




**2016/2017**  
**Power Tools**  
**+ Accessories**









**metabo<sup>®</sup>**







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**PROFESSIONAL POWER TOOL SOLUTIONS**



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# SIMPLY KNOWING THAT EVERYTHING RUNS WELL: FOUR GOOD ARGUMENTS FOR METABO.

With Metabo you always make a good decision. Since productivity is the sum of safety, robustness and service, it plays a central role for us - just as it does for you, your employees and the efficiency of your company. In a nutshell: With Metabo you are always on the safe side.



## Ultimate productivity

We know that power tools are expected to deliver high productivity. Therefore, the aim of highest productivity applies to all system solutions from Metabo - we want that you save time and money when using our products.



## Comprehensive Service

From application analysis to individual product and system solutions, fast spare parts and repair service: Your workflow is our commitment.



## Maximum safety

The less time lost due to work related illness, the higher your productivity. Our products offer utmost safety and protection for the user - with this we are continuously setting new standards on the market.



## Durable Robustness

Metabo's machines and accessories provide the best quality, maximum reliability and unparalleled service life. This permits uncompromising high performance even under harshest conditions and lowers the need for replacement purchases.

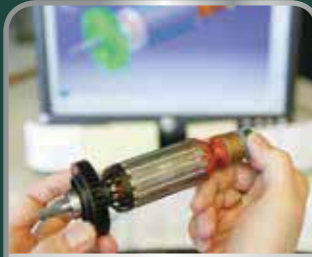


# MADE IN GERMANY: INNOVATION IS OUR TRADITION.

In every Metabo tool there is traditional German engineering ingenuity. Since 1924 we have been developing innovative ideas in our Nürtingen plant and have been implementing them into pioneering tools and perfect accessories for professional users directly on site. Our service, tailor-made to your requirements, also makes us a strong partner for the industrial sector.



Aluminium foundry



Engineering



Plastic injection moulding



Mould construction



Mechanical production



Assembly



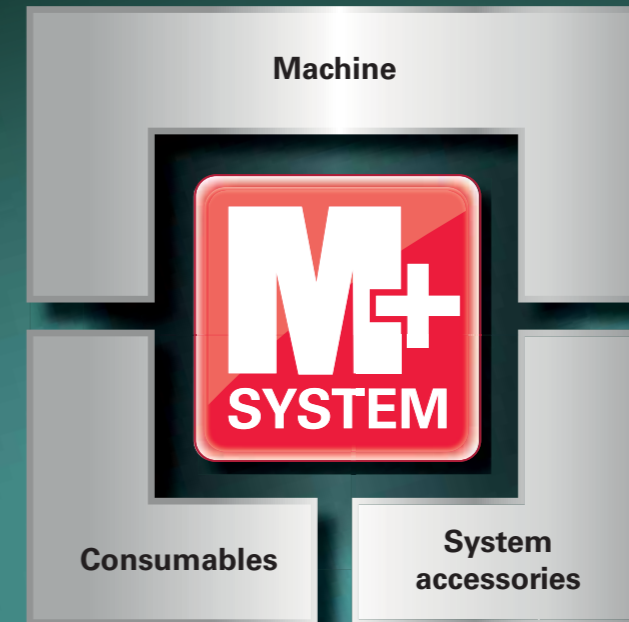
Steel parts with  
hardening plant



Motor production

# THE PRODUCTIVITY TURBO: OUR CONSUMABLES AND SYSTEM ACCESSORIES.

As a system provider we support the performance power of our tools with an optimally coordinated range of system accessories and consumables. Only this way will you achieve the productivity, long service life and reliability that you rightly expect from a Metabo machine.



## Everything that keeps your machine going.

We also offer a complete range of consumables, such as cutting and roughing discs, saw blades, drill bits, chucks and many more in usual reliable Metabo quality.



## Everything that makes your machine even more efficient.

Our system accessories apart from extraction systems, include adapters and torque attachments, and also helpful extra accessories such as the Metabo Vibra-Tech (MVT) handles for example, which provide extremely low vibration values and maximum user protection.

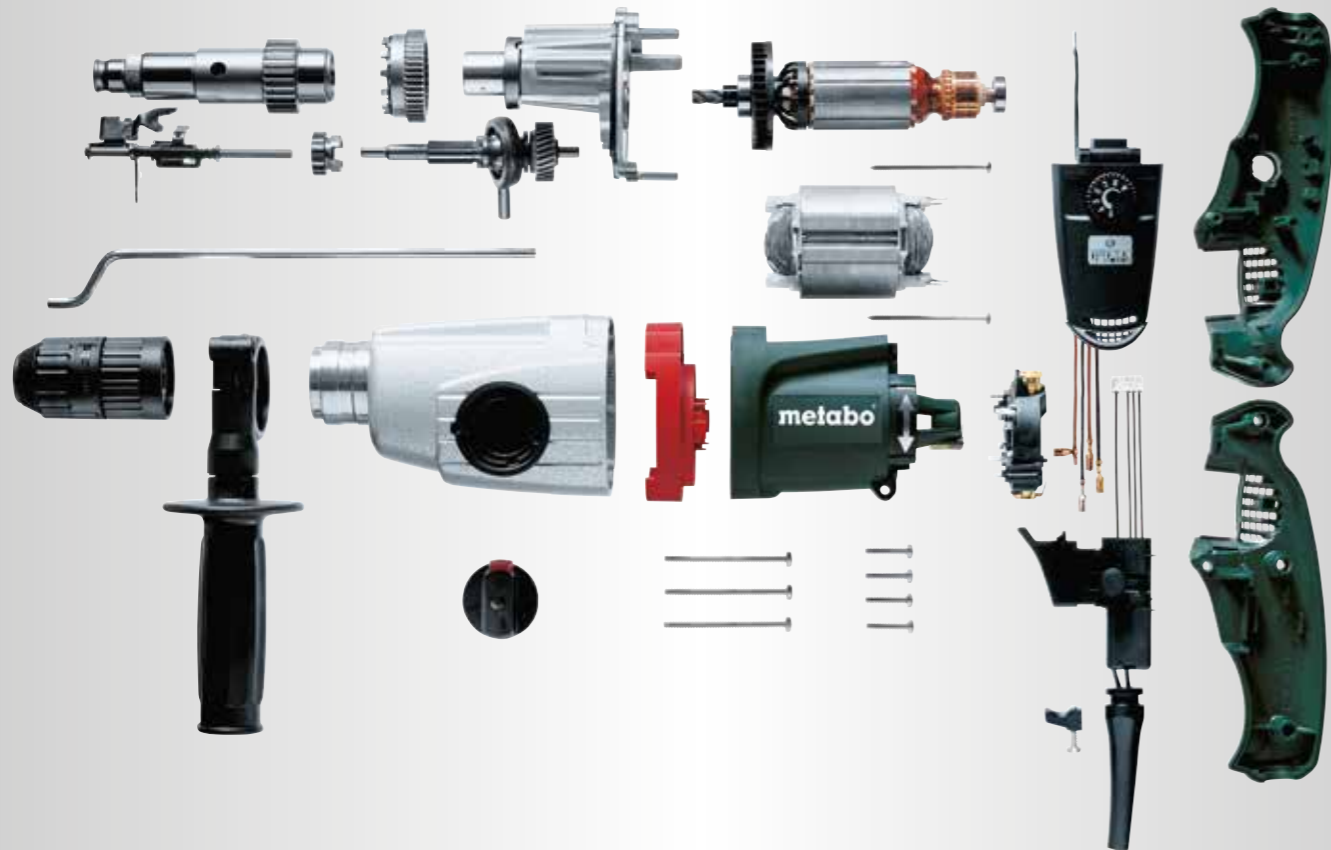
## Your benefits

With Metabo consumables and system accessories you can:

- optimally use the performance and efficiency of the Metabo machines.
- bank on highest quality, durability and reliability.
- be sure that it has proven itself extremely well in the toughest situations.

# FAST, PROFESSIONAL, ECONOMICAL – METABO'S REPAIR SERVICE.

Metabo tools and accessories stand for highest quality and reliability. However, should damage occur, the Metabo service will take care to provide a fast solution: Minor downtimes with the fast and powerful Metabo repair service. Thanks to our sophisticated repair logistics, we endeavour to ensure that a machine will be repaired and leave our repair service within max. 24 hours. This means that you will be able to continue with your work as soon as possible.



## 3 year XXL warranty

If the worst should come to the worst, Metabo customers are on the safe side thanks to the XXL warranty. Simply register your new Metabo online within 4 weeks from the purchase date and get your warranty extended to 3 years.

## 8 year guarantee on spare parts

We also provide safety when it comes to the supply of spare parts: If a Metabo machine is replaced or phased out, we ensure availability of spare parts for 8 more years after production phase out.

## Online service portal [www.metabo-service.com](http://www.metabo-service.com)

At any time, Metabo customers can use our Metabo online service on the Internet at [www.metabo.com](http://www.metabo.com), where they can find all important product information, such as spare parts lists or user manuals.

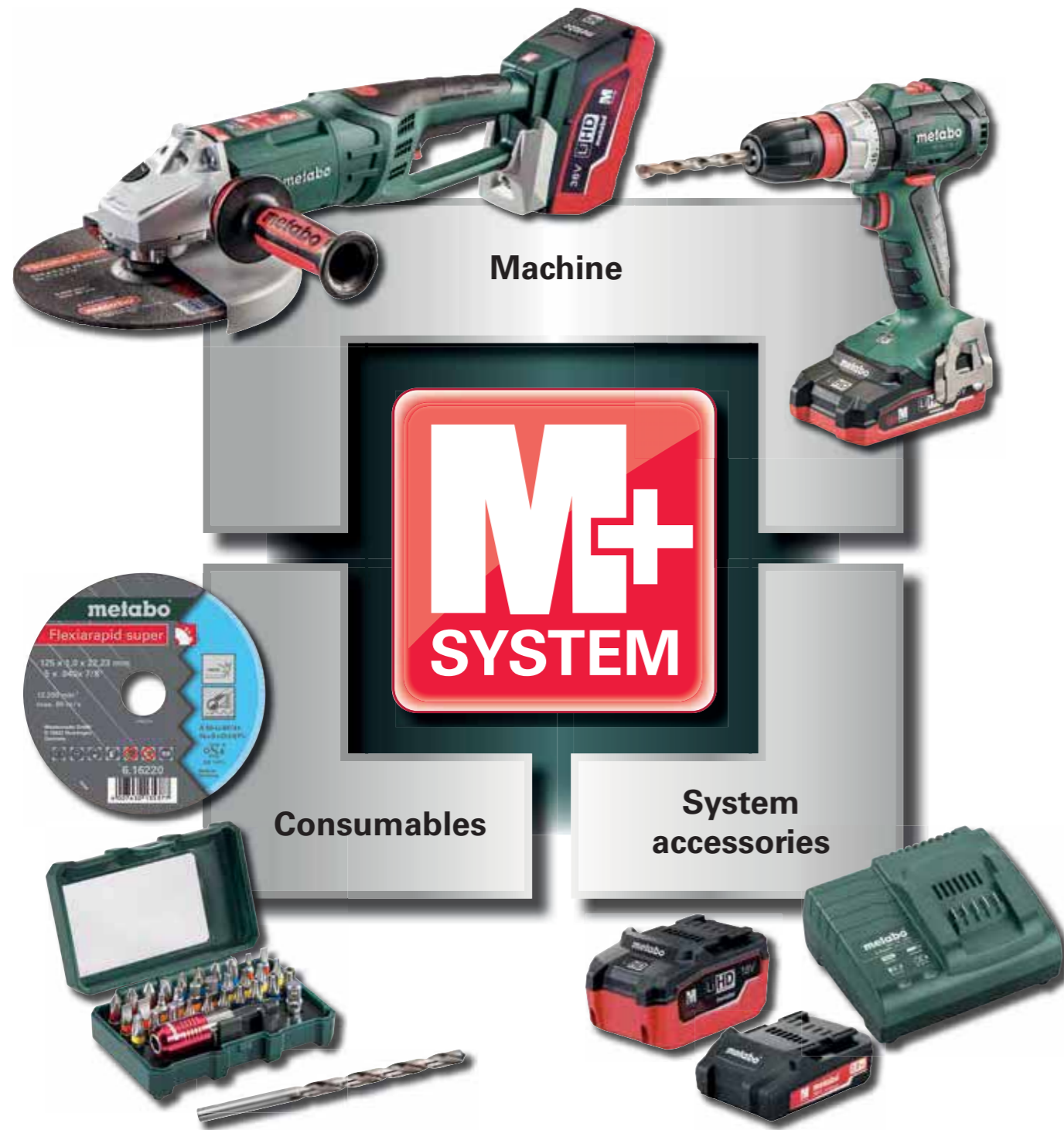
## Competent product and application advice

If Metabo customers have particular queries about products or applications, our competent and experienced staff in Metabo Service are at their disposal to provide personal support for our customers individual requirements.



# M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR MAXIMUM PERFORMANCE.

Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum performance for screwdriving, drilling, grinding, cutting and sawing thanks to Metabo + System effect.



Machine



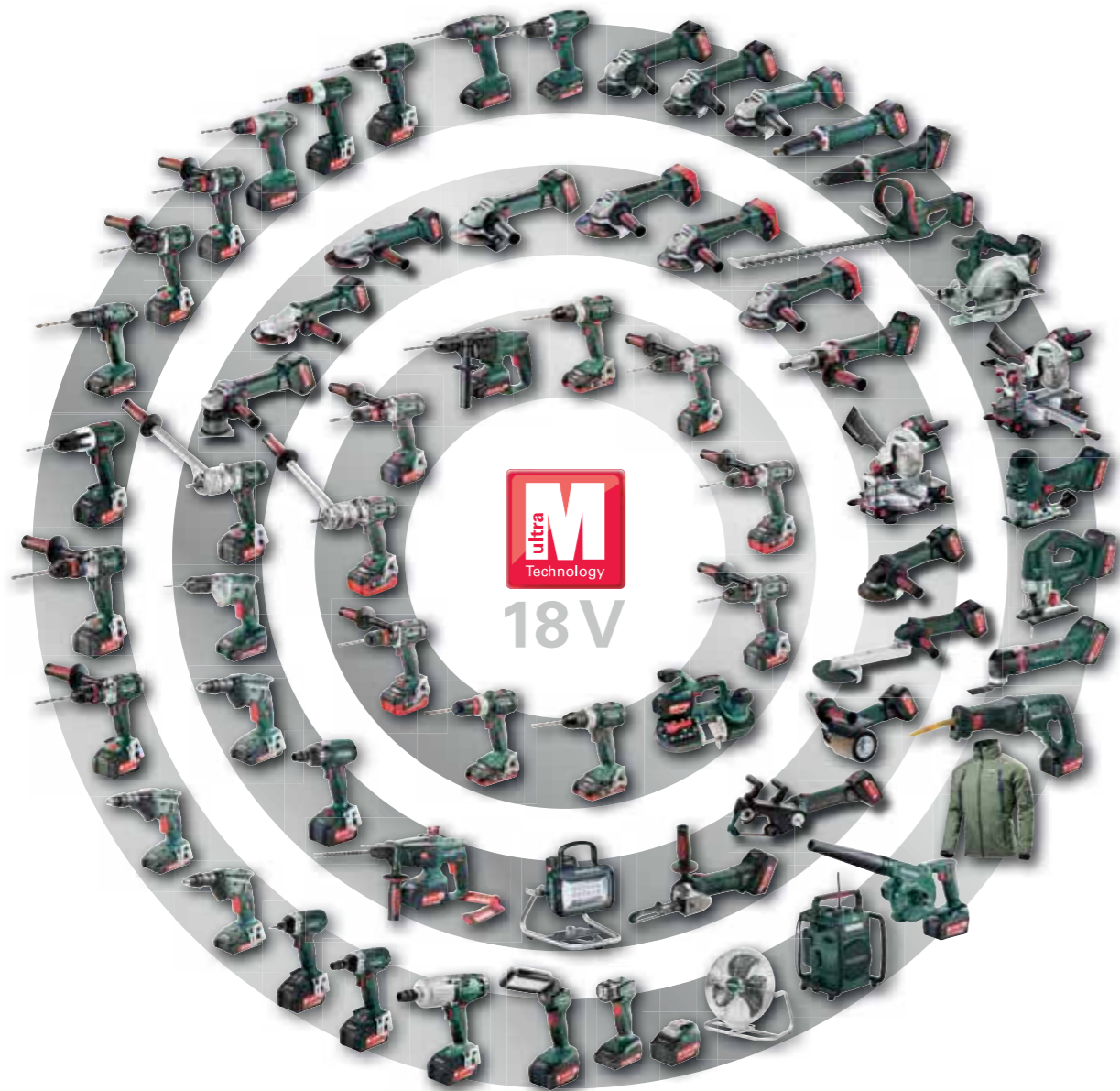
Consumables

System accessories



## Cordless Tools

100% COMPATIBLE. NATURALLY.



## INCREASED PERFORMANCE THANKS TO PERFECT INTERFACES: THE METABO ULTRA-M TECHNOLOGY

The Metabo Ultra-M Technology stands for perfect communication at the interface of machine, battery pack and charger. Your benefits: efficient and gentle charging, optimum energy utilisation and extremely long service life.

- Intelligent battery management - for maximum performance and service life
- Permanent Electronic Single Cell Protection (ESCP) when charging, for extremely long service life.
- Patented »AIR COOLED« charging technology for faster charging and longer service life
- Investment in a sustainable battery pack system

### LiHD: REVOLUTIONARY NEW BATTERY PACK TECHNOLOGY FOR EXTREME PERFORMANCE.



A milestone in battery pack technology.

The combination of **innovative, high-performance battery cells** and **completely newly developed components** within the battery pack ensures maximum power availability over an extremely long run time: Metabo has perfected this revolutionary battery pack technology to its pinnacle.

- **67% more power** – permits completely new applications with battery powered machines
- **87% longer run time** – for even more endurance
- **100% longer service life** – makes your investment even safer
- **Makes applications possible under most demanding conditions**, which had previously only been possible using powerful mains-powered machines
- **New definition of independence:** a milestone along the path towards a cordless construction site



LiHD 6.2 Ah  
LiHD 5.5 Ah  
Compact Battery Pack  
LiHD 3.1 Ah



#### Unlimited flexibility.

Select only what you need and save money!



#### 100% compatibility

with all Metabo cordless machines, yesterday, today and in the future. In the respective volt class.



#### 3 year battery pack warranty

3 years on all Li-Ion and LiHD battery packs.

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# THE RIGHT CORDLESS TOOL FOR EVERY APPLICATION.

Metabo offers you a product range of cordless drill/drivers and cordless impact drills that are ideally adapted to every application, from the smallest to the largest drill diameter or from the smallest to the largest screw, and no matter for which material: At Metabo you will always find the optimum tool for your application.

## Which cordless drill/screwdriver/impact drill for which drilling application?





Cordless Drill/ Screwdriver and Cordless Impact Drill	Power Maxx BS Power Maxx BS Quick Power Maxx SB	BS 18 Li BS 18 BS 18 Quick SB 18	BS 18 LT BS 18 LT Quick SB 18 LT BS 18 LT BL BS 18 LT BL Q SB 18 LT BL	BS 18 LTX Quick SB 18 LTX Quick BS 18 LTX Impuls SB 18 LTX Impuls	BS 18 LTX BL Q I SB 18 LTX BL Q I BS 18 LTX BL I SB 18 LTX BL I	SBE 18 LTX
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Wood-Ø in mm						
<b>Twist drill</b>						
to Ø 10						
Ø 10						
Ø 20						
Ø 30						
<b>Auger Bits</b>						
to Ø 10						
Ø 10						
Ø 20						
Ø 30						
Ø 40						
Ø 50						
<b>Fostner drill bit/multi-spur machine bit</b>						
to Ø 10						
Ø 10						
Ø 20						
Ø 30						
Ø 40						
Ø 50						
Ø 68						
Ø 80						
Ø 90						
Ø 105						
Ø 130						
<b>Hole saws</b>						
to Ø 10						
Ø 10						
Ø 20						
Ø 30						
Ø 40						
Ø 50						
Ø 68						
Ø 80						
Ø 90						
Ø 105						
Ø 130						
Ø 140						
Ø 210						
<b>Metal-Ø in mm</b>						
Ø 5						
Ø 10						
Ø 13						
<b>Concrete / masonry*-Ø in mm</b>						
Ø 5						
Ø 10						
Ø 13						
Ø 16						
Ø 20						

\* only with cordless impact drills (SB)

## Which cordless drill/screwdriver/cordless impact drill for which screwdriving application?



Cordless Drill/ Screwdriver and Cordless Impact Drill	Power Maxx BS Power Maxx BS Quick Power Maxx SB	BS 18 Li BS 18 BS 18 Quick SB 18	BS 18 LT BS 18 LT Quick SB 18 LT BS 18 LT BL BS 18 LT BL Q SB 18 LT BL	BS 18 LTX Quick SB 18 LTX Quick BS 18 LTX Impuls SB 18 LTX Impuls	BS 18 LTX BL Q I SB 18 LTX BL Q I BS 18 LTX BL I SB 18 LTX BL I
<b>Full-threaded screws</b>					
mm	Length in mm			+ PowerX3	+ PowerX3
Ø 3	to 35				
Ø 3.5	to 40				
Ø 4.5	to 60				
	60				
	60				
Ø 5	80				
	100				
	100				
	120				
	140				
	160				
Ø 6	180				
	200				
	240				
	280				
	300				
	100				
	120				
	140				
	180				
	200				
	220				
	240				
Ø 8	260				
	280				
	300				
	350				
	400				
	450				
	500				
	550				
	600				
	140				
	180				
	200				
	220				
	240				
	260				
Ø 10	280				
	300				
	350				
	400				
	450				
	500				
	550				
	600				
	200				
	220				
	240				
	260				
	280				
Ø 12	300				
	350				
	400				
	450				
	500				
	550				
	600				
	400				
	500				
Ø 13	600				
	700				
	800				
	1000				

■ optimum application  
 ■ possible application  
 Intermediate sizes of drill bits or screws are not listed.

# THE METABO QUICK SYSTEM: VERSATILE AND CONVENIENT

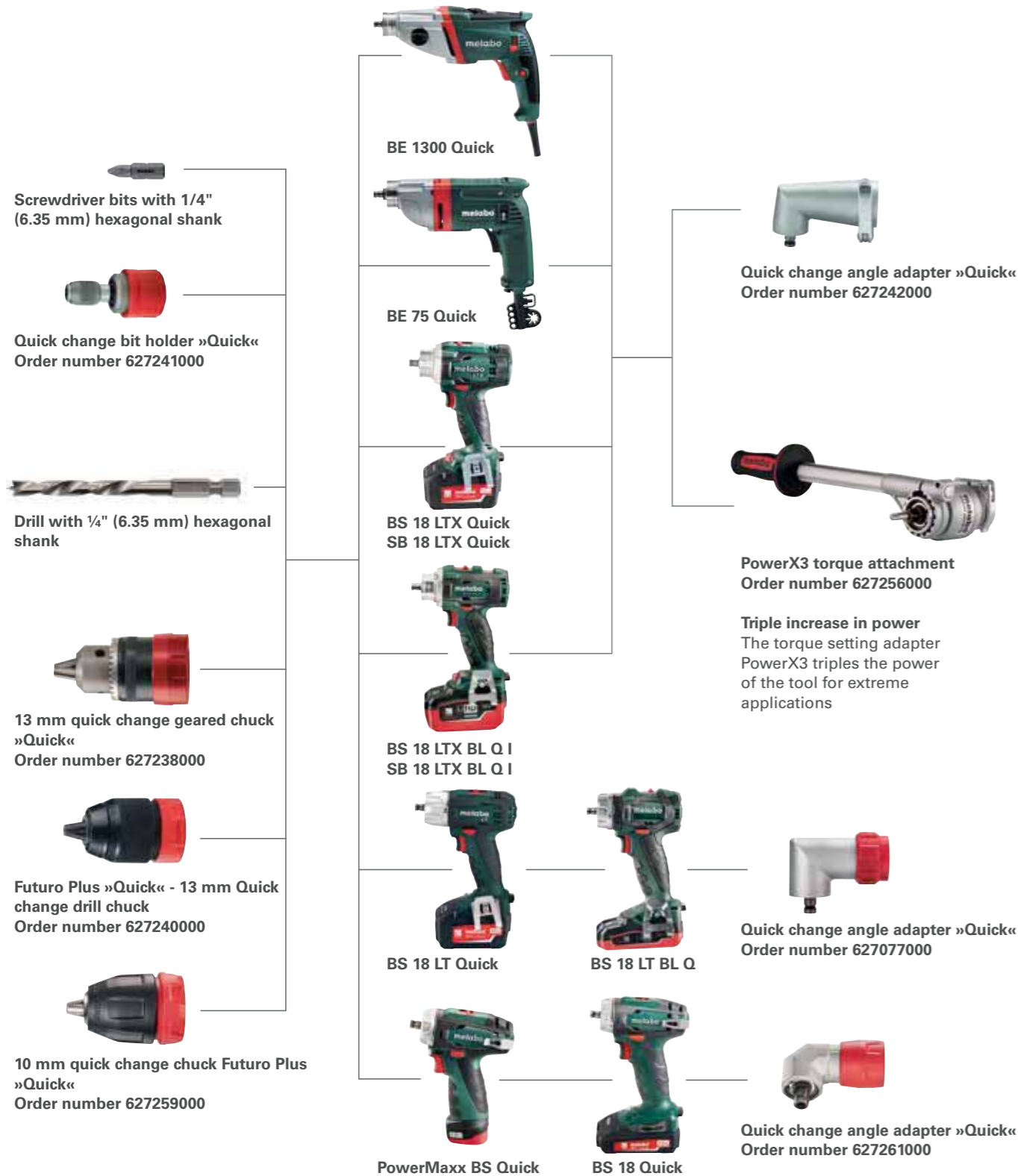


### Quick and efficient working

By being able to switch between different applications using a quick change style chuck, angle attachment or bit retainer.

### Increase in efficiency with competence accessories

Thanks to the magnetised female hexagon socket, Hex bits or drill bits can be inserted directly into the machine spindle. This assists drilling and screwdriving use in confined spaces and direct torque transmission.



# 10.8 V



### Technical data

	Cordless Drill / Screwdriver PowerMaxx BS	Cordless Drill / Screwdriver PowerMaxx BS Quick
Type of battery pack	Li-Ion	Li-Ion
Battery pack voltage	10.8 V	10.8 V
Maximum torque - soft	17 Nm	17 Nm
Maximum torque, hard	34 Nm	34 Nm
Adjustable torque	0.5 - 5 Nm	0.5 - 5 Nm
Drill diameter in		
- Steel	10 mm	10 mm
- Wood	18 mm	18 mm
No-load speed	0 - 360 / 0 - 1,400 /min	0 - 360 / 0 - 1,400 /min
Chuck capacity	1 - 10 mm	1 - 10 mm
Weight (including battery pack)	0.8 kg	0.8 kg

### Scope of delivery

Order number	600079	600080	600156	600157
Keyless chuck	■	■		
Quick-change chuck			■	■
Quick-change angle adapter				■
Belt hook	■	■	■	■
Li-Power battery pack (10.8 V/2.0 Ah)	■			■
2 Li-Power battery packs (10.8 V/2.0 Ah)		■	■	
Li-Power battery pack (10.8 V/4.0Ah)				■
Charger LC 40	■	■	■	■
Tool bag	■			
Plastic carry case		■	■	■

Equipment variants can be found in the Metabo price list and on the internet

### Product advantages

- Light compact drill/screwdriver with extremely compact design for versatile use
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Integrated working light to illuminate the contact area
- Handy belt hook can be fixed either on the right or left side without tools
- Practical capacity display for checking the charge status
- With quick change angle adapter for drilling and fixing screws in hard to reach places
- Metabo »Quick« System: quick change of tool holder and bits for flexible working

### System components

Accessories → 68, 234

Battery packs → 64

Quick-System → 18

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NEW



10.8 V

Technical data	Cordless Impact Drill PowerMaxx SB
Type of battery pack	Li-Ion
Battery pack voltage	10.8 V
Maximum torque - soft	17 Nm
Maximum torque, hard	34 Nm
Adjustable torque	0.5 - 5 Nm
Drill diameter in	
- Masonry	10 mm
- Steel	10 mm
- Wood	18 mm
No-load speed	0 - 360 / 0 - 1,400 /min
Maximum impact rate	21,000 /min
Chuck capacity	1.5 - 10 mm
Weight (including battery pack)	1.12 kg

**Scope of delivery**

Order number	600385
Keyless chuck	■
Belt hook	■
2 Li-Power battery packs (10.8 V/2.0 Ah)	■
Charger LC 40	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- Light, compact cordless impact drill with extremely compact design for versatile use
- Impact drill function for drilling in masonry
- Integrated working light to illuminate the contact area
- Practical capacity display for checking the charge status
- Handy belt hook can be fixed either on the right or left side

**System components**

Accessories → 234 | Battery packs → 64

Technical data	Cordless Impact Driver PowerMaxx SSD
Type of battery pack	Li-Ion
Battery pack voltage	10.8 V
Max. no-load speed	0 - 2,300 /min
Maximum impact rate	3,000 /min
Maximum torque	105 Nm
Speed/torque levels	1
Bit retainer	Hexagon recess 1/4" (6.35 mm)
Weight (including battery pack)	1 kg

**Scope of delivery**

Order number	600093
2 Li-Power battery packs (10.8 V/2.0 Ah)	■
Charger LC 40	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- Compact cordless impact wrench for tough applications
- High torque machine with low kick-back torque
- Integrated work light for illumination of the work area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability

**System components**

Accessories → 293 | Battery packs → 64

10.8 V



Technical data	Cordless Sabre Saw PowerMaxx ASE
Type of battery pack	Li-Ion
Battery pack voltage	10.8 V
Strokes – no load	0 - 3,100 /min
Saw blade stroke	13 mm
Weight (including battery pack)	1.2 kg

**Scope of delivery**

Order number	602264
Jigsaw blade for metal	■
Sabre saw blade for wood and metal	■
2 Li-Power battery packs (10.8 V/2.0 Ah)	■
Charger LC 40	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- Light, extremely handy saw for one or two handed operation
- Especially suitable for working in difficult to reach places
- Vario (V)-Electronics for working with customised stroke rates for the materials used
- Metabo Quick for changing saw blades without tools
- Extended range of application thanks to unique Quick retainer for sabre saw blades and jigsaw blades
- Depth guide can be adjusted without tools for ideal utilisation of the saw blade and diverse applications such as plunge cuts
- Integrated LED work light for optimum illumination of the cutting line
- Practical capacity display for checking the charge status
- Wide range of uses thanks to the adapted Metabo saw blade range

**System components**

Accessories → 357, 371 | Battery packs → 64



Technical data	Cordless Caulking Gun KPA 10.8
Type of battery pack	Li-Ion
Battery pack voltage	10.8 V
Discharge Pressure	4,413 N/450 kg
Feed rate in idle	2 - 10 mm/s
Suitable for	Cartridges, foil bags
Weight (including battery pack)	2.7 kg

**Scope of delivery**

Order number	602117610	602117600
600 ml tube		■
400 ml tube	■	
Push plate for foil bag	■	■
Push plate for cartridges	■	■
Li-Power battery pack (10.8 V/4.0Ah)	■	■
Charger LC 40		■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- For using cartridges and foil bags
- High discharge force for easy processing of all materials - even particularly viscous ones
- Infinitely variable setting of the discharge speed for precision working
- No dripping thanks to automatic retraction of the gear rack
- Quick, easy change between foil bags and cartridges
- All-metal gear for long service life

**System components**

Accessories → 71 | Battery packs → 64

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# 10.8 V



NEW



**Cordless Torch PowerMaxx TLA LED**



NEW



**Cordless Torch PowerMaxx TLFA LED-USB**

Technical data	Cordless Torch PowerMaxx TLA LED	Cordless Torch PowerMaxx TLFA LED-USB
Max. operation time per battery charge	10.8 V / 2.0 Ah: 7.2 h 10.8 V / 4.0 Ah: 14.4 h 10.8 V / 5.2 Ah: 18.7 h	10.8 V / 2.0 Ah: 4.3 h 10.8 V / 4.0 Ah: 8.6 h 10.8 V / 5.2 Ah: 11.2 h
Weight (without battery pack)	0.12 kg	0.2 kg

Scope of delivery	606213 available from autumn 2016	606214 available from autumn 2016
Order number	606213	606214
without battery pack, without charger	■	■

- Product advantages**
- Powerful LED torch for uniform, bright illumination of the working area
  - Compact and handy for versatile use
  - Suitable for Li-Power 10.8 Volt battery packs
  - Very bright and pleasant light, inspired by daylight
  - Two brightness levels with additional SOS flash function
  - Focusable light beam for exact lighting
  - Fast USB connections for charging and operating of USB devices
  - Practical capacity display for checking the charge status
  - Housing with 1/4" tripod thread
  - Suitable for Li-Power 10.8 Volt battery packs



**Cordless Portable Lamp PowerMaxx ULA LED**



**Cordless Inspection Lamp PowerMaxx SLA LED**

Technical data	Cordless Portable Lamp PowerMaxx ULA LED	Cordless Inspection Lamp PowerMaxx SLA LED
Max. operation time per battery charge	10.8 V / 2.0 Ah: 9.5 h 10.8 V / 4.0 Ah: 19 h 10.8 V / 5.2 Ah: 24.7 h	10.8 V / 2.0 Ah: 3.8 h 10.8 V / 4.0 Ah: 7.6 h 10.8 V / 5.2 Ah: 9.9 h
Weight (without battery pack)	0.32 kg	0.42 kg

Scope of delivery	600367	600369
Order number	600367	600369
without battery pack, without charger	■	■

- Product advantages**
- Powerful LED portable lamp for uniform, bright illumination of the working area
  - Lamp head can be tilted and locked in 12 positions
  - Compact and handy for versatile use
  - Robust aluminium die-cast housing for use on construction sites
  - Swivelling hook for suspending the lamp
  - Suitable for Li-Power 10.8 Volt battery packs
  - Powerful LED inspection lamp for uniform, bright illumination of the working area
  - Lamp head can be turned and swivelled by 180° for almost infinite positions of the lamp

**System components**

Battery packs → 64

# 10.8 V



NEW



**Cordless Power Adapter PowerMaxx PA**

Scope of delivery	606212 available from autumn 2016
Order number	606212
without battery pack, without charger	■

- Product advantages**
- Compact, multi-function adapter, can be used as charger and energy source
  - Fast USB connections for charging and operating of USB devices (max. charging current 2 A)
  - 12 Volt connection for the Metabo heated jacket
  - Practical capacity display for checking the charge status
  - Suitable for all Li-Power 10.8 Volt battery packs

**System components**

Battery packs → 64



**Cordless Worksite Radio PowerMaxx RC**

Technical data	602113
Max. runtime per battery charge	10.8 V / 2.0 Ah: 10.6 h 10.8 V / 4.0 Ah: 21.2 h 10.8 V / 5.2 Ah: 27.6 h
Weight (without battery pack)	2.2 kg

Scope of delivery	602113
Order number	602113
AUX connection cable	■
Mains cable	■
2 Batteries (AAA) for time and station memory	■
without battery pack	■

- Product advantages**
- Operation with all Metabo Li-Power 10.8 V battery packs or mains operation
  - Charger function for charging all Li-Power 10.8 V battery packs
  - Battery operation up to 27.6 hours
  - Robust plastic housing: splashproof, dustproof, shockproof
  - Safety frame
  - Digital DSP tuner with illuminated LCD display and automatic station search
  - Capacity for 20 programmes (10 for FM stations, 10 for AM stations)
  - Digital clock
  - Flexible antenna
  - Powerful loudspeakers
  - AUX input for CD or MP3 player (e.g. iPod®, etc.)
  - Safe storage of MP3 players

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# LTX CORDLESS DRILLS/SCREWDRIVERS AND IMPACT SCREWDRIVERS: THE NEW REFERENCE IN THE PREMIUM CLASS

With our compact and lightweight LTX drill/screwdrivers and impact drills, we offer you solutions for demanding drilling and screwdriving jobs independent from mains power. The extremely powerful LTX machines impress with highest torques even for hardest screwdriving applications. Various intelligent functions such as the selectable impulse function for precise spot-drilling support you in your work. Our brushless LTX models are available for maximum efficiency and speed across the entire application range.



**Metabo Quick System** for versatile use

**Three-level all metal gear** extends the service life of the machine by an enormous degree.

**Die-cast aluminium gear housing** increases the service life of the machine. The machine is more robust and dissipates heat faster which in turn reduces potential harm to the machine.



**Metabo »Impuls«** for the simple removal of tight-fitting or damaged screws and pilot drilling of materials such as ceramics.



**BRUSHLESS MOTOR**

**Metabo motor competence**  
Innovative, powerful Metabo brushless motor for quick work progress and highest efficiency.

**High-performance impact mechanism** for best working results

SB 18 LTX BL Q I



**Intelligent brushless motors thanks to Ultra-M technology**  
Optimum energy utilisation by virtue of Metabo Ultra-M technology



**Precision Stop: Torque clutch for more precision**  
The torque setting 1-4 ensures that the power as well as the speed is automatically adapted, permitting precise working particularly for small screws with Ø 3 to 8 mm.



**Maximum performance for highest requirements**  
Enduring and powerful machines for even the most demanding screwdriving and drilling applications.

14.4 V  
18 V



Technical data	Cordless Drill / Screwdriver BS 14.4	Cordless Drill / Screwdriver BS 18	Cordless Drill / Screwdriver BS 18 Quick	Cordless Drill / Screwdriver BS 18 Li
Type of battery pack	Li-Ion	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	14.4 V	18 V	18 V	18 V
Maximum torque - soft	20 Nm	24 Nm	24 Nm	24 Nm
Maximum torque, hard	40 Nm	48 Nm	48 Nm	48 Nm
Adjustable torque	0.5 - 4.5 Nm	0.5 - 4.5 Nm	0.5 - 4.5 Nm	0.8 - 5 Nm
Drill diameter in				
- Steel	10 mm	10 mm	10 mm	10 mm
- Wood	20 mm	20 mm	20 mm	20 mm
No-load speed	0 - 400 / 0 - 1,500 /min	0 - 450 / 0 - 1,600 /min	0 - 450 / 0 - 1,600 /min	0 - 450 / 0 - 1,650 /min
Chuck capacity	1 - 10 mm	1.5 - 13 mm	1 - 10 mm	1.5 - 13 mm
Weight (including battery pack)	1.2 kg	1.3 kg	1.3 kg	1.5 kg

**Scope of delivery**

Order number	602206	602207 <sup>1)</sup>	602217 <sup>1)</sup>	602116
Keyless chuck	■	■		■
Quick-change chuck			■	
Belt hook	■	■	■	
2 Li-Power battery packs (14.4 V/2.0 Ah)	■			
2 Li-Power battery packs (18 V/2.0 Ah)		■	■	■
Charger SC 60 Plus	■	■	■	■
Plastic carry case	■	■	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Metabo »Quick« System: quick change of tool holder and bits for flexible working
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Light compact drill/screwdriver with extremely compact design for versatile use
- Handy belt hook can be fixed either on the right or left side without tools
- Integrated working light to illuminate the contact area
- Battery packs with capacity display for checking the charge status

**System components**

- Accessories → 68, 234
- Battery packs → 64
- Quick-System → 18

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18 V



Technical data	Cordless Drill / Screwdriver BS 18 LT	Cordless Drill / Screwdriver BS 18 LT Quick	Cordless Drill / Screwdriver BS 18 LT BL	Cordless Drill / Screwdriver BS 18 LT BL Q
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V	18 V
Maximum torque - soft	34 Nm	34 Nm	34 Nm	34 Nm
Maximum torque, hard	60 Nm	60 Nm	60 Nm	60 Nm
Adjustable torque	0.7 - 8 Nm	0.7 - 8 Nm	0.7 - 8 Nm	0.7 - 8 Nm
Drill diameter in				
- Steel	13 mm	13 mm	13 mm	13 mm
- Wood	38 mm	38 mm	38 mm	38 mm
No-load speed	0 - 450 / 0 - 1,600 /min	0 - 450 / 0 - 1,600 /min	0 - 600 / 0 - 2,100 /min	0 - 600 / 0 - 2,100 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Weight (including battery pack)	1.8 kg	1.9 kg	1.6 kg	1.6 kg

Scope of delivery

Order number	602102 <sup>1)</sup>	602104	602325 <sup>1)</sup>	602334
Keyless chuck	■		■	
Quick-change chuck		■		■
Quick-change bit holder		■		■
Belt hook and bit case	■	■	■	■
2 Li-Power battery packs (18 V/4.0 Ah)	■	■		
2 LiHD battery packs (18 V/3.1 Ah)			■	■
Charger ASC 30-36 V »AIR COOLED«	■	■	■	■
Plastic carry case	■	■	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Metabo »Quick« System: quick change of tool holder and bits for flexible working
- Metabo »Quick« System: quick change of tool holder and bits for flexible working

- Powerful Metabo 4-pole motor for quick drilling and screwdriving
- Brushless drill/screwdriver with compact design for universal and demanding applications
- Unique Metabo brushless motor for quick work progress and highest efficiency when drilling and screwdriving
- Overload protection: protects the motor from overheating
- Integrated working light to illuminate the contact area
- Handy belt hook and bit holder can be fixed either on the right or left side
- Battery packs with capacity display for checking the charge status

System components

- Accessories → 68, 234
- Battery packs → 64
- Quick-System → 18

18 V



Technical data	Cordless Drill / Screwdriver BS 18 LTX Impuls	Cordless Drill / Screwdriver BS 18 LTX Quick
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Maximum torque - soft	55 Nm	55 Nm
Pulse Torque	60 Nm	60 Nm
Maximum torque, hard	110 Nm	110 Nm
Adjustable torque	1.5 - 24 Nm	1.5 - 24 Nm
Drill diameter in		
- Steel	13 mm	13 mm
- Wood	65 mm	65 mm
No-load speed	0 - 500 / 0 - 1,700 /min	0 - 500 / 0 - 1,700 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Weight (including battery pack)	2.3 kg	2.3 kg

Scope of delivery

Order number	602191 <sup>1)</sup>	602193
Futuro Plus keyless chuck with metal sleeve	■	
Quick-change chuck		■
Quick-change bit holder		■
Side handle	■	■
Belt hook and bit case	■	■
2 Li-Power battery packs (18 V/4.0 Ah)	■	
2 Li-Power battery packs (18 V/5.2 Ah)		■
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Metabo »Quick« System: quick change of tool holder and bits for flexible working

- Selectable »impulse« mode for removal of stubborn screws and for spot-drilling on smooth surfaces
- Powerful Metabo 4-pole motor for quick drilling and screwdriving
- Overload protection: protects the motor from overheating
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the contact area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Handy belt hook and bit holder can be fixed either on the right or left side
- Battery packs with capacity display for checking the charge status

System components

- Accessories → 68, 234
- Battery packs → 64
- Quick-System → 18

18 V



Technical data	Cordless Drill / Screwdriver BS 18 LTX BL I	Cordless Drill / Screwdriver BS 18 LTX BL Q I	Cordless Drill / Screwdriver BS 18 LTX BL Q I with PowerX3
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V
Maximum torque - soft	60 Nm	60 Nm	60 Nm
Pulse Torque	63 Nm	63 Nm	63 Nm
Maximum torque, hard	120 Nm	120 Nm	120 Nm
Adjustable torque	0.8 - 20 Nm	0.8 - 20 Nm	0.8 - 20 Nm
Drill diameter in			
- Steel	13 mm	13 mm	13 mm
- Wood	65 mm	65 mm	65 mm
No-load speed	0 - 600 / 0 - 2,050 /min	0 - 600 / 0 - 2,050 /min	0 - 600 / 0 - 2,050 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Weight (including battery pack)	2.3 kg	2.5 kg	2.5 kg

Scope of delivery

Order number	602350 <sup>1)</sup>	602351	602351770
PowerX 3 torque setting adapter with long handle			■
Futuro Plus keyless chuck with metal sleeve	■		
Quick-change chuck		■	■
Quick-change bit holder		■	■
Side handle	■	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■		
2 LiHD battery packs (18 V/5.5 Ah)		■	■
Charger ASC 30-36 V »AIR COOLED«	■	■	■
Plastic carry case	■	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- The torque setting adapter PowerX3 triples the power of the tool for extreme applications
- Metabo »Quick« System: quick change of tool holder and bits for flexible working
- Brushless drill/screwdriver with maximum power for demanding applications
- Unique Metabo brushless motor for quick work progress and highest efficiency when drilling and screwdriving
- Selectable »impulse« mode for removal of stubborn screws and for spot-drilling on smooth surfaces
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the contact area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Handy belt hook and bit holder can be fixed either on the right or left side
- Battery packs with capacity display for checking the charge status

System components

Accessories → 68, 234 | Battery packs → 64 | Quick-System → 18

18 V



Technical data	Cordless Drill BE 18 LTX 6
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Maximum torque	4 Nm
Drill diameter in	
- Steel	6 mm
- Wood	12 mm
No-load speed	0 - 4,000 /min
Chuck capacity	1 - 10 mm
Weight (including battery pack)	1.2 kg

Scope of delivery

Order number	600261
Futuro Plus keyless chuck with metal sleeve	■
Open-jawed spanner	■
MetaLoc case	■
without battery pack, without charger	■

Product advantages

- Fast and handy cordless drill with high precision for drilling into metal
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the contact area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Overload protection: protects the motor from overheating
- Battery packs with capacity display for checking the charge status

System components

Accessories → 234 | Battery packs → 64

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18 V



NEW



NEW



Technical data	Cordless Impact Drill SB 18	Cordless Impact Drill SB 18 LT	Cordless Impact Drill SB 18 LT BL
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V
Maximum torque - soft	24 Nm	34 Nm	34 Nm
Maximum torque, hard	48 Nm	60 Nm	60 Nm
Adjustable torque	0.5 - 4.5 Nm	0.7 - 8 Nm	0.7 - 8 Nm
Drill diameter in			
- Masonry	10 mm	13 mm	13 mm
- Steel	10 mm	13 mm	13 mm
- Wood	20 mm	38 mm	38 mm
No-load speed	0 - 450 / 0 - 1,600 /min	0 - 450 / 0 - 1,600 /min	0 - 600 / 0 - 2,100 /min
Maximum impact rate	24,000 /min	27,200 /min	31,950 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Weight (including battery pack)	1.4 kg	1.9 kg	1.6 kg

Scope of delivery

Order number	602245 <sup>1)</sup>	602103 <sup>1)</sup>	602316 <sup>1)</sup>
Keyless chuck	■	■	■
Belt hook and bit case	■	■	■
2 Li-Power battery packs (18 V/2.0 Ah)	■		
2 Li-Power battery packs (18 V/4.0 Ah)		■	
2 LiHD battery packs (18 V/3.1 Ah)			■
Charger ASC 30-36 V »AIR COOLED«		■	■
Charger SC 60 Plus	■		
Plastic carry case	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Light, compact impact drill with extremely compact design for versatile use
- Impact drill function for drilling in masonry
- Powerful thanks to the powerful Metabo 4-pole motor for quick drilling and screwdriving
- High-performance impact mechanism for optimum drilling performance
- Brushless impact drill with compact design for universal and demanding applications
- Unique Metabo brushless motor for quick work progress and highest efficiency when drilling and screwdriving
- High-performance impact mechanism for optimum drilling performance
- Overload protection: protects the motor from overheating
- Integrated working light to illuminate the contact area
- Handy belt hook and bit case can be fixed either on the right or left side
- Battery packs with capacity display for checking the charge status

System components

- Accessories → 234
- Battery packs → 64
- Quick-System → 18

18 V



Technical data	Cordless Impact Drill SB 18 LTX Impulse	Cordless Impact Drill SB 18 LTX Quick
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Maximum torque - soft	55 Nm	55 Nm
Pulse Torque	60 Nm	60 Nm
Maximum torque, hard	110 Nm	110 Nm
Adjustable torque	1.5 - 24 Nm	1.5 - 24 Nm
Drill diameter in		
- Masonry	16 mm	16 mm
- Steel	13 mm	13 mm
- Wood	65 mm	65 mm
No-load speed	0 - 500 / 0 - 1,700 /min	0 - 500 / 0 - 1,700 /min
Maximum impact rate	32,300 /min	32,300 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Weight (including battery pack)	2.4 kg	2.4 kg

Scope of delivery

Order number	602192 <sup>1)</sup>	602200
Quick-change chuck		■
Futuro Plus keyless chuck with metal sleeve	■	
Quick-change bit holder		■
Side handle	■	■
Belt hook and bit case	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Metabo »Quick« System: quick change of tool holder and bits for flexible working
- Selectable »impulse« mode for removal of stubborn screws and for spot-drilling on smooth surfaces
- Powerful thanks to the powerful Metabo 4-pole motor for quick drilling and screwdriving
- Overload protection: protects the motor from overheating
- High-performance impact mechanism for optimum drilling performance
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the contact area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- With handy belt hook and bit case, can be fixed either on the right or left side
- Battery packs with capacity display for checking the charge status

System components

- Accessories → 68, 234
- Battery packs → 64
- Quick-System → 18



18 V



NEW



NEW



Technical data	Cordless Impact Drill SB 18 LTX BL I	Cordless Impact Drill SB 18 LTX BL Q I
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Maximum torque - soft	60 Nm	60 Nm
Pulse Torque	63 Nm	63 Nm
Maximum torque, hard	120 Nm	120 Nm
Adjustable torque	0.8 - 20 Nm	0.8 - 20 Nm
Drill diameter in		
- Masonry	16 mm	16 mm
- Steel	13 mm	13 mm
- Wood	65 mm	65 mm
No-load speed	0 - 600 / 0 - 2,050 /min	0 - 600 / 0 - 2,050 /min
Maximum impact rate	32,300 /min	32,300 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Weight (including battery pack)	2.4 kg	2.4 kg

Scope of delivery

Order number	602352 <sup>1)</sup>	602353
Quick-change chuck		■
Futuro Plus keyless chuck with metal sleeve	■	
Quick-change bit holder		■
Side handle	■	■
Belt hook and bit case	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Metabo »Quick« System: quick change of tool holder and bits for flexible working

- Brushless impact drill with maximum power for demanding applications
- Unique Metabo brushless motor for quick work progress and highest efficiency when drilling and screwdriving
- Selectable »impulse« mode for removal of stubborn screws and for spot-drilling on smooth surfaces
- High-performance impact mechanism for optimum drilling performance
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the contact area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Handy belt hook and bit case can be fixed either on the right or left side
- Battery packs with capacity display for checking the charge status

System components

Accessories → 68, 234 | Battery packs → 64 | Quick-System → 18

18 V



NEW



Technical data	Cordless Impact Drill SBE 18 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Maximum torque - soft	24 Nm
Drill diameter in	
- Concrete	16 mm
- Steel	13 mm
- Wood	30 mm
No-load speed	0 - 1,000 / 0 - 3,000 /min
Maximum impact rate	57,000 /min
Chuck capacity	1.5 - 13 mm
Weight (including battery pack)	2.6 kg

Scope of delivery

Order number	600845
Futuro Plus keyless chuck	■
Side handle	■
Drilling depth guide	■
2 Li-Power battery packs (18 V/2.0 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- High-performance cordless impact drill for powerful drilling in concrete and masonry equivalent to that of a mains-powered tool
- Metabo S-automatic safety clutch: mechanical decoupling of the drive for safe working should the tool stop unexpectedly
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the contact area
- Practical capacity display for checking the charge status

System components

Accessories → 234 | Battery packs → 64

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18 V



Technical data	Cordless Drywall Screwdriver SE 18 LTX 2500	Cordless Drywall Screwdriver SE 18 LTX 4000	Cordless Drywall Screwdriver SE 18 LTX 6000
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V
Maximum torque - soft	9 Nm	7 Nm	5 Nm
No-load speed	0 - 2,500 /min	0 - 4,000 /min	0 - 6,000 /min
Bit retainer	Hexagon recess 1/4" (6.35 mm)	Hexagon recess 1/4" (6.35 mm)	Hexagon recess 1/4" (6.35 mm)
Weight (including battery pack)	1.4 kg	1.3 kg	1.3 kg

Scope of delivery

Order number	620047	620048	620049
Depth guide	■	■	■
Magnetic bit holder 1/4" (6.35 mm)	■	■	■
Phillips screwdriver bit, size 2/25 mm	■	■	■
Belt hook	■	■	■
2 Li-Power battery packs (18 V/2.0 Ah)	■	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■	■
Plastic carry case	■	■	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- Drywall screwdriver with high torque for fixing of gypsum plasterboards and gypsum fibre boards to wood and metal framework
- Drywall screwdriver for fixing gypsum plasterboards to wood and metal; also suitable for gypsum fibre boards to metal frames
- The specialist for gypsum plasterboards in drywall construction situations: high torque for even faster productivity
- Compact and light design for comfortable single-handed use
- Precise driving of screws by virtue of finely adjustable depth guide and low-noise claw coupling
- Depth guide can be fully removed for inspection during operation
- Vario (V)-Electronics for working at customised speeds to suit various application materials
- Integrated working light to illuminate the contact area
- With handy belt hook, can be fixed either on the right or left side
- Screwdriver magazine SM 5-55 (order no. 631618000) can be added for applying screws accurately in quick succession
- Battery packs with capacity display for checking the charge status

System components

Accessories → 287

Battery packs → 64

# CORDLESS IMPACT DRIVERS & WRENCHES: COMPACT TOOLS, GREAT PERFORMANCE

As compact as the smallest, as powerful as the largest: With the SSW 18 LTX 400 BL cordless impact wrench we are offering you a unique performance class of cordless impact screwdrivers. The tool not only covers the complete performance range of medium-sized impact drills with its excellent efficiency, offers twelve-level speed and torque selection, but it can also be used for many jobs that would have normally required a much heavier tool. The brushless motor guarantees particularly quick work progress with maximum efficiency.

Unique Metabo brushless motor for quick work progress and highest efficiency for any application

High torque accompanied by an exceptionally compact design

Integrated working light for illumination of the work area

Twelve speed/torque settings for a wide range of applications.



Low kick-back working with extremely high torque

With practical belt hook, which can be mounted on the right or left side

SSW 18 LTX 400 BL



For working with screwdriver bits you can use the adapter 628836000 (accessories).



For powerful screwdriving with high torque with low reverse torque at the same time



Metabo Impact Screwdriver Accessories for demanding applications. For example, the Metabo Impact Bits have a 70% higher service life.

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18 V



Technical data	Cordless Impact Driver SSD 18 LTX 200	Cordless Impact Wrench SSW 18 LTX 200
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Max. no-load speed	0 - 2,500 /min	0 - 2,300 /min
Maximum impact rate	3,300 /min	3,000 /min
Maximum torque	150 Nm	210 Nm
Speed/torque levels	3	3
Bit retainer	Hexagon recess 1/4" (6.35 mm)	Male square 1/2" (12.70 mm)
Weight (including battery pack)	1.6 kg	1.6 kg

Scope of delivery	602196	602195 <sup>1)</sup>
Order number		
Belt hook and bit case	■	■
2 Li-Power battery packs (18 V/4.0 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Compact cordless impact wrench for tough applications
  - High torque machine with low kick-back torque
  - Three speed/torque levels for a varied range of applications
  - Integrated work light for illumination of the work area
  - Robust die cast aluminium gear housing for optimum heat dissipation and durability
  - With handy belt hook and bit case which can be fixed either on the right or left side
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 293 | Battery packs → 64

18 V



Technical data	Cordless Impact Wrench SSW 18 LTX 400 BL	Cordless Impact Wrench SSW 18 LTX 600
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Max. no-load speed	0 - 2,150 /min	0 - 1,600 /min
Maximum impact rate	4,250 /min	2,200 /min
Maximum torque	400 Nm	600 Nm
Speed/torque levels	12	1
Bit retainer	Male square 1/2" (12.70 mm)	Male square 1/2" (12.70 mm)
Weight (including battery pack)	1.7 kg	3.1 kg

Scope of delivery	602205 <sup>1)</sup>	602198 <sup>1)</sup>
Order number		
Belt hook	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
2 LiHD battery packs (18 V/3.1 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Unique Metabo brushless motor for quick work progress and highest efficiency for any application
  - High torque accompanied by an exceptionally compact design
  - Overload protection: protects the motor from overheating
  - Twelve speed/torque levels for a wide range of applications
  - Extremely powerful for demanding screwdriving applications
  - High torque machine with low kick-back torque
  - Integrated work light for illumination of the work area
  - Robust die cast aluminium gear housing for optimum heat dissipation and durability
  - Handy belt hook, can be fixed either on the right or left side
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 239 | Battery packs → 64

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18 V



Technical data	Cordless Combination Hammer KHA 18 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Max. single blow energy (EPTA)	2.2 J
Maximum impact rate	4,000 /min
Drill diameter in	
- Concrete with hammer drills	24 mm
- Masonry with core bits	68 mm
- Steel	13 mm
- Soft wood	25 mm
No-load speed	0 - 1,100 /min
Bit retainer	SDS-plus
Weight (including battery pack)	2.9 kg

Scope of delivery

Order number	600210
Hammer chuck for tools with SDS-plus shank end	■
rubber-coated side handle	■
Drilling depth guide	■
Carrying strap	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- Combination hammer for hammer drilling, drilling without impact and chiselling
- Vario (V)-Electronics for working at customised speeds to suit various application materials
- Forward and reverse rotation
- Metabo S-automatic safety clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly
- Integrated working light to illuminate the contact area
- Battery packs with capacity display for checking the charge status

System components

Accessories → 271 | Battery packs → 64

18 V



NEW



Technical data	Cordless Tapper GB 18 LTX BL Q I
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Maximum torque - soft	60 Nm
Pulse Torque	63 Nm
Maximum torque, hard	120 Nm
Adjustable torque	0.8 - 20 Nm
Largest thread diameter	M 12 (1/2" UNC/UNF)
Drill diameter in	
- Steel	13 mm
- Wood	65 mm
No-load speed	0 - 600 / 0 - 2,050 /min
Chuck capacity	1.5 - 13 mm
Weight (including battery pack)	2.5 kg

Scope of delivery

Order number	603827
Quick change tapping chuck	■
Side handle	■
Belt hook and bit case	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■

Product advantages

- High-grade cordless drill/screwdriver with unique, patented thread-tapping function
- Quick and interruption-free drilling and cleaning of threads thanks to automatic change of the direction of rotation
- Keyless chuck for attaching of taps with square and cylindrical shanks
- Metabo »Quick« System: quick change of tool holder and bits for flexible working
- Unique Metabo brushless motor for quick work progress and highest efficiency when drilling and screwdriving
- Selectable »impulse« mode for removal of stubborn screws and for spot-drilling on smooth surfaces
- Precision Stop: electronic torque coupling with increased precision for accurate and intricate working
- Overload protection: protects the motor from overheating
- Collar (Ø 43 mm) for versatile use
- Integrated working light to illuminate the contact area
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Handy belt hook and bit holder can be fixed either on the right or left side
- Battery packs with capacity display for checking the charge status

System components

Accessories → 68, 234 | Battery packs → 64

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18 V



Technical data	Cordless Flat-Head Angle Grinder WF 18 LTX 125 Quick
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Minimum accessible angle	43 °
Grinding wheel Ø	125 mm
No-load speed	8,000 /min
Spindle thread	M 14
Weight (including battery pack)	2.4 kg

Scope of delivery	601306 <sup>1)</sup>
Order number	601306 <sup>1)</sup>
1 Flap disc Flexiamant Super Convex (125mm; P60)	■
Guard	■
Inner support flange	■
Quick-locking nut	■
Side handle	■
Dust filter	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Extremely flat gear head permits working within acute angles down to 43°
  - Compact design for quick removal of welding slag, rust or paint in tight places e.g. frame constructions
  - Low-fatigue working even on weld seams in difficult to access places thanks to slim handle
  - Robust motor for long service life
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Battery pack can be swivelled for better working in hard to reach places
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 79, 118 | Battery packs → 64

18 V



Technical data	Cordless Angle Grinder W 18 LTX 115 Quick	Cordless Angle Grinder W 18 LTX 125 Quick	Cordless Angle Grinder WP 18 LTX 125 Quick
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V
Grinding wheel Ø	115 mm	125 mm	125 mm
No-load speed	8,000 /min	8,000 /min	8,000 /min
Spindle thread	M 14	M 14	M 14
Weight (including battery pack)	2.4 kg	2.4 kg	2.4 kg

Scope of delivery	602170 <sup>1)</sup>	602174	613072
Order number	602170 <sup>1)</sup>	602174	613072
Guard	■	■	■
Inner support flange	■	■	■
Quick-locking nut	■	■	■
Side handle	■	■	■
Dust filter	■	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■	■
Plastic carry case	■	■	■
MetaLoc case insert	■	■	■
without battery pack, without charger	■	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Slim design for prolonged comfort when working overhead or in areas with limited space
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Battery pack can be swivelled for better working in hard to reach places
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Detachable dust filter protects motor from coarse particles
  - Battery packs with capacity display for checking the charge status
  - Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch

**System components**

Accessories → 118 | Battery packs → 64

18 V



Technical data

Cordless Angle Grinder  
WB 18 LTX BL 125 Quick

Cordless Angle Grinder  
WPB 18 LTX BL 125 Quick

Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Grinding wheel Ø	125 mm	125 mm
No-load speed	9,000 /min	9,000 /min
Spindle thread	M 14	M 14
Weight (including battery pack)	2.6 kg	2.6 kg

Scope of delivery

Order number	613077	613075
Guard	■	■
Inner support flange	■	■
Quick-locking nut	■	■
Side handle	■	■
Dust filter	■	■
2 LiHD battery packs (18 V/5.5 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- Paddle switch with deadmans function: safe to operate due to an ergonomically integrated non-slip switch

- Unique encapsulated Metabo brushless motor with optimum protection from dust provides quick work progress and the highest efficiency
- Slim design for prolonged comfort when working overhead or in areas with limited space
- Fast brake system with safety spindle for highest user protection: stops the disc within 2 seconds after switching off and prevents the nut from coming loose during the braking process
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places
- Electronic safety shutdown: reduces kickback if the disc stops unexpectedly - for high user protection
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Detachable dust filter protects motor from coarse particles
- Battery packs with capacity display for checking the charge status

System components

Accessories ▶ 118

Battery packs ▶ 64

18 V



Technical data

Cordless Angle Grinder  
W 18 LTX 150 Quick

Cordless Angle Grinder  
WB 18 LTX BL 150 Quick

Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Grinding wheel Ø	150 mm	150 mm
No-load speed	8,000 /min	8,000 /min
Spindle thread	M 14	M 14
Weight (including battery pack)	2.4 kg	2.6 kg

Scope of delivery

Order number	600404 <sup>1)</sup>	613078
Cutting guard clip	■	
Guard	■	■
2 Flexiarapid Inox cutting discs (150x1.6x22.2 mm)	■	
Inner support flange	■	■
Quick-locking nut	■	■
Side handle	■	■
Dust filter	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	
Charger ASC 30-36 V »AIR COOLED«	■	
Plastic carry case	■	
without battery pack, without charger		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- World's first 150 mm cordless angle grinder for powerful cutting up to 45 mm deep
- Battery packs with capacity display for checking the charge status
- Unique encapsulated Metabo brushless motor with optimum protection from dust provides quick work progress and the highest efficiency
- Fast brake system with safety spindle for highest user protection: stops the disc within 2 seconds after switching off and prevents the nut from coming loose during the braking process
- Electronic safety shutdown: reduces kickback if the disc stops unexpectedly - for high user protection
- Slim design for prolonged comfort when working overhead or in areas with limited space
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Detachable dust filter protects motor from coarse particles

System components

Accessories ▶ 118

Battery packs ▶ 64

18 V



Technical data	Cordless Angle Grinder W 18 LTX 125 Quick Inox Set	Cordless Angle Grinder W 18 LTX 125 Quick Inox
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Grinding wheel Ø	125 mm	125 mm
No-load speed	5,000 /min	5,000 /min
Spindle thread	M 14	M 14
Weight (including battery pack)	2.4 kg	2.4 kg

Scope of delivery	600174880 <sup>1)</sup>	600174850 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
Quick-locking nut	■	■
Side handle	■	■
Dust filter	■	■
2 Combination flap discs (125x22.23 mm; medium)	■	
1 Fleece compact disc (125x15x 22.23 mm; very fine)	■	
1 Hook and loop backing pad (125 mm; hard)	■	
1 Hook and loop backing pad (125 mm; soft)	■	
5 Pyramid hook and loop sanding sheets (125 mm; P600/A30)	■	
Hook and loop fleece disc (125 mm; P280)	■	
2 Li-Power battery packs (18 V/5.2 Ah)	■	
Charger ASC 30-36 V »AIR COOLED«	■	
Sheet steel carry case	■	
without battery pack, without charger		■

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Speed and torque configured precisely for stainless steel processing ensuring a cool grinding action with perfect finish
  - Slim design for prolonged comfort when working overhead or in areas with limited space
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Battery pack can be swivelled for better working in hard to reach places
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Detachable dust filter protects motor from coarse particles
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 158 | Battery packs → 64

18 V



Technical data	Cordless Band File BF 18 LTX 90
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Belt speed in idle	8 m/s
Sanding belt width	6 - 19 mm
Sanding belt length	457 mm
Useful length of sanding belt arm	90 mm
Weight (including battery pack)	2.6 kg

Scope of delivery	600321
Side handle	■
Dust filter	■
Sanding belt arm 1 (for belt width 6 and 13 mm)	■
Hexagonal wrench	■
without battery pack, without charger	■

- Product advantages**
- Powerful, compact cordless band file for grinding, burnishing and deburring in places difficult to reach
  - Robust motor for long service life
  - Tool-free change of sanding belt and adjustable belt guide
  - Grinding attachment can be swivelled by 270° for perfect adaptation to any working position
  - Battery pack can be swivelled for better working in hard to reach places
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 163 | Battery packs → 64



Technical data	Cordless Fillet Weld Grinder KNS 18 LTX 150
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
No-load speed	3,800 /min
Disc Diameter	150 mm
Spindle thread	M 14
Weight (including battery pack)	3 kg

Scope of delivery	600191
Guard	■
Inner support flange	■
Nut with two holes	■
Side handle	■
Dust filter	■
Flat-pin spanner	■
Hexagonal wrench	■
without battery pack, without charger	■

- Product advantages**
- Very flat cordless fillet weld grinder for processing stainless steel weld seams in tight spaces
  - Robust motor for long service life
  - Spindle lock for quick disc change
  - Adjustable without tools, removable guard
  - Grinding arm can be swivelled by 270° for perfect adaptation to any working position
  - Low-maintenance belt drive for long service life
  - Battery pack can be swivelled for better working in hard to reach places
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 166 | Battery packs → 64

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18 V



Technical data	Cordless Burnishing Machine S 18 LTX 115
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
No-load speed	3,000 /min
Spindle thread	M 14
Abrasive tool diameter	100 - 200 mm
Abrasive tool width	50 - 100 mm
Weight (including battery pack)	3.1 kg

Scope of delivery	600154
Order number	600154
Side handle	■
Dust filter	■
Single-ended open-jawed spanner	■
Hexagonal wrench	■
without battery pack, without charger	■

- Product advantages**
- Compact cordless burnishing machine for grinding, burnishing, brushing and high-gloss polishing of e.g. stainless steel
  - Robust motor for long service life
  - Spindle lock and flange nut for quick roller change without tools
  - Bracket for side handle with different mounting points; adjustable without tools
  - Smooth-running, form-fit roller arbor for a uniform finish
  - Battery pack can be swivelled for better working in hard to reach places
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 196 | Battery packs → 64



Technical data	Cordless Tube Belt Sander RB 18 LTX 60
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Belt speed in idle	9.2 m/s
Dimensions of sanding belt	30 x 533 mm
Maximum pipe diameter	60 mm
Wrap angle	190 °
Weight (including battery pack)	3.3 kg

Scope of delivery	600192
Order number	600192
Dust filter	■
Hexagonal wrench	■
without battery pack, without charger	■

- Product advantages**
- Compact grinding attachment that can be adjusted without tools; perfect for reworking mounted handrails
  - Compact cordless tube belt sander for quick, flexible processing of stainless steel pipes
  - Large wrap angle of 190° for smooth surfaces
  - Robust motor for long service life
  - Tool-free change of sanding belt and adjustable belt guide
  - Battery pack can be swivelled for better working in hard to reach places
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 177 | Battery packs → 64

18 V



Technical data	Cordless Die Grinder GA 18 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
No-load speed	25,000 /min
Collar diameter	43 mm
Collet chuck bore	6 mm
Weight (including battery pack)	2.1 kg

Scope of delivery	600638
Order number	600638
Collet 6 mm	■
Protective rubber cap	■
Side handle	■
Dust filter	■
Open-jawed spanner	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■
without battery pack, without charger	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Spindle lock for simple change of tools
- Electronic safety shutdown of the motor for safe working in case the tool stops unexpectedly
- Restart protection: prevents unintentional start-up after power supply interruption
- Overload protection: protects the motor from overheating
- Removable protective rubber cap for comfortable and safe working
- Slim design for ideal handling
- Precision collet for precise concentricity
- Battery packs with capacity display for checking the charge status

**System components**

Accessories → 192 | Battery packs → 64



Technical data	Cordless Die Grinder GPA 18 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
No-load speed	25,000 /min
Collar diameter	43 mm
Collet chuck bore	6 mm
Weight (including battery pack)	2.1 kg

Scope of delivery	600621 <sup>1)</sup>
Order number	600621 <sup>1)</sup>
Collet 6 mm	■
Protective rubber cap	■
Side handle	■
Dust filter	■
Open-jawed spanner	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■
without battery pack, without charger	■

- Paddle switch with dead-mans function: safe to operate due to an ergonomically integrated non-slip switch
- High torque and compact design thanks to robust planetary gear



Technical data	Cordless Die Grinder GA 18 LTX G
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
No-load speed	6,000 /min
Collar diameter	43 mm
Collet chuck bore	6 mm
Weight (including battery pack)	2.2 kg

Scope of delivery	600639 <sup>1)</sup>
Order number	600639 <sup>1)</sup>
Collet 6 mm	■
Protective rubber cap	■
Side handle	■
Dust filter	■
Open-jawed spanner	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■
without battery pack, without charger	■

- High torque and compact design thanks to robust planetary gear

**System components**

Accessories → 192 | Battery packs → 64



18 V



Technical data	Cordless Beveling Tool KFM 18 LTX 3 RF
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
No-load speed	7,000 /min
Chamfer height (45°)	0 - 4 mm
Possible radii	2 / 3 mm
Min. sheet thickness with stationary seal ring	4 mm
Min. sheet thickness with parallel guide	2 mm
Weight (including battery pack)	3.1 kg

Scope of delivery

Order number	601754 <sup>1)</sup>
2 Carbide indexable inserts 45° chamfer	■
2 Carbide indexable inserts radius R2	■
2 Carbide indexable inserts radius R3	■
Parallel guide / ripping fence	■
Screwdriver Torx 15	■
Metabo VibraTech (MVT) side handle	■
Dust filter	■
2 LiHD battery packs (18 V/5.5 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
MetaLoc case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- World's first cordless metal beveling tool for 45° chamfers up to 4 mm and radii of 2 and 3 mm
- Surfaces free from oxide and burrs as ideal preparation for the application of powder or paint coatings for maximum protection from corrosion
- One-touch controller: Patented, tool-free setting of the cutting depth in 0.1 steps; stop points for short setting times, and protection against unintentional adjustment of the cutting depth when working
- Slim cutter head for working on tubes, on drilled holes from Ø 13 mm, and on exterior contours
- Parallel stop for a uniform finish when processing straight edges
- Battery pack can be swivelled for better working in hard to reach places
- Electronic overload protection, soft start and restart protection
- Detachable dust filter protects motor from coarse particles

System components

Accessories → 196 | Battery packs → 64

NEW



Technical data	Cordless Band Saw MBS 18 LTX 2.5
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Maximum cutting width	63.5 mm
Saw belt length	835 mm
Saw belt width	13 mm
Saw band speed	174 m/min
Weight (including battery pack)	4.1 kg

Scope of delivery

Order number	613022
Band saw blade 14/18 TPI	■
without battery pack, without charger	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- Light cordless band saw for precise, burr-free cuts in metal, aluminium and plastic
- Compact design for sawing in hard to reach places and overhead
- Material-friendly, almost spark-free sawing without coolant
- Low-fatigue working thanks to optimum centre of gravity and large rubberised areas of the handles
- Low-vibration saw blade running for precision cuts and comfortable working
- Tension and tracking of the band saw blade can be adjusted quickly and easily
- Metabo Quick for changing saw blades without tools
- Integrated LED work light for illumination of the cutting line
- Robust housing with solid metal stop and metal saw blade cover
- Integrated hanging hook for space-saving storage
- Conventional band saw blades in the respective size can be used
- Battery packs with capacity display for checking the charge status

System components

Accessories → 462 | Battery packs → 64

18 V



Technical data	Cordless Circular Saw KSA 18 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Swivel range from / to:	0 ° / 50 °
Adjustable cutting depth	0 - 53.5 mm
Maximum cutting depth at 90°	53.5 mm
Maximum cutting depth at 45°	42 mm
Saw blade Ø x bore	Ø 165 x 16 mm
No-load speed	2,700 /min
Max. cutting speed	23 m/s
Weight (including battery pack)	4.3 kg

Scope of delivery

Order number	602268
Carbide circular saw blade (18 teeth)	■
Parallel guide / ripping fence	■
Hexagonal wrench	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- Integrated LED work light for optimum illumination of the cutting line
- Brake area stops the saw blade quickly and improves safety
- Large range of applications thanks to the capability of angled cuts up to 50°
- Precise cuts with guide rail and adapter (accessory)
- Battery packs with capacity display for checking the charge status

System components

Accessories → 342 | Battery packs → 64



Technical data	Cordless Sabre Saw ASE 18 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Strokes – no load	0 - 2,700 /min
Saw blade stroke	30 mm
Weight (including battery pack)	3.6 kg

Scope of delivery

Order number	602269
Hexagonal wrench	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages

- Slim, lightweight machine with soft-grip handle for comfortable sawing in every working position
- Robust die-cast aluminium gear housing, coated for optimum handling
- Vario (V)-Electronics for working with customised stroke rates for the materials used
- Saw blade rotatable by 180° for working comfortably overhead
- Metabo Quick for changing saw blades without tools
- Depth guide can be adjusted for ideal utilisation of the saw blade and diverse applications such as plunge cuts
- Wide range of uses thanks to the adapted Metabo saw blade range
- Battery packs with capacity display for checking the charge status

System components

Accessories → 371 | Battery packs → 64

18 V



Technical data	Cordless Jigsaw STA 18 LTX	Cordless Jigsaw STA 18 LTX 140
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Maximum thickness of material in		
- Wood	135 mm	140 mm
- Non-ferrous metals	35 mm	35 mm
- Steel sheet	10 mm	10 mm
Swivel range from / to:	- 45 °/+ 45 °	- 45 °/+ 45 °
Pendulum stroke levels	4	4
Saw blade stroke	25.4 mm	26 mm
Strokes – no load	0 - 2,700 /min	1,000 - 3,000 /min
Weight (including battery pack)	2.8 kg	2.9 kg

Scope of delivery

Order number	602298	601405
Extraction nozzle		■
Protective glass		■
Plastic guard plate	■	■
Chip guard plate	■	■
Hexagonal wrench	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Metabo Quick for changing saw blades without tools
- Low-lying saw blade guidance for precise cuts
- Top handle with non-slip soft-grip surface
- Vario (V)-Electronics for working with customised stroke rates for the materials used
- Splinter-free and gentle sawing due to guard plate and chip break guard
- Extremely powerful jigsaw with VTC-Electronics for fast cuts into softwood of up to 140 mm
- Extremely handy due to small handle size and soft-grip surface
- Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support
- Metabo »Quick« for changing saw blades without tools and with automatic ejection
- Convenient automatic start-up with automatic stroke rate acceleration
- Simple bevel cuts thanks to footplate with rest points that can be adjusted without tools
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for work with materials requiring customised stroke rates, which remain constant under load
- Restart protection: prevents unintentional start-up after power supply interruption
- Selectable shaving blower function ensures free view of cutting line
- Integrated LED work light for illumination of the cutting line
- Long service life thanks to optimum gear and motor design and robust die-cast aluminium gear housing
- Battery packs with capacity display for checking the charge status

System components

Accessories → 357 | Battery packs → 64

18 V



Technical data	Cordless Mitre Saw KS 18 LTX 216	Cordless Mitre Saw KGS 18 LTX 216 With sliding function
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Cutting capacity 90°/90°	120 x 60 mm	305 x 65 mm
Cutting capacity 45°/45°	80 x 45 mm	205 x 36 mm
Turntable setting left/right	47 °/47 °	47 °/47 °
Saw blade tilt left/right	47 °/2 °	47 °/2 °
Saw blade	Ø 216 x 30 mm	Ø 216 x 30 mm
No-load speed	4,200 /min	4,200 /min
Cutting speed	48 m/s	48 m/s
Weight (including battery pack)	9.6 kg	13.6 kg

Scope of delivery

Order number	619000 <sup>1)</sup>	619001 <sup>1)</sup>
Carbide saw blade (40 teeth)	■	■
2 Table length extensions	■	■
Length guide	■	■
Material clamp	■	■
Tool for saw blade change	■	■
Chip collection bags	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Sliding function for wide work pieces.
- Depth stop for easy creation of grooves
- Powerful cordless mitre saw perfect for assembly jobs with high volume of cuts
- Compact light weight, suitable also for one-handed transport
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Motor brake for quick stop of the saw blade in 3 seconds
- Robust die-cast aluminium design for the highest demands
- Effective internal chip and dust extraction via dust scoop and chip collection bag
- Fast and precise setting of common angles using stop points
- Cutting line laser and LED work light with energy-saving automatic switch-off
- Adjustable and extendable table width extension, removable to put long panels, slabs etc. underneath
- Sliding high rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front
- Battery packs with capacity display for checking the charge status

System components

Accessories → 449, 456 | Battery packs → 64

18 V



Technical data	Cordless Multi-Tool MT 18 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Orbital frequency with no load	7,000 - 18,000 /min
Oscillation angle left/right	1.6 °
Base plate, dimensions from corner to corner	93 mm
Weight (including battery pack)	2 kg

Scope of delivery	Order number	613021
Plunge saw blade 32 mm HCS (wood)		■
Segment saw blade 85 mm BiM (wood + metal)		■
Scraping knife, rigid 52 mm HCS		■
Triangular hook and loop sanding plate 93 mm		■
5 Hook and loop sanding sheets 93 mm P 80		■
5 Hook and loop sanding sheets 93 mm P 120		■
Suction adapter		■
Multi-adapter		■
2 Li-Power battery packs (18 V/5.2 Ah)		■
Charger ASC 30-36 V »AIR COOLED«		■
Plastic carry case		■

Equipment variants can be found in the Metabo price list and on the internet

- Product advantages**
- Oscillating cordless multi-tool with high performance comparable to that of a mains powered version
  - Indispensable for interior construction work such as cutting, sanding, scraping and grating of different materials
  - Tool holder for maximum compatibility with other makes of accessories
  - Metabo Quick tool change system for time-saving, convenient change of accessories
  - Fast and powerful thanks to the combination of a large oscillation angle of 3.2° and VTC-Electronics to maintain constant speed even under load
  - Extra bright double LED lights for good visibility of the working area
  - Slim design and non-slip soft-grip surface for optimised handling
  - Extraction possibility by means of connecting an all-purpose vacuum cleaner
  - Battery packs with capacity display for checking the charge status

System components
Accessories → 69
Battery packs → 64
Extraction systems → 399

14.4 V  
18 V



Technical data	Cordless Power Adapter PA 14.4-18 LED-USB
Order number	600288
without battery pack, without charger	■

- Product advantages**
- Compact, multi-function adapter, can be used as charger, energy source and lamp
  - Two fast USB connections for charging and operating of USB devices (max. charging current 2 A)
  - 12 Volt connection for the Metabo heated jacket
  - Bright LED light for close range
  - LED power light shows operation; automatic shutdown after seven hours
  - Safe application thanks to automatic shutdown in case of overheating or short-circuit
  - The Metabo cordless system: operation with all Li-Power and LiHD slide-on battery packs with 14.4 and 18 volts

Technical data	Cordless Portable Lamp ULA 14.4-18 LED	Cordless Inspection Lamp SLA 14.4-18 LED
Max. operation time per battery charge	14.4 V / 2.0 Ah: 4.5 h 14.4 V / 4.0 Ah: 9 h 18 V / 2.0 Ah: 6.4 h 18 V / 4.0 Ah: 12.7 h 18 V / 5.2 Ah: 16.5 h 18 V / LiHD 3.1 Ah: 10 h 18 V / LiHD 5.5 Ah: 17.6 h 18 V / LiHD 6.2 Ah: 19.8 h	14.4 V / 2.0 Ah: 3.4 h 14.4 V / 4.0 Ah: 6.8 h 18 V / 2.0 Ah: 4.5 h 18 V / 4.0 Ah: 9.1 h 18 V / 5.2 Ah: 11.8 h 18 V / LiHD 3.1 Ah: 7 h 18 V / LiHD 5.5 Ah: 12.4 h 18 V / LiHD 6.2 Ah: 14 h
Weight (without battery pack)	0.39 kg	0.46 kg

Scope of delivery	Order number	600368	600370
without battery pack, without charger		■	■

- Product advantages**
- Powerful LED portable lamp for uniform, bright illumination of the working area
  - Lamp head can be tilted and locked in 12 positions
  - Powerful LED inspection lamp for uniform, bright illumination of the working area
  - Lamp head can be turned and swivelled through 180° providing almost infinite positions for the lamp
  - Compact and handy for versatile use
  - Robust aluminium die-cast housing for use on construction sites
  - The Metabo cordless system: operation with all Li-Power and LiHD slide-on battery packs with 14.4 and 18 volts
  - Swivelling hook for suspending the lamp

System components
Battery packs → 64

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Technical data	
<b>Cordless Site Light BSA 14.4-18 LED</b>	
Max. operation time per battery charge	14.4 V / 2.0 Ah: 2.2 h
	14.4 V / 4.0 Ah: 4.3 h
	18 V / 2.0 Ah: 2.7 h
	18 V / 4.0 Ah: 5.4 h
	18 V / 5.2 Ah: 7.0 h
	18 V / LiHD 3.1 Ah: 4.2 h
	18 V / LiHD 5.5 Ah: 7.4 h
	18 V / LiHD 6.2 Ah: 8.3 h
Weight (without battery pack)	2.5 kg
Scope of delivery	
<b>Order number</b>	<b>602111</b>
without battery pack, without charger	■

**Product advantages**

- Powerful cordless site spotlight with 18 LEDs for extensive and even illumination of the workplace, also suitable for surface processing
- The Metabo cordless system: operation with all Li-Power and LiHD slide-on battery packs with 14.4 and 18 volts
- Robust and with a long service life for demanding applications on construction sites; housing and glass can be cleaned with a damp cloth
- Very bright and pleasant light, inspired by daylight, with two illumination levels
- Extremely long-lasting illumination of up to 8.3 hours per battery charge
- Minimum heat generation: the spotlight only gets lukewarm for safe handling during continuous operation
- Handle and light, compact design for quick change of position and for on the go
- Spotlight can be swivelled quickly and continuously through 180°
- Rubberised stand for secure positioning and gentle contact on delicate surfaces
- Can also be suspended from a wall or on a tripod

**System components**

Battery packs → 64



Technical data	
<b>Cordless Worksite Radio RC 14.4 - 18</b>	
Max. runtime per battery charge	14,4V / 2.0 Ah: 9.2 h
	14,4V / 4.0 Ah: 18.4 h
	18V / 2.0 Ah: 12.3 h
	18V / 4.0 Ah: 24 h
	18V / 5.2 Ah: 31.2 h
Weight (without battery pack)	5.3 kg
Scope of delivery	
<b>Order number</b>	<b>602106</b>
AUX connection cable	■
Mains cable	■
without battery pack	■

**Product advantages**

- Operation with all Li-Power slide-on battery packs with 14.4 and 18 volts or mains-powered
- Charger function for charging all Li-Power slide-on 14.4 and 18 Volt battery packs
- Battery pack operation up to 31 hours
- Robust plastic housing: splashproof, dustproof, shockproof
- Safety frame
- Digital PLL tuner with illuminated LCD display and automatic station search
- Capacity for 10 programmes (5 for FM stations, 5 for AM stations)
- Robust, rotating sound, station search and volume control
- Digital clock with alarm function with two separate alarm times (wake-up alarm tone or radio alarm)
- Flexible antenna
- AC mains cable (2.2 m)
- 12 V DC power input (9-14 V)
- Powerful loudspeaker
- Headphones and AUX-inputs for CD and MP3 player (e.g. iPod® etc.)
- DC output (5 V, 500 mA) for charging mobile phones
- Safe storage of battery packs and MP3 players



Technical data	
<b>Cordless Hedge Trimmer AHS 18-55 V</b>	
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Capacity of battery pack	4.0 Ah
Runtime per battery charge	65 min
Cutting strength	18 mm
Cutting length	53 cm
No of strokes (no load)	2,700 /min
Weight (including battery pack)	3.9 kg
Scope of delivery	
<b>Order number</b>	<b>600463</b>
2 Li-Power battery packs (18 V/4.0 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Storage slipcase	■

**Product advantages**

- Blades with special geometry generate less wear and thus deliver 200% longer service life
- Clean cut thanks to diamond-ground blade teeth on both sides at a30° angle
- Lower safety blade for high safety at work
- Top cutting performance generated by double reduction gearing
- Pleasant to work with thanks to low-vibration running, perfect ergonomics and soft-grip handle
- Safety features include electronic quick stop of the blade (in 0.3 seconds)
- Trigger guard with twig feed protects user and gear from kickbacks

**System components**

Accessories → 555

Battery packs → 64



Technical data	
<b>Cordless Blower AG 18</b>	
Air volume	2,691 m³/min
Max. air velocity	74/166 m/s
Weight (including battery pack)	1.87 kg
Scope of delivery	
<b>Order number</b>	<b>602242</b>
without battery pack, without charger	■

**Product advantages**

- Lightweight cordless blower e.g. for blowing off chips from workpieces, workplace, transporter etc.
- Good ergonomics provided by a rubberised handle and an optimum centre of gravity
- Robust design suitable for applications in the workshop and on the construction site
- Vario (V)-Electronics for continuously selectable blowing air velocity rate
- Thumbwheel for preselection of 3 air velocity rate settings for varied output
- Rubberised end piece of the blow tube to protect delicate surfaces
- Comfortable blowing of floor areas using the supplied extension of the blow tube
- Operation with all Li-Power and LiHD slide-on 18 Volt battery packs

**System components**

Battery packs → 64

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# 18 V



Technical data	Cordless Fan AV 18
Air velocity	1.8 / 2.8 / 3.8 m/s
Maximum speed	1,300 /min
Rotor diameter	355 mm
Weight (including battery pack)	4.55 kg
<b>Scope of delivery</b>	
Order number	606176
without battery pack, without charger	■

### Product advantages

- High-quality cordless fan for flexible use, independent from mains power
- Battery pack operating time of up to 7 hours (at 5.2 Ah)
- Robust metal cage for maximum air throughput with minimum turbulence
- Adjustable tilting cage for flexible direction of air flow
- Air speed selectable via 3 levels
- Quiet operation even with highest level setting
- Stable tubular frame with rubber feet for safe positioning
- Prepared integrated mounting plate for mounting on a tripod or to the wall
- Operation with all Li-Power and LiHD slide-on 18 Volt battery packs

### System components

Battery packs → 64



Technical data	Cordless Heated Jacket HJA 14.4-18
<b>Order number</b>	
Size XS	657015
Size S	657014
Size M	657009
Size L	657010
Size XL	657011
Size XXL	657012
Size XXXL	657013
<b>Scope of delivery</b>	
Power Adapter PA 14.4-18 LED-USB	■
without battery pack, without charger	■

### Product advantages

- High-quality cordless heated jacket for work and leisure - warm, comfortable and versatile
- Five heating zones can be heated simultaneously or selectively at three different heating levels
- Up to 18 hours of comfortable warmth on level 1 or 6 hours of strong warmth on level 3 with one battery charge (18 V/5.2 Ah/all zones)
- Up to 7 hours of warmth on level 1 or 2 hours of warmth on level 3 when using a 18 V/2.0 Ah battery pack
- Extremely hard-wearing thanks to wind- and water-resistant, tear-proof material
- Comfortable fleece lining with numerous pockets and concealed hood in the collar
- Two easy to reach battery pack pockets left and right behind the side seam
- While heating the jacket with the power adapter you can also charge USB devices
- The Metabo cordless system: operation with all Li-Power and LiHD slide-on battery packs with 14.4 and 18 volts

# 25.2 V



Technical data	Cordless Magnetic Core Drill MAG 28 LTX 32
Type of battery pack	Li-Ion
Battery pack voltage	25.2 V
Max. drill diameter	
- With core drill	32 mm
- With spiral drill	13 mm
Maximum drilling depth	50 mm
Max. stroke	160 mm
Max. magnetic holding force	8,500 N
Dimensions of the magnet base	70 x 190 mm
No-load speed	380 / 680 /min
Bit retainer	Morse taper MK 2, Weldon shaft 19 mm (3/4")
Height (including motor) max.	615 mm
Weight (including battery pack)	14.5 kg

### Scope of delivery

Order number	600334 <sup>1)</sup>
Industrial holder for Weldon shank 19 mm	■
3 HSS Core drills »rapid cut« Ø 14 mm, Ø 18 mm, Ø 22 mm	■
Ejector pin 77 mm	■
Geared chuck 13 mm with adapter MK2	■
Chuck key	■
MK 2 drift key	■
Safety strap	■
Allen key	■
Universal cutting paste	■
2 Li-Power battery packs (25.2 V/3.0 Ah)	■
Quick charger ASS 15 Plus »AIR COOLED«	■
Transport case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- Large stroke, therefore suitable for use of core drills, spiral drills and countersinks
- Magnetic base with high holding power permits working on vertical surfaces and overhead
- Highest safety at work thanks to permanent magnet, no accidental deactivation of the magnet is possible
- V Block magnetic base, particularly suited for processing pipes from Ø 90 mm
- Adjustable magnetic holding force for easy positioning on vertical surfaces
- Durable two-speed gearbox with oil bath lubrication for ideal speeds
- Overload protection: protects the motor from overheating
- Integrated coolant container for easy to dose internal cooling of the core drill
- Spare battery pack always handy thanks to storage on drill stand

### System components

Accessories → 222

Battery packs → 64

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## CLEVER COMBINATION OF BATTERY PACK POWER.

Metabo offers you mobile system solutions with product combinations customised for target groups from the wide range of cordless tools. Thanks to the flexible combination possibilities, the tools including accessories and charger can be stored in the robust MetaLoc cases. The cases can be interconnected and can be opened/closed with one hand. Thanks to the MetaLoc case, the tools can be transported comfortably and safely to the construction site, and can also be stored whilst occupying little space.

### 10.8 V



#### Combo Set 2.1 10.8 V Quick Pro

- Cordless Drill / Screwdriver PowerMaxx BS Quick
- Cordless Impact Screwdriver PowerMaxx SSD
- »Quick« Keyless Chuck
- »Quick« quick change angle adapter
- Li-Power battery pack (10.8 V/2.0 Ah)
- Li-Power battery pack (10.8 V/4.0Ah)
- Charger LC 40
- In MetaLoc II
- Order number 685053000



#### Combo Set 2.2 10.8 V Quick Pro

- Cordless Drill / Screwdriver PowerMaxx BS Quick
- Cordless Sabre Saw PowerMaxx ASE
- »Quick« Keyless Chuck
- »Quick« quick change angle adapter
- Li-Power battery pack (10.8 V/2.0 Ah)
- Li-Power battery pack (10.8 V/4.0Ah)
- Charger LC 40
- In MetaLoc III
- Order number 685054000



#### Combo Set 2.5 10.8 V

- Cordless Impact Drill PowerMaxx SB Basic
- Cordless Impact Screwdriver PowerMaxx SSD
- Keyless chuck
- 2 Li-Power battery pack (10.8 V/2.0 Ah)
- Charger LC 40
- Plastic carry case
- Order number 685091000

### 18 V



#### Combo Set 2.1.7 18 V

- Cordless Drill / Screwdriver BS 18
- Cordless Impact Screwdriver SSD 18 LTX 200
- 2 Li-Power battery packs (18 V/2.0 Ah)
- Charger SC 60 Plus
- Plastic carry case
- Order number 685080000

or with SB 18

- Combo Set 2.1.8 18 V
- Order number 685087000



#### Combo Set 2.6.1 18V

- Cordless Drill / Screwdriver BS 18
- Cordless Multi-Tool MT 18 LTX
- 2 Li-Power battery packs (18 V/2.0 Ah)
- Charger SC 60 Plus
- Plastic carry case
- Order number 685081000

or with SB 18

- Combo Set 2.6.2 18 V
- Order number 685088000



#### Combo Set 2.4.3 18V

- Cordless Drill / Screwdriver BS 18
- Cordless Angle Grinder W 18 LTX 125 Quick
- Li-Power battery pack (18 V/2.0 Ah)
- Li-Power battery pack (18 V/4.0Ah)
- Charger SC 60 Plus
- Plastic carry case
- Order no. 685082000

or with SB 18

- Combo Set 2.4.4 18 V
- Order number 685089000



#### Combo Set 2.3.2 18V

- Cordless Drill / Screwdriver BS 18
- Cordless Combination Hammer KHA 18 LTX
- 2 Li-Power battery packs (18 V/2.0 Ah)
- Charger SC 60 Plus
- Plastic carry case
- Order number 685083000

or with SB 18

- Combo Set 2.3.4 18 V
- Order number 685090000



#### Combo Set 2.1.1 18 V

- Cordless Drill / Screwdriver BS 18 LT
- Cordless Impact Screwdriver SSD 18 LTX 200
- 2 Li-Power battery packs (18 V/4.0 Ah)
- Charger ASC 30-36 V »AIR COOLED«
- In MetaLoc III
- Order number 685030000

or with SB 18 LT

- Combo Set 2.1.3 18 V
- Order number 685032000



#### Combo Set 2.1.2 18 V

- Cordless Drill / Screwdriver BS 18 LT
- Cordless Impact Screwdriver SSW 18 LTX 200
- 2 Li-Power battery packs (18 V/4.0 Ah)
- Charger ASC 30-36 V »AIR COOLED«
- In MetaLoc III
- Order number 685031000

or with SB 18 LT

- Combo Set 2.1.4 18 V
- Order number 685033000



#### Combo Set 2.1.5 18 V LTX

- Cordless Impact Drill SB 18 LTX Impuls
- Cordless Impact Screwdriver SSD 18 LTX 200
- 2 Li-Power battery packs (18 V/5.2 Ah)
- Charger ASC 30-36 V »AIR COOLED«
- In MetaLoc III
- Order number 685058000



#### Combo Set 2.4.1 18 V

- Cordless Drill / Screwdriver BS 18 LT
- Cordless Angle Grinder W 18 LTX 125 Quick
- 2 Li-Power battery packs (18 V/4.0 Ah)
- Charger ASC 30-36 V »AIR COOLED«
- In MetaLoc IV
- Order number 685038000

or with SB 18 LT

- Combo Set 2.4.2 18 V
- Order number 685039000



#### Combo Set 2.3.3 18V

- Cordless Drill / Screwdriver BS 18 LT Quick
- Cordless Combination Hammer KHA 18 LTX
- »Quick« Keyless Chuck
- Quick change bit holder »Quick«
- »Quick« quick change angle adapter
- 2 Li-Power battery packs (18 V/4.0 Ah)
- Charger ASC 30-36 V »AIR COOLED«
- MetaLoc III
- Order number 685084000

# WORLD'S FIRST 230MM Ø CORDLESS ANGLE GRINDER.

The world's first 230mm cordless angle grinder offers you ultimate freedom: Thanks to the revolutionary Metabo LiHD battery pack technology we are exploring new power dimensions which were previously reserved exclusively for powerful mains-powered machines. Completely independent from the power socket you can now cut and rough grind any time and everywhere with the cordless 36 volt machines. The WPB 36 LTX BL 230 Quick is as powerful as a 2,400 watt mains-powered machine and thanks to its encapsulated brushless motor with perfected dust protection, it's extremely robust and durable.

**BRUSHLESS MOTOR**  
Unique encapsulated **Metabo brushless motor** with optimum protection from dust provides quick work progress and the highest efficiency in any application

**Rotating main handle:** offers high safety and better handling when cutting

**FAST BRAKE**  
**Fast brake system for highest user protection:** stops the disc in a matter of seconds after switching off

**QUICK**  
**Metabo Quick System** for tool-free disc change by means of a quick-locking nut

**ELECTRONIC SAFETY CLUTCH**  
**Electronic safety shutdown** reduces kickback if the disc stops unexpectedly- for high user protection

**DEADMAN SWITCH**  
**deadman's switch** for high user protection

**WPB 36 LTX BL 230 Quick**



**Metabo VibraTech (MVT) side handle** to dampen vibrations for the protection of the health; can be mounted in three positions



**Widest range of applications** by means of extremely large cutting depth of 77 mm; 15 % more than a mains-powered angle grinder with 230 mm disc



**The right disc for every application:** large range of Metabo diamond cutting discs as well as cutting and roughing discs

## 36 V



### Technical data

Type of battery pack	Li-Ion / LiHD
Battery pack voltage	36 V
Grinding wheel Ø	230 mm
No-load speed	6,600 /min
Spindle thread	M 14
Weight (including battery pack)	6.1 kg

### Cordless Angle Grinder WPB 36 LTX BL 230 Quick

### Scope of delivery

Order number	613101 <sup>1)</sup> available from autumn 2016
Guard	■
Inner support flange	■
Quick-locking nut	■
Metabo VibraTech (MVT) side handle	■
2 LiHD battery packs (36 V/6.2 Ah)	■
Charger ASC Ultra	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- World's first large angle grinder (Ø 230 mm) with battery pack operation for powerful cutting and roughing independent from the mains power
- Widest range of application thanks to extremely large cutting depth of 77 mm
- Unique encapsulated Metabo brushless motor with optimum protection from dust provides quick work progress and the highest efficiency
- Deadmans switch for high user protection
- Fast brake system for highest user protection stops the disc within a matter of seconds after switching off
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Tool-free adjustable guard; twist-proof
- Rotating main handle: high safety and better handling when cutting
- Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
- Side handle can be mounted in three positions
- Electronic safety shutdown: reduces kickback if the disc stops unexpectedly - for high user protection
- Overload protection, soft start and restart protection
- Battery packs with capacity display for checking the charge status

### System components

Accessories ▶ 118 | Battery packs ▶ 64

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36 V



Technical data	Cordless Combination Hammer KHA 36 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	36 V
Max. single blow energy (EPTA)	3.1 J
Maximum impact rate	4,500 /min
Drill diameter in	
- Concrete with hammer drills	32 mm
- Masonry with core bits	68 mm
- Steel	13 mm
- Soft wood	30 mm
No-load speed	0 - 1,100 /min
Bit retainer	SDS-plus
Weight (including battery pack)	4.9 kg

Scope of delivery

Order number	600795 <sup>1)</sup>
Hammer chuck for tools with SDS-plus shank end	■
Keyless chuck for tools with cylindrical shank	■
Metabo VibraTech (MVT) side handle	■
Drilling depth guide	■
2 Li-Power battery packs (36 V/5.2 Ah)	■
Quick charger ASC 15 »AIR COOLED«	■
Plastic carry case	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Combination hammer for hammer drilling, drilling without impact and chiselling
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Metabo Quick: quick change between SDS Plus hammer chuck and keyless chuck for drilling in wood and metal
- Vario (V)-Electronics for working at customised speeds to suit various application materials
- Forward and reverse rotation
- Metabo S-automatic safety clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly
- Ergonomic housing shape for chiselling tasks without side handle
- Battery packs with capacity display for checking the charge status

System components

Accessories → 271 | Battery packs → 64

36 V



Technical data	Cordless Hedge Trimmer AHS 36 V	Cordless Hedge Trimmer AHS 36-65 V
Type of battery pack	Li-Ion	Li-Ion
Battery pack voltage	36 V	36 V
Runtime per battery charge	50 min	50 min
Cutting strength	18 mm	18 mm
Cutting length	53 cm	63 cm
No of strokes (no load)	2,700 /min	2,700 /min
Weight (including battery pack)	3.9 kg	4.1 kg

Scope of delivery

Order number	602177	602203
Li-Power battery pack (36 V/1.5 Ah)	■	
2 Li-Power battery packs (36 V/1.5 Ah)		■
»AIR COOLED« quick charger ASC Ultra		■
Charger ASC 30-36 V »AIR COOLED«	■	
Storage slipcase	■	■

Product advantages

- The lightest machines amongst professional hedge trimmers in the 36 V class
- Blades with special geometry generate less wear and thus deliver 200% longer service life
- Clean cut thanks to diamond-ground blade teeth on both sides at a30° angle
- Lower safety blade for high safety at work
- Top cutting performance generated by double reduction gearing
- Pleasant to work with thanks to low-vibration run, perfect ergonomics and soft-grip handle
- Safety features include electronic quick stop of the blade (in 0.3 seconds)
- Trigger guard with twig feed protects user and gear from kickbacks
- Battery packs with capacity display for checking the charge status

System components

Accessories → 555 | Battery packs → 64

01  
02  
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14



Battery Packs

LiHD battery packs



LiHD slide-on battery pack

- LiHD battery packs for ultimate performance and extremely long application with minimal temperature generation
- Ultra M technology: Intelligent battery management for long-lasting battery packs with a 3 year guarantee
- Patented »AIR COOLED« charging technology
- Permanent Electronic Single Cell Protection (ESCP) when charging, for particularly long life.
- Processor-controlled charge and discharge management
- capacity display with almost no self-discharge
- No memory effect
- capacity display with almost no self-discharge

Battery pack voltage V	Capacity of battery pack Ah	»AIR COOLED«	Order number
18	3.1	■	625343000*
18	5.5	■	625342000*
18	6.2	■	625341000*
36	6.2	■	625344000*

Li-ion battery pack



Li-ion slide-on battery packs »AIR COOLED«

- Ultra M technology: Intelligent battery management for long-lasting battery packs with a 3 year guarantee
- Patented »AIR COOLED« charging technology
- Permanent Electronic Single Cell Protection (ESCP) when charging, for particularly long life.
- Processor-controlled charge and discharge management
- capacity display with almost no self-discharge
- No memory effect
- capacity display with almost no self-discharge
- Battery pack 36V; 1.5 Ah (625453000): fits only cordless hedge trimmer AHS 36-65V and cordless rotary hammer BHA 36 LTX Compact



Battery pack voltage V	Capacity of battery pack Ah	»AIR COOLED«	Order number
14.4	2.0	■	625595000*
14.4	4.0	■	625590000*
18	1.5	■	625589000*
18	2.0	■	625596000*
18	4.0	■	625591000*
18	5.2	■	625592000*
36	1.5	■	625453000*
36	2.6	■	625583000
36	5.2	■	625529000*



Li-ion battery pack 10.8 V

- Ultra M technology: Intelligent battery management for long-lasting battery packs with a 3 year guarantee
- Permanent Electronic Single Cell Protection (ESCP) when charging, for particularly long life.
- No memory effect
- capacity display with almost no self-discharge
- Excellent environmental properties

Battery pack voltage V	Capacity of battery pack Ah	»AIR COOLED«	Order number
10.8	2.0	■	625438000*
10.8	4.0	■	625585000*
10.8	5.2	■	625597000*

Battery pack voltage V	Capacity of battery pack Ah	»AIR COOLED«	Order number
 <p><b>Li-ion battery pack 7.2 V</b></p> <ul style="list-style-type: none"> <li>■ Ultra M technology: Intelligent battery management for long-lasting battery packs with a 3 year guarantee</li> <li>■ Permanent Electronic Single Cell Protection (ESCP) when charging, for particularly long life.</li> <li>■ No memory effect</li> <li>■ capacity display with almost no self-discharge</li> <li>■ Excellent environmental properties</li> </ul>	1.1	■	625485000*
	2.2	■	625487000*
 <p><b>Li-ion battery packs 25.2 V</b></p> <ul style="list-style-type: none"> <li>■ Ultra M technology: Intelligent battery management for long-lasting battery packs with a 3 year guarantee</li> <li>■ Patented »AIR COOLED« charging technology</li> <li>■ Permanent Electronic Single Cell Protection (ESCP) when charging, for particularly long life.</li> <li>■ Processor-controlled charge and discharge management</li> <li>■ capacity display with almost no self-discharge</li> <li>■ No memory effect</li> <li>■ capacity display with almost no self-discharge</li> <li>■ Excellent environmental properties</li> </ul>	3.0	■	625437000*

Chargers



Charger ASC 30-36 V

- For charging all Li-Power and LiHD slide-on battery packs (14.4 V - 36 V).
- Patented »AIR COOLED« charging technology
- Charging current 3.0 A
- Very low stand-by input power
- Processor-controlled charging management system
- Mains voltage: 230 - 240 V
- Mains frequency: 50 - 60 Hz

Order number  
627044000\*



Quick Charger ASC Ultra

- For charging all Li-Power and LiHD slide-on battery packs (14.4 V - 36 V).
- Patented »AIR COOLED« charging technology
- Charging current 6.5 A
- Very low stand-by input power
- Processor-controlled charging management system
- Charge time approximately 30 minutes at 1.5 Ah; approximately 35 minutes at 4.0 Ah
- Mains voltage: 230 - 240 V
- Mains frequency: 50 - 60 Hz

627265000\*








ASS 15 Plus Quick Charger


- For charging Metabo NiCd battery packs of 24-25.2 V, as well as Li-ion battery packs of 24-25.2 V (Cordless combi hammers KHA 24, cordless magnetic core drills MAG 26 LTX 32)
- »AIR COOLED« function
- »Refresh« function for maintenance of batteries for NiCd battery packs
- Charging current 5 A
- »Refresh« function: with NiCd battery packs, the natural self-discharge can result in the cells in the battery pack having different charging levels. This means that the full battery pack capacity is no longer available for the application. If you notice such an effect, you can restore the full battery back capacity in the »Refresh« mode
- Mains voltage: 230 - 240 V
- Mains frequency: 50 - 60 Hz

627283000\*





\*Self-service packaging

	Order number
 <p><b>Charger LC 40</b>                      ■ For charging Li-ion battery packs 10.8 V                      ■ Charging current 2.3 A                      Mains voltage: 230 - 240 V                      Mains frequency: 50 - 60 Hz</p>	627064000*
 <p><b>Charger LC 60</b>                      ■ For charging Li-ion battery packs 7.2 V                      ■ Charging current 2.4 A                      Mains voltage: 230 - 240 V                      Mains frequency: 50 - 60 Hz</p>	627306000*
 <p><b>AC 30 Plus Charger</b>                      ■ For charging all old (with adapter 627075000) and new Metabo NiCd and NiMH battery packs of 4.8 V - 18 V, as well as the new Li-Ion battery packs of 12 V-18 V                      ■ »AIR COOLED« function                      ■ Charging current 2.5 A                      Mains voltage: 230 - 240 V                      Mains frequency: 50 - 60 Hz</p>	627275000*
 <p><b>Charger C 60</b>                      ■ For charging NiCd battery packs 12 V/1.7 Ah (625472000)                      ■ Charging current 2.2 A                      Mains voltage: 230 - 240 V                      Mains frequency: 50 - 60 Hz</p>	627053000*
 <p><b>Charger 2 hours for Power Grip<sup>2</sup>/ PowerMaxx</b>                      ■ Especially for the Power Grip<sup>2</sup> and PowerMaxx (as spare)                      ■ Charging current 0.7 A                      Mains voltage: 230 - 240 V                      Mains frequency: 50 - 60 Hz</p>	627270000*

Adapter for Battery Packs

	Order number
 <p><b>Adapter</b>                      ■ For inserting older battery packs (starting 1981, models 1 and 2) into the new »AIR COOLED« chargers.                      Also for inserting »AIR COOLED« batteries into older chargers</p>	627075000*







Basic Sets Battery Packs with Charger

	Order number
 <p><b>Basic set 10.8 V / 2 x 2.0 Ah</b>                      2 x battery pack 10.8 V/2.0 Ah                      Charger LC 40</p>	685066000
 <p><b>Basic set 10.8 V / 1 x 2.0 Ah / 1 x 5.2 Ah</b>                      1 x battery pack 10.8 V/2.0 Ah                      1 x battery pack 10.8 V/5.2 Ah                      Charger LC 40</p>	685067000
 <p><b>Basic Set 2 x 4.0 Ah</b>                      2 x Li-Power battery pack 18 V/4.0 Ah                      Charger ASC 30-36 V</p>	685050000
<p><b>Basic Set 3 x 4.0 Ah</b>                      3 x Li-Power battery pack 18 V/4.0 Ah                      Charger ASC 30-36 V</p>	685049000
<p><b>Basic Set 2 x 5.2 Ah</b>                      2 x Li-Power battery pack 18 V/5.2 Ah                      Charger ASC 30-36 V</p>	685051000
<p><b>Basic Set 2 x 5.2 Ah</b>                      3 x Li-Power battery pack 18 V/5.2 Ah                      Charger ASC 30-36 V</p>	685048000
<p><b>Basic set 3 x 5.2 Ah ASC Ultra</b>                      3 x Li-Power battery pack 18 V/5.2 Ah                      Charger ASC Ultra</p>	685061000
<p><b>Basic Set 3 x LiHD 3.1 Ah</b>                      3 x LiHD battery pack 18 V/3.1 Ah                      Charger ASC 30-36 V</p>	685076000
<p><b>Basic Set 3 x LiHD 5.5 Ah</b>                      3 x LiHD battery pack 18 V/5.5 Ah                      Charger ASC 30-36 V</p>	685074000
<p><b>Basic set 2 x 4.0 Ah + Metaloc</b>                      2 x Li-Power battery pack 18 V/4.0 Ah                      Charger ASC 30-36 V                      Metaloc II</p>	685064000
<p><b>Basic set 3 x 4.0 Ah + Metaloc</b>                      3 x Li-Power battery pack 18 V/4.0 Ah                      Charger ASC 30-36 V                      Metaloc II</p>	685063000
<p><b>Basic set 2 x 5.2 Ah + Metaloc</b>                      2 x Li-Power battery pack 18 V/5.2 Ah                      Charger ASC 30-36 V                      Metaloc II</p>	685065000
<p><b>Basic set 3 x 5.2 Ah + Metaloc</b>                      3 x Li-Power battery pack 18 V/5.2 Ah                      Charger ASC 30-36 V                      Metaloc II</p>	685062000
<p><b>Basic set 3 x 5.2 Ah ASC Ultra + Metaloc</b>                      3 x Li-Power battery pack 18 V/5.2 Ah                      Charger ASC Ultra                      Metaloc II</p>	685068000
 <p><b>Basic set 2 x LiHD 3.1 Ah + Metaloc</b>                      2 x LiHD battery pack 18 V/3.1 Ah                      Quick Charger ASC Ultra                      Metaloc II</p>	685078000
<p><b>Basic set 3 x LiHD 3.1 Ah + Metaloc</b>                      3 x LiHD battery pack 18 V/3.1 Ah                      Charger ASC 30-36 V                      Metaloc II</p>	685075000
<p><b>Basic set 2 x LiHD 5.5 Ah + Metaloc</b>                      2 x LiHD battery pack 18 V/5.5 Ah                      Quick Charger ASC Ultra                      Metaloc II</p>	685077000
<p><b>Basic set 3 x LiHD 5.5 Ah + Metaloc</b>                      3 x LiHD battery pack 18 V/5.5 Ah                      Charger ASC 30-36 V                      Metaloc II</p>	685069000
<p><b>Basic set LiHD 1 x 3.1 + 1 x 5.5 Ah + Metaloc</b>                      1 x LiHD battery pack 18 V/3.1 Ah + 1 x LiHD battery pack 18 V/5.5 Ah                      Quick charger ASC 30-36V                      Metaloc II</p>	685079000



Accessories for »Quick« Drills and Drills/Screwdrivers

	Order number
 <p><b>PowerX3 torque attachment</b></p> <ul style="list-style-type: none"> <li>The torque attachment enables the power of the tool (torque) to be tripled to handle tough jobs</li> <li>Suitable for all Metabo cordless drills/screwdrivers, cordless impact drills and drills with Metabo »Quick«-quick change system in combination with 43 mm collet</li> <li>Standard equipment incl. bit (1 x TX 50) and intermediate piece for adjusting the handle length</li> <li>Bit retainer with 1/2" male square and 1/4" (6.35 mm) female hexagon socket</li> </ul> <p>Attention: Use the PowerX3 in conjunction with the following tools only and using the stipulated length of the handle depending on the torque: all cordless drill/screwdrivers and LTX »Quick« impact drills as well as BE 75 Quick drill: 640 mm handle length; BE 1300 Quick drill: 380 mm handle length.</p>	627256000
 <p><b>Quick change geared chuck »Quick«</b></p> <ul style="list-style-type: none"> <li>Simple, fast and convenient chuck change thanks to the Metabo Quick change system</li> <li>Impact-proof version; suitable for clockwise and anti-clockwise rotation</li> <li>Maximum opening: 1.5 - 13 mm</li> <li>Suitable for all Metabo »Quick« machines</li> </ul>	627238000*
 <p><b>Quick change chuck Futuro Plus S 1 M, »Quick«</b></p> <ul style="list-style-type: none"> <li>Simple, fast and convenient chuck change thanks to the Metabo Quick change system</li> <li>Stable model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation</li> <li>Maximum opening: 1.5 - 13 mm</li> <li>Suitable for all Metabo »Quick« machines</li> </ul>	627240000*
 <p><b>Quick change chuck Futuro Plus H 1 R+L, »Quick«</b></p> <ul style="list-style-type: none"> <li>Simple, fast and convenient chuck change thanks to the Metabo Quick change system</li> <li>Model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation</li> <li>Maximum opening: 1.0 - 10 mm</li> <li>Suitable for all Metabo »Quick« machines</li> </ul>	627259000*
<p><b>NEW</b></p>  <p><b>Quick change threaded chuck Futuro Plus H 1 R+L, »Quick«</b></p> <ul style="list-style-type: none"> <li>Keyless chuck inserting taps with square and cylindrical shanks</li> <li>Simple, fast and convenient chuck change thanks to the Metabo Quick change system</li> <li>Model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation</li> <li>Clamping width: 1.5-13 mm; drill chuck with square holder, side wall 6.3 mm/ 8.1 mm</li> <li>Suitable for taps up to size M12</li> <li>Suitable for all Metabo »Quick« machines</li> </ul>	627237000*
 <p><b>Quick change bit holder »Quick«</b></p> <ul style="list-style-type: none"> <li>Simple, fast and convenient change of the bit holder thanks to the Metabo Quick change system</li> <li>Chuck suitable for bits with 1/4" external hexagonal drive according to DIN 3126- C 6.3 and E 6.3</li> <li>Suitable for all Metabo »Quick« machines</li> </ul>	627241000*
 <p><b>Quick change angle adapter »Quick«</b></p> <ul style="list-style-type: none"> <li>Quick and comfortable fixing of angle adapter without tools</li> <li>Quick spindle for fixing the quick change angle adapter 627240000 and bit holder 627241000</li> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Suitable for forward and reverse rotation</li> <li>Suitable for cordless machines up to a maximum of 110 Nm</li> <li>Suitable for all Metabo »Quick« machines with collet Ø 43 mm</li> </ul>	627242000*
 <p><b>Quick change angle adapter »Quick«</b></p> <ul style="list-style-type: none"> <li>Quick and comfortable fixing of angle adapter without tools</li> <li>Quick spindle for fixing the quick change angle adapter 627240000 and bit holder 627241000</li> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Suitable for forward and reverse rotation</li> <li>Suitable for cordless machines up to a maximum of 100 Nm</li> <li>Suitable for all Metabo LT »Quick« models (from year of construction 02/2013)</li> </ul>	627077000*
 <p><b>Quick change angle adapter »Quick«</b></p> <ul style="list-style-type: none"> <li>For drilling and fixing screws in hard to reach places</li> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>Suitable for forward and reverse rotation; up to max. 28 Nm</li> <li>Especially for PowerMaxx BS Quick and BS 18 Quick</li> </ul>	627261000*

Accessories for PowerGrip / PowerMaxx

	Order number
 <p><b>Screw-type angle attachment for PowerMaxx</b></p> <ul style="list-style-type: none"> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>For forward and reverse rotation; suitable for PowerMaxx to a maximum of 16 Nm</li> </ul> <p>For fixing screws more easily at locations difficult to reach Specially for PowerMaxx (7.2V)</p>	630650000*
 <p><b>Geared chuck</b></p> <p>With hexagonal shank 1/4" (6.35 mm), bit retaining bush and chuck key Span width = 0.5 - 6.5 mm</p>	635100000*
 <p><b>Adapter</b></p> <ul style="list-style-type: none"> <li>Adapter with hexagonal shank KW 6.3 and 1/2"-20 UNF</li> <li>For inserting a chuck (e.g. 636623000) in the screw-type angle attachment for the PowerMaxx 630650000</li> </ul> <p>For use in a chuck in combination with the screw-type angle attachment. Thus allowing the PowerMaxx Li to also be used as an angle drill.</p>	625226000*
 <p><b>Screw-type angle attachment for PowerMaxx 12</b></p> <ul style="list-style-type: none"> <li>Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>Gears made of special steel</li> <li>For forward and reverse rotation; suitable for PowerMaxx to max. 28 Nm</li> </ul> <p>For fixing screws more easily in difficult to reach locations Especially for PowerMaxx 12/ BS (type no. 600090; 600091; 600092)</p>	630649000*
 <p><b>Keyless chuck Futuro Plus H1, R+L, 1-10 mm, 1/2" UNF</b></p> <ul style="list-style-type: none"> <li>Special design for drills with spindle stop</li> <li>Plastic sleeve</li> <li>Single sleeve without supporting ring</li> </ul> <p>Clamping width: 1 - 10 mm Female thread: 1/2" - 20 UNF External-Ø: 40 mm Length (closed): 49 mm Weight: 0.15 kg</p>	636219000*
 <p><b>Futuro Plus H1 M keyless chuck</b></p> <ul style="list-style-type: none"> <li>Special design for drills with spindle stop</li> <li>Single sleeve (without supporting ring)</li> </ul> <p>Clamping width: 0.8 - 6.5 mm Female thread: 1/2" - 20 UNF External-Ø: 34 mm Length (closed): 57 mm Weight: 0.14 kg</p>	636623000*

Accessories for Cordless Multi-Tool

Assortments for multi-tool	
	Order number
 <p><b>Tilers Set</b></p> <ul style="list-style-type: none"> <li>Tiler's set for varied renovation and conversion applications, such as removal of mortar or tile adhesive, removal of grout in wall and floor tiles, cutting of smaller cut-outs in soft wall tiles</li> <li>Set comprising: 1 x carbide segment saw blade 85 mm (tiles), 1 x carbide triangular sanding pad 78 mm (tiles), 1 x scraper rigid 52 mm HCS, 1 x plunge saw blade 32 mm BiM (metal)</li> </ul>	626419000*
 <p><b>Interior Finishing Set</b></p> <ul style="list-style-type: none"> <li>Interior conversion set for varied floor and installation applications, such as cutting of laminate/parquet, shortening door frames at floor level, plunge cuts in coated boards, wood, cutting of apertures in furniture elements</li> <li>Set comprising: 1 x plunge saw blade 32 mm HCS (wood), 1 x segment saw blade 85 mm BiM (wood + metal), 1 x scraper rigid 52 mm HCS, 1 x plunge saw blade 32 mm BiM (metal)</li> </ul>	626420000*

\*Self-service packaging

Hook and loop sanding sheets for wood and metal, »professional« series



hook and loop sanding sheets 93 x 93 mm, 6 holes

- High-quality sanding paper with semi-open coarseness and high removal of material for a homogenous finish
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- For sanding veneered cabinet fronts and sides, sanding furniture covered with veneers with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal

Dimensions mm	Grit	Sales unit	Order number
93 x 93	P 40	5	624940000*
93 x 93	P 60	5	624941000*
93 x 93	P 80	5	624942000*
93 x 93	P 100	5	624943000*
93 x 93	P 120	5	624944000*
93 x 93	P 180	5	624945000*
93 x 93	P 240	5	624946000*
93 x 93	P 320	5	624947000*
93 x 93	P 40	25	624980000
93 x 93	P 60	25	624981000
93 x 93	P 80	25	624982000
93 x 93	P 100	25	624983000
93 x 93	P 120	25	624984000
93 x 93	P 180	25	624985000
93 x 93	P 240	25	624986000
93 x 93	P 320	25	624987000

Hook and loop sanding sheets for paints and lacquers, »professional« series



hook and loop sanding sheets 93 x 93 mm, 6 holes

- High-quality sanding paper with semi-open coarseness and high removal of material
- Suitable for working with paints and lacquers of all types and filler compounds
- For deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

Dimensions mm	Grit	Sales unit	Order number
93 x 93	P 40	25	625681000
93 x 93	P 60	25	625682000
93 x 93	P 80	25	625683000
93 x 93	P 100	25	625684000
93 x 93	P 120	25	625685000
93 x 93	P 180	25	625686000
93 x 93	P 240	25	625687000
93 x 93	P 320	25	625688000

hook and loop abrasive nylon web, corundum abrasive



hook and loop abrasive nylon web, corundum abrasive

- Used for structuring wood (applying a rustic appearance), for removing rust from metal and for sanding paints (tarnishing)

Dimensions mm	Grit	Order number
93 x 93	P 100	624958000*
93 x 93	P 280	624959000*

\*Self-service packaging

Additional accessories for multi-tool



Triangular sanding plate

- Perforated hook and loop base-plate
- Quick, easy change of the sanding sheets
- For multi-tool MT 18 LTX. Dimension from corner to corner: 93 mm

Order number  
626421000\*

Accessories for Cordless Caulking Gun

Cartridge Tube



400 ml Cartridge tube

- Cartridge tube 400 ml incl. rack and push plate for standard foil bags and cartridges

Order number  
630148000\*

Accessories for the Cordless Site Spotlight

Tripod



Tripod for cordless site spotlight

- Telescopic legs with quick locking and additional central telescopic extension
- Stable support thanks to non-slip rubberised feet, tripod feet secured together with chains
- Easy to transport thanks to carry strap and bag

Working height: 85 cm – 173 cm  
Connecting thread: 1/4" + 5/8"  
Weight: 5 kg

Order number  
623729000



Construction tripod

- Multi-purpose aluminium construction tripod
- Ideal for working on the cutting check line
- Telescopic legs with quick locking and anti-splay stop
- Geared column with metric gauge for fine adjustment of height
- Removable tripod head for convenient setup
- Good stability thanks to non-slip rubber feet
- Adapter for connecting different devices
- Easy to transport thanks to carry strap and bag

Working height: 74 cm – 192 cm  
Working height including extension piece: up to 265 cm  
Connecting thread: 1/4" + 5/8"  
Weight: 5 kg

628791000

Protective screen



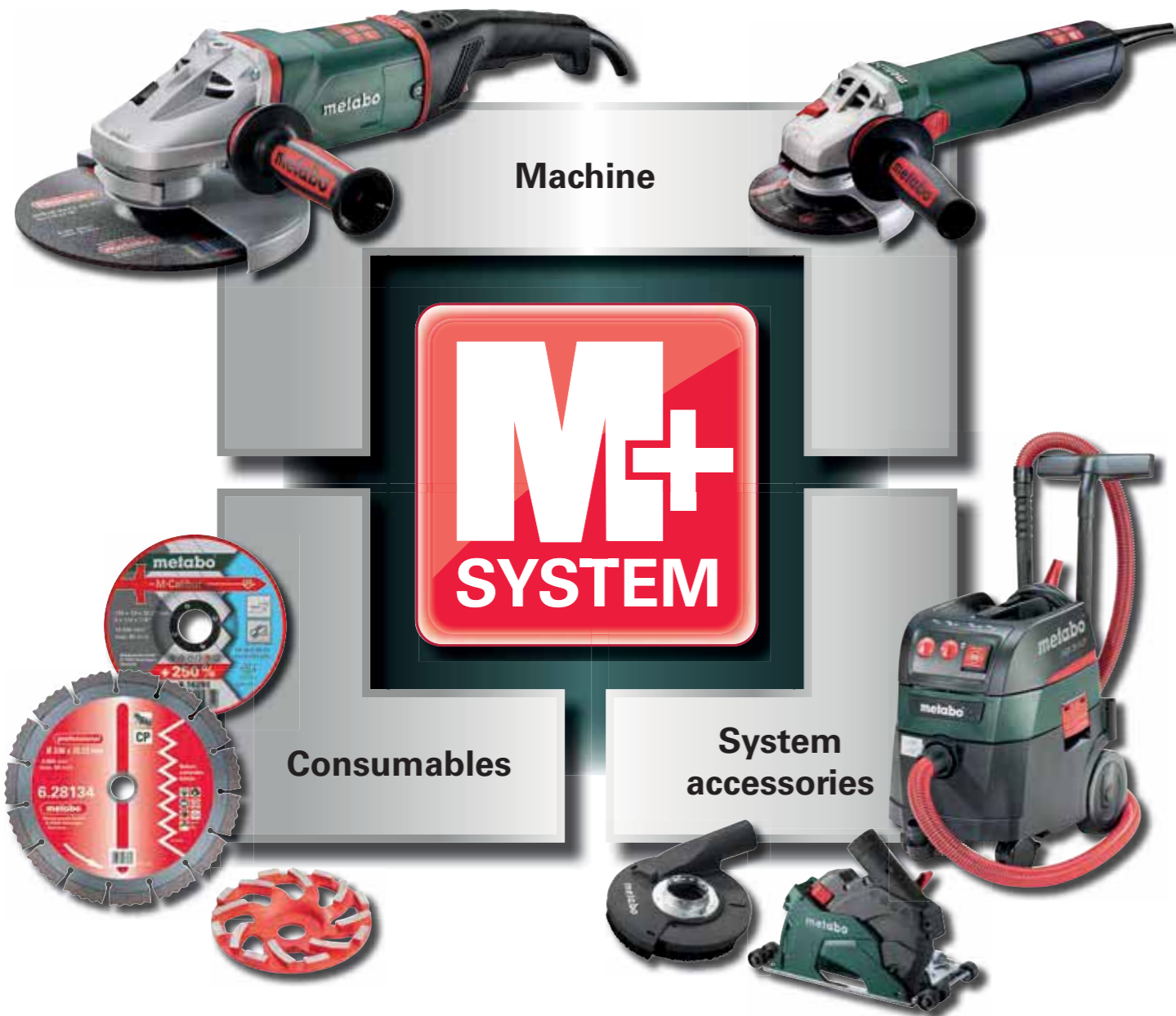
Protective screen, matt

- Replacement protective screen for cordless site light
- Suitable for cordless site light with order no. 602111010 and 602122850

Order number  
623569000\*

# M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR MAXIMUM PERFORMANCE.

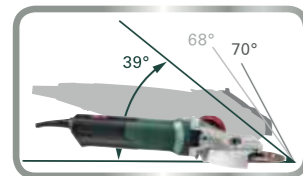
Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum performance when cutting, roughing or polishing thanks to Metabo + System effect.



## Angle Grinders Angle Polishers

# FLAT-HEAD ANGLE GRINDERS: ULTRA-POWERFUL PROBLEM SOLVERS FOR ACUTE ANGLES: DOWN TO 39°!

The ultra-powerful and safe problem solvers for acute angles: With our flat-head angle grinders we offer you productive, safe and compact solutions for any application in tight spaces and in angular fabrications down to 39 degrees - from continuous industrial use to filigree processing of stainless steel. Thanks to strong Marathon motors providing power up to 1,550 Watts, you work up to 70 percent faster than using standard methods - and this with maximum user protection.



**Extremely flat gear head** for particularly acute angles down to 39°

**Fastest brake system** for highest user protection: patented, mechanical disc brake stops the disc within 2 seconds after switching off, even in the event of a power cut



**Paddle switch with dead man function** safe to operate due to an ergonomically integrated non-slip switch



**Powerful Metabo Marathon motor**

- Up to 50 % more torque
- up to 20% higher overload capacity
- for quicker material removal and longer service life

WEPPBF 15-150 Quick



**Electronic safety shutdown** reduces kickback if the disc stops unexpectedly- for high user protection



**Flexiamant Super Convex CER**      **Flexiamant Super FKS Inox**

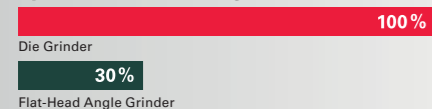
We have developed precisely adapted accessories for even better finished results on particular applications.

With the flat-head angle grinder you work ...



... more quickly than with die grinders

up to 70% time saving



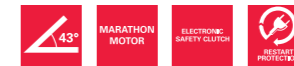
... more quickly than with wire brushes



... more safely than without a protective guard



Ø 125 mm



**Technical data**

	Flat-Head Angle Grinder WEF 9-125 Quick	Flat-Head Angle Grinder WEPF 9-125 Quick
Minimum accessible angle	43 °	43 °
Grinding wheel Ø	125 mm	125 mm
Rated input power	910 W	910 W
Output power	430 W	430 W
No-load speed	10,000 /min	10,000 /min
Revolutions at rated load	8,200 /min	8,200 /min
Torque	2 Nm	2 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.1 kg	2.1 kg
Cable length	4 m	4 m

**Scope of delivery**

Order number	613060 <sup>1)2)</sup>	613069 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
Quick adjusting nut	■	■
Side handle	■	■
1 Flap disc Flexiamant Super Convex (125 mm; P60)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

**Product advantages**

- Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch
- Most compact flat-head angle grinder for working at acute angles down to 43°
- Particularly developed for the removal of weld slag, rust or paint in narrow frame constructions and for working in tight spaces
- Metabo Marathon motor with patented dust protection for long service life
- Constamatic (C)-Full wave electronics: fast work progress by means of almost constant speed under load
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Tool-free adjustable guard; twist-proof
- Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
- Electronic overload protection, soft start and restart protection
- Auto-stop carbon brushes to protect the motor

**System components**

Accessories ▶ 79

Ø 125 mm



Technical data	Flat-Head Angle Grinder WEVF 10-125 Quick Inox	Flat-Head Angle Grinder WEF 15-125 Quick
Minimum accessible angle	43 °	43 °
Grinding wheel Ø	125 mm	125 mm
Rated input power	1,000 W	1,550 W
Output power	590 W	940 W
No-load speed	2,000 - 7,600 /min	11,000 /min
Revolutions at rated load	6,300 /min	11,000 /min
Torque	3.5 Nm	3.5 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.3 kg	2.7 kg
Cable length	4 m	4 m

Scope of delivery	613080 <sup>1)</sup>	613082
Order number	613080 <sup>1)</sup>	613082
Guard	■	■
Inner support flange	■	■
Quick adjusting nut	■	■
Side handle	■	■
Side handle Metabo VibraTech (MVT)		■
1 Flap disc Flexiamant Super Convex (125 mm; P60)	■	■
1 Roughing Disc Flexiamant Super FKS 60 (125x4 mm; P60)		■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- The most easy-to-handle flat-head angle grinder with speed regulation for perfect processing of stainless steel e.g. railings and hand rails
  - Thumbwheel controlled Vario-Constamatic (VC)-Full wave electronics ideal for working on materials requiring customised speeds, and at speeds which remain almost constant under load
  - Powerful flat-head angle grinder for working quickly in acute angles down to 43°
  - Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
  - Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
  - Particularly developed for the removal of weld slag, rust or paint in narrow frame constructions and for working in tight spaces
  - New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
  - Electronic overload protection, soft start and restart protection
  - Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
  - Auto-stop carbon brushes to protect the motor

**System components**  
 Accessories ▶ 79

Ø 150 mm



Technical data	Flat-Head Angle Grinder WEF 15-150 Quick	Flat-Head Angle Grinder WEPBF 15-150 Quick
Minimum accessible angle	39 °	39 °
Grinding wheel Ø	150 mm	150 mm
Rated input power	1,550 W	1,550 W
Output power	940 W	940 W
No-load speed	9,600 /min	9,600 /min
Revolutions at rated load	9,600 /min	9,600 /min
Torque	3.9 Nm	3.9 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.7 kg	2.9 kg
Cable length	4 m	4 m

Scope of delivery	613083 <sup>1)</sup>	613085 <sup>1) 2)</sup>
Order number	613083 <sup>1)</sup>	613085 <sup>1) 2)</sup>
Guard	■	■
Inner support flange	■	■
Quick adjusting nut	■	■
Side handle Metabo VibraTech (MVT)	■	■
1 Flap disc Flexiamant Super Convex (150 mm; P60)	■	■
1 Roughing disc Flexiamant Super FKS 60 (150x4 mm; P60)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

- Product advantages**
- Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch
  - Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc after switching off within 2 seconds, even in the event of a power cut
  - Powerful flat-head angle grinder for working quickly in particularly acute angles down to 39°
  - Particularly developed for the removal of weld slag, rust or paint in narrow frame constructions and for working in tight spaces
  - Maximum cutting depth by means of a 150 mm diameter disc
  - New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
  - Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
  - Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly
  - Electronic overload protection, soft start and restart protection
  - Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
  - Auto-stop carbon brushes to protect the motor

**System components**  
 Accessories ▶ 79



Ø 125 mm



Technical data

Cordless Flat-Head Angle Grinder WF 18 LTX 125 Quick

Type of battery pack	Li-Ion / LiHD
Capacity of battery pack	5.2 Ah
Battery pack voltage	18 V
Minimum accessible angle	43 °
Grinding wheel Ø	125 mm
No-load speed	8,000 /min
Spindle thread	M 14
Weight (including battery pack)	2.4 kg

Scope of delivery

Order number	601306 <sup>1)</sup>
1 Flap disc Flexiamant Super Convex (125 mm; P60)	■
Guard	■
Inner support flange	■
Nut with two holes	■
Quick adjusting nut	■
Side handle	■
Dust filter	■
Flat-pin spanner	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
Plastic carry case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages


- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Extremely flat gear head permits working at acute angles down to 43°
- Compact design for quick removal of welding slag, rust or paint in tight places e.g. frame constructions
- Low-fatigue working even on difficult to access weld seams thanks to slim handle
- Robust motor for long service life
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Battery packs with capacity display for checking the charge status

System components



Accessories → 79

Battery packs → 64

Grinding discs

	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	<b>Quality class A 46 P "Flexiamant Super FKS" Inox</b> <ul style="list-style-type: none"> <li>■ Special roughing disc for processing fillet welds in stainless steel and steel, thanks to its capability to produce a high degree of fineness. Other application examples: Processing of weld seams, deburring, grinding of corners and edges</li> <li>■ Particularly suited for forward working with the Metabo flat-head angle grinders</li> <li>■ Clean cut with high material removal ensures excellent cutting output</li> <li>■ Different grain levels can be selected - additional fine grinding can consequently be omitted</li> <li>■ The roughing disc has a sectioned rim, therefore best-suited for the individual processing of the material</li> <li>■ Suitable for rust and acid resistant steels (V2A, Nirosta, INOX), highly solid, high-alloy steels, hardened steels, construction steels, grey cast iron</li> <li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)/hardness: medium</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 46 P / 40	125 x 4 x 22.23	—	12.200	1/25	616197000
	A 46 P / 60	125 x 4 x 22.23	—	12.200	1/25	616198000
	A 46 P / 40	150 x 4 x 22.23	—	10.200	1/25	616199000
	A 46 P / 60	150 x 4 x 22.23	—	10.200	1/25	616200000

Flap disc

	Diameter x bore mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	<b>Quality class ceramics "Flexiamant Super Convex"</b> <ul style="list-style-type: none"> <li>■ Specially shaped flap disc with lamellae that are rounded off towards the outer edges.</li> <li>■ Thanks to the special design it is particularly suited for processing fillet welds; making faster and more efficient processing possible; also suitable for surface grinding</li> <li>■ Very high cutting output with very high tool life thanks to the use of ceramic grain.</li> <li>■ Cool cut for materials with poor thermal conduction</li> <li>■ For grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li> <li>■ Uniform grinding finish, comfortable grinding with only low vibrations</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	125 x 22.23	P 60	—	12.200	1/10	626460000
	125 x 22.23	P 80	—	12.200	1/10	626461000
	150 x 22.23	P 60	—	10.200	1/10	626488000
	150 x 22.23	P 80	—	10.200	1/10	626489000
	<b>Quality class zirconia alumina »Flexiamant Convex«</b> <ul style="list-style-type: none"> <li>■ Specially shaped flap disc with lamellae that are rounded off towards the outer edges.</li> <li>■ Grinding media: Zirconia alumina</li> <li>■ Thanks to the special design it is particularly suited for processing fillet welds; making faster and more efficient processing possible; also suitable for surface grinding</li> <li>■ High cutting output with very high tool life thanks to the use of zirconia alumina</li> <li>■ Suitable for processing stainless steel and steel</li> <li>■ Uniform grinding finish, comfortable grinding with only low vibrations</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	125 x 22.23	P 40	—	12.200	1/10	626462000
	125 x 22.23	P 60	—	12.200	1/10	626463000
	125 x 22.23	P 80	—	12.200	1/10	626464000
	150 x 22.23	P 40	—	10.200	1/10	626490000
	150 x 22.23	P 60	—	10.200	1/10	626491000
150 x 22.23	P 80	—	10.200	1/10	626492000	



Steel-wire wheel brushes, twisted steel



- For universal use in metal processing, e.g. for processing of profiles, cutting edges, gear wheels, grooves, smoothing welding seams and points, stripping slag, scales and old paint
- Especially suitable for processing narrow workpieces as well as inner edges
- Edging type: twisted steel wire
- Offset version; 626815000 and 626816000: plait thickness 6.0 mm

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit / packaging unit	Order number
125	M 14	0.50 mm	12.500	1/1	626815000*
150	M 14	0.50 mm	10.000	1/1	626816000*

Flap wheels



Quality class ceramics »Flexiamant Super«

- Flap wheel with straight, profiled lamellae particularly suited for processing fillet welds. The profiled lamellae, arranged radially in the shape of a fan, adapt exceptionally well to the contours of the work piece. Ideally suited for an evenly smooth weld seam. Thanks to the offset shape it can also be used at hard to reach places.
- Very high cutting output with very high tool life thanks to the use of ceramic grain.
- Excellent results for surface and edge grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.
- Cool cut for materials with poor thermal conduction
- Max. speed: 10,000 /min

Diameter mm	Thickness mm	Female thread	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order number
125	8	M 14	P 40		10.000	1/5	626470000
125	8	M 14	P 60		10.000	1/5	626471000
125	8	5/8 "	P 40		10.000	1/5	626486000
125	8	5/8 "	P 60		10.000	1/5	626487000

Fleece compact grinding discs »Unitized« - VKS-ZK



- Several layers of pressed fleece material, soaked with resin-bonded abrasive grain (zirconia alumina)
- The addition of abrasive grain covers a range of applications from deburring to soft and flexible finishing jobs. It is suited for deburring, smoothing of weld seams, precise cleaning and finishing of surfaces.
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels
- The profile of the grinding media permits precise working. Minimal processing depth required. Bore of 22.23 mm (for angle grinder). Max.10,000 /min; recommended speed: 3,000 /min

Diameter x thickness x bore mm	Grit	Sales unit	Order number
125 x 6 x 22.23	Coarse	1	626482000
125 x 6 x 22.23	medium	1	626483000

Cutting Blade Guards



Cutting blade guard 125 mm

For working with cutting discs, diameter: 125 mm diameter, suitable for the flat heat angle grinders  
Grinding disc Ø: 125 mm  
suitable for: WEF 9-125 / WF 18 LTX 125

Order number

630355000



Cutting blade guard 125 mm

For working with cutting discs, diameter: 125 mm diameter, suitable for the flat heat angle grinders  
WEF 15-125 Quick, WEVF 10-125 Quick  
Grinding disc Ø: 125 mm  
suitable for: WEF 15-125 Quick, WEVF 10-125 Quick

630372000



Cutting blade guard 150 mm

For working with cutting discs, diameter: 150 mm, suitable for the flat-head angle grinder WEF 15-150 Quick, WEPF 15-150 Quick, WEPBF 15-150 Quick  
Grinding disc Ø: 150 mm  
suitable for: WEF 15-150 Quick, WEPF 15-150 Quick, WEPBF 15-150 Quick

630378000

Support handles for angle grinders



Multiple position bar for side handle

- The 180° bar permits variable individual adjustment of the side handle position for ergonomic, low-fatigue working e.g. for cutting jobs or for left-handed users
- The side handle can be adjusted without tools for changing working positions
- The robust hexagon shape permits folding the side handle to the rear for safe, two-handed operation in confined spaces
- Suitable for W..9-1.; WEV 10-125; W..12-1.; WE15-1.; WE..17-1.; W..8-1.; WE9-125; W..11-1.; WEQ 1400-125; WE14-1..

Order number

627362000



Dust protection filter



- The fine mesh filter prevents coarse particles from entering the motor housing, such as e.g. aluminium shavings, abrasive cloth of fibre discs, accumulations of polishing paste or pieces of rock. Using the filter during these applications increases the service life of the machine.
- Quick and 100% cleaning of the filter thanks to outside dust grille. The smooth surface, without disturbing edges, corners or ridges prevents the formation of dust accumulation.
- Simple, tool-free installation and removal of the filter thanks to mounting hook for the air vents

Dust protection filter for all angle grinders W12-1xx to WE 17-1xx with standard switch

Order number

630791000

Dust protection filter for all angle grinders WP12-1xx to WEP 17-1xx with paddle switch

630792000

# THE BRUSHLESS CORDLESS COMPACT ANGLE GRINDER: POWERFUL AND ENDURING.

The cordless angle grinders from Metabo impress with excellent cordless technology combined with impressive performance. The combination of enclosed brushless motor and the new LiHD battery pack technology make the new cordless compact angle grinder the strongest and most enduring machine of its kind.

Smallest handle circumference of only 165 mm for low-fatigue working and safe ergonomic fit

Unique enclosed Metabo brushless motor with optional dust protection for quick work progress and highest efficiency

BRUSHLESS MOTOR

ELECTRONIC SAFETY CLUTCH

Electronic safety shutdown reduces kickback if the disc stops unexpectedly- for high user protection

2 SEC FAST BRAKE

Fastest brake system with safety spindle for highest user protection stops the disc within 2 seconds after switching off

QUICK

Metabo »Quick« for changing saw blades without tools thanks to quick clamping nut

Rotating battery pack allows you to get into tight spaces Permits comfortable and practical working for a range of applications and especially in hard to reach places.



WPB 18 LTX BL 125 Quick

With LiHD battery pack: Productivity like a mains-powered device.

Metabo cordless angle grinder with LiHD battery pack vs. mains-powered machine: cutting speed in mm/s (sheet steel, 4 mm)



WPB LTX BL 125 Quick

**4,1 mm/s**

W 9-125 Quick

**4,2 mm/s**

Ø 115 mm  
Ø 125 mm



Technical data	Cordless Angle Grinder W 18 LTX 115 Quick	Cordless Angle Grinder W 18 LTX 125 Quick	Cordless Angle Grinder WP 18 LTX 125 Quick
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V
Grinding wheel Ø	115 mm	125 mm	125 mm
No-load speed	8,000 /min	8,000 /min	8,000 /min
Spindle thread	M 14	M 14	M 14
Weight (including battery pack)	2.4 kg	2.4 kg	2.4 kg

Scope of delivery	602170 <sup>1)</sup>	602174	613072
Guard	■	■	■
Inner support flange	■	■	■
Quick adjusting nut	■	■	■
Side handle	■	■	■
Dust filter	■	■	■
2 Li-Power battery packs (18 V/5.2 Ah)		■	■
Charger ASC 30-36 V »AIR COOLED«		■	■
Plastic carry case		■	■
MetaLoc case insert	■		
without battery pack, without charger	■		

<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- Slim design for prolonged comfort when working overhead or in areas with limited space
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better working in hard to reach places.
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Detachable dust filter protects motor from coarse particles
- Battery packs with capacity display for checking the charge status
- Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch

### System components

Accessories → 118 | Battery packs → 64

Ø 125 mm



Technical data	Cordless Angle Grinder WB 18 LTX BL 125 Quick	Cordless Angle Grinder WPB 18 LTX BL 125 Quick
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Grinding wheel Ø	125 mm	125 mm
No-load speed	9,000 /min	9,000 /min
Spindle thread	M 14	M 14
Weight (including battery pack)	2.6 kg	2.6 kg

Scope of delivery	613077	613075
Order number	613077	613075
Guard	■	■
Inner support flange	■	■
Quick adjusting nut	■	■
Side handle	■	■
Dust filter	■	■
2 LiHD battery packs (18 V/5.5 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

- Product advantages**
- Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch
  - Unique encapsulated Metabo brushless motor with optimum protection from dust provides quick work progress and the highest efficiency for any application
  - Slim design for prolonged comfort when working overhead or in areas with limited space
  - Fast brake system with safety spindle for highest user protection: stops the disc within 2 seconds after switching off and prevents the nut from coming loose during the braking process
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Battery pack can be swivelled for better working in hard to reach places.
  - Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Detachable dust filter protects motor from coarse particles
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories ▶ 118 | Battery packs ▶ 64

Ø 125 mm  
Ø 150 mm



Technical data	Cordless Angle Grinder W 18 LTX 125 Quick Inox	Cordless Angle Grinder W 18 LTX 150 Quick	Cordless Angle Grinder WB 18 LTX BL 150 Quick
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V
Grinding wheel Ø	125 mm	150 mm	150 mm
No-load speed	5,000 /min	8,000 /min	8,000 /min
Spindle thread	M 14	M 14	M 14
Weight (including battery pack)	2.4 kg	2.4 kg	2.6 kg

Scope of delivery	600174 <sup>1)</sup>	600404 <sup>1)</sup>	613078
Order number	600174 <sup>1)</sup>	600404 <sup>1)</sup>	613078
Cutting guard clip		■	
Guard	■	■	■
2 Flexiarapid Inox cutting discs (150x1.6x22.2 mm)		■	
Inner support flange	■	■	■
Quick adjusting nut	■	■	■
Side handle	■	■	■
Dust filter	■	■	■
2 Li-Power battery packs (18 V/5.2 Ah)		■	
Charger ASC 30-36 V »AIR COOLED«		■	
Plastic carry case		■	
(without battery pack, without charger)	■		■








<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Speed and torque precisely configured for stainless steel processing, ensuring a cool grinding action with perfect finish
  - Battery packs with capacity display for checking the charge status
  - World's first 150 mm cordless angle grinder for powerful cutting up to 45 mm deep.
  - Battery packs with capacity display for checking the charge status
  - Unique encapsulated Metabo brushless motor with optimum protection from dust provides quick work progress and the highest efficiency for any application
  - Fast brake system with safety spindle for highest user protection: stops the disc within 2 seconds after switching off and prevents the nut from coming loose during the braking process
  - Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
  - Slim design for prolonged comfort when working overhead or in areas with limited space
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Tool-free adjustable guard; twist-proof
  - Battery pack can be swivelled for better working in hard to reach places.
  - Electronic overload protection, soft start and restart protection
  - Detachable dust filter protects motor from coarse particles

**System components**

Accessories ▶ 118 | Battery packs ▶ 64





# OVERVIEW OF APPLICATION AREAS AND PRODUCT BENEFITS

Model	Rated input power	Particular product advantages		Model	Equipment											
		Particular product advantages	Particular product advantages		Marathon motor	S-automatic safety clutch: minimises kickback	Electronic safety shutdown: reduces kickback	Tool-free disc change	Tool-free adjustable guard	MVT side handle	Constant electronics	Soft start	Restart protection	Overload protection	Adjustable speed	Integrated auto-balancer
<b>850 W series - the professional entry level</b>																
	W 750-1....	■	750 W		W 750-1....											■*
	W 850-1....	■	850 W		W 850-1....											■*
	WP 850-1....	■	850 W		WP 850-1....											■
<b>900 W series - the most compact ones</b>																
	W 9-1....	■	900 W		W 9-1....	■	■									■*
	W 9-1.... Quick	■	900 W		W 9-1.... Quick	■	■			■	■					■*
	WP 9-1.... Quick	■	900 W		WP 9-1.... Quick	■	■			■	■					■
<b>1,100 W series – the flexible ones also with adjustable speed</b>																
	WEA 10-125 Quick	■	1,000 W	Lowest vibrations	WEA 10-125 Quick	■	■					C	■	■	■	■
	WEV 10-125 Quick	■	1,000 W	Adjustable speed	WEV 10-125 Quick	■	■					VC	■	■	■	■
	W 1100-1....	■	1,100 W		W 1100-1....											■*
<b>1,250 W series - the endurance pros</b>																
	WP 1200-1.... RT	■	1,200 W	Ergonomic soft handle	WP 1200-1.... RT					■						■
	W 12-1.... Quick	■	1,250 W		W 12-1.... Quick	■	■			■	■					■*
	W 12-125 HD	■	1,250 W	High torque and robust aluminium flange for processing stone	W 12-125 HD	■	■			■	■					■*
	WP 12-1.... Quick	■	1,250 W		WP 12-1.... Quick	■	■			■	■					■
	WPB 12-1.... Quick	■	1,250 W	High user safety	WPB 12-1.... Quick	■	■			■	■				■	■
	WA 12-125 Quick	■	1,250 W	Lowest vibrations	WA 12-125 Quick	■	■			■	■					■*
	WBA 12-125 Quick	■	1,250 W	High user protection, lowest vibrations	WBA 12-125 Quick	■	■			■	■					■*
<b>1,550 W series - the power packs</b>																
	WE 1500-1.... RT	■	1,500 W	Ergonomic soft handle	WE 1500-1.... RT							TC	■	■		
	WE 15-1.... Quick	■	1,550 W		WE 15-1.... Quick	■	■			■	■		TC	■	■	■
	WE 15-125 HD	■	1,550 W	High torque and robust aluminium flange for processing stone	WE 15-125 HD	■	■			■	■		TC	■	■	■
	WEP 15-1.... Quick	■	1,550 W		WEP 15-1.... Quick	■	■			■	■		TC	■	■	■
	WEA 15-125 Quick	■	1,550 W	Lowest vibrations	WEA 15-125 Quick	■	■			■	■		TC	■	■	■
<b>1,550 W series - the specialists with adjustable speed</b>																
	WEV 1500-125 RT	■	1,500 W	Ergonomic soft handle	WEV 1500-125 RT					■			VTC	■	■	■
	WEV 15-1.... Quick	■	1,550 W		WEV 15-1.... Quick	■	■			■	■		VTC	■	■	■
	WEVA 15-1.... Quick	■	1,550 W	Lowest vibrations	WEVA 15-1.... Quick	■	■			■	■		VTC	■	■	■
	WEV 15-125 Quick HT	■	1,550 W	High torque for processing stone	WEV 15-125 Quick HT	■	■			■	■		VTC	■	■	■
	WEV 15-125 Quick Inox	■	1,550 W	Very high torque for the perfect stainless steel finish	WEV 15-125 Quick Inox	■	■			■	■		VTC	■	■	■
<b>1,700 W series - the productivity miracles with adjustable speed</b>																
	WE 17-125 Quick	■	1,700 W		WE 17-125 Quick	■	■					TC	■	■	■	
	WEV 17-125 Quick	■	1,700 W	Adjustable speed	WEV 17-125 Quick	■	■			■	■		VTC	■	■	■
	WEP 17-150 Quick	■	1,700 W		WEP 17-150 Quick	■	■			■	■		TC	■	■	■
	WEA 17-1.... Quick	■	1,700 W	Lowest vibrations	WEA 17-1.... Quick	■	■			■	■		TC	■	■	■
	WEBA 17-125 Quick	■	1,700 W	High user protection, lowest vibrations	WEBA 17-125 Quick	■	■			■	■		TC	■	■	■
	WEPBA 17-1.... Quick	■	1,700 W	High user protection, lowest vibrations	WEPBA 17-1.... Quick	■	■			■	■		TC	■	■	■

■\* Depends on countries

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# OVERVIEW OF APPLICATION AREAS AND PRODUCT BENEFITS

Model	Particular product advantages			Model	Equipment													
	Ø 150 mm / 6.0" from page 106	Ø 180 mm / 7.0" from page 110	Ø 230 mm / 9.0" from page 114		Rated input power	Marathon-Motor	Electronic safety shutdown: reduces kickback	Tool-free disc change	Tool-free adjustable guard	MVT side handle	MVT damping system	Soft start	Restart protection	Overload protection	Integrated auto-balancer	Switch with deadmans function	Rotating main handle	Side handle can be mounted in three positions
<b>1,700 W series – the compact large ones</b>																		
 W 17-1....	■	■	1,700 W		W 17-1....	■			■	■						■	■	■
WX 17-1....	■	■	1,700 W		WX 17-1....	■			■	■					■		■	■
<b>2,200 W series – the powerful entry level</b>																		
 W 22-..... MVT	■	■	2,200 W		W 22-..... MVT	■			■	■	■					■*	■	■
WE 22-..... MVT	■	■	2,200 W		WE 22-..... MVT	■	■		■	■	■	■	■			■*	■	■
WE 22-230 MVT Quick	■		2,200 W		WE 22-230 MVT Quick	■	■	■	■	■	■	■	■				■	■
<b>2,400 W series – the reliable work horses</b>																		
 W 24-..... MVT	■	■	2,400 W		W 24-..... MVT	■			■	■	■					■*	■	■
WE 24-..... MVT	■	■	2,400 W		WE 24-..... MVT	■	■		■	■	■	■	■			■*	■	■
WE 24-..... MVT Quick	■		2,400 W		WE 24-..... MVT Quick	■	■	■	■	■	■	■	■			■*	■	■
WEA 24-..... MVT Quick	■		2,400 W	Lowest vibrations	WEA 24-..... MVT Quick	■	■	■	■	■	■	■	■	■		■*	■	■
<b>2,600 W series – the most powerful long-runners</b>																		
 W 26-..... MVT	■	■	2,600 W		W 26-..... MVT	■			■	■	■					■*	■	■
WE 26-..... MVT Quick	■		2,600 W		WE 26-..... MVT Quick	■	■	■	■	■	■	■	■			■*	■	■
WEA 26-..... MVT Quick	■		2,600 W	Lowest vibrations	WEA 26-..... MVT Quick	■	■	■	■	■	■	■	■	■		■*	■	■

■\* depends on model variant

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# THE COMPACT ANGLE GRINDERS: FULL PERFORMANCE WITH REDUCED HANDLE CIRCUMFERENCE.

We listened closely to the needs of demanding users. From now on you will define the limit - not your tool. Don't be afraid to challenge our new power packs from 900 to 1,700 Watt: Our angle grinders go on and on, bring out the best in you and enthuse with their ergonomics. Maximum power has never been this compact.



**Metabo S-automatic Torque Limiting Clutch**  
direct mechanical decoupling reduces kickback should the disc stop unexpectedly - for high safety and swift progress; proven for decades



**Now even faster: Metabo Quick system**  
for tool-free disc change at the touch of a button by means of quick flange nut



**New, patent-pending Metabo Marathon-Motor with:**

- Up to 50 % more torque
- up to 20% more max. output power and
- up to 20% higher overload capacity

for quicker material removal and longer service life in extreme applications



**Compact perfection**

- Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch



**Best anti-vibration system: integrated Autobalancer for**

- up to 50% less hand-arm vibrations,
- longer service life of the machine and
- up to double the tool life of the grinding discs

**Metabo VibraTech (MVT) for vibration damping** for convenient continuous operation



**Fastest brake system for highest user protection:**

- Patented, mechanical disc brake stops the disc within 2 seconds after switching off, even in the event of a power cut



WEPBA 17-125 Quick



**Rear suction vents**  
prevent unintentional covering for longer service life

**Carabiner mounting**  
for safe transport (WEPBA only)



**Gear housing can be mounted at 90° increments**  
for left-handed operation or cutting



**Accessory multiple position bar:**  
Permits infinite adjustment of the side handle for ergonomic, low-fatigue working e.g. for cutting jobs, left-handed users or in confined spaces

# THE NEW METABO MARATHON-MOTOR: HIGH-PERFORMANCE FOR DEMANDING APPLICATIONS.

Best conditions for new, common top performances: The new patent-pending Marathon-Motor exceeds known limits in extreme applications in terms of power, productivity and service life. With up to 1,700 Watt and up to 20% more maximum output power it goes on without interruption where others fall behind: Redefining limits.



## Developed for long service life in extreme applications

**Up to 20% higher overload capacity thanks to new ventilation technology:**

- Turbo fans accelerate the cooling air to up to 400 km/h.
- Flow-optimised dust protection cage
- Rear suction vents prevent unintentional covering for longer service life

**Increased robustness by virtue of additional protection against aggressive dusts:**

- Flow-optimised dust protection cage accelerates dust particles from the machine
- New epoxy resin powder around the field coil
- 30% more abrasion protection resin at the rotor winding



## For satisfying productivity

**Constant high speeds under load for quickest material removal**

- by virtue of increased rotor diameter for optimum leverage and **up to 50% more torque**
- by virtue of new ventilation technology for significantly reduced average motor temperatures and **up to 20% more max. output power**

## For perfect ergonomics and control

**New patented field coil technology permits more power in reduced design**

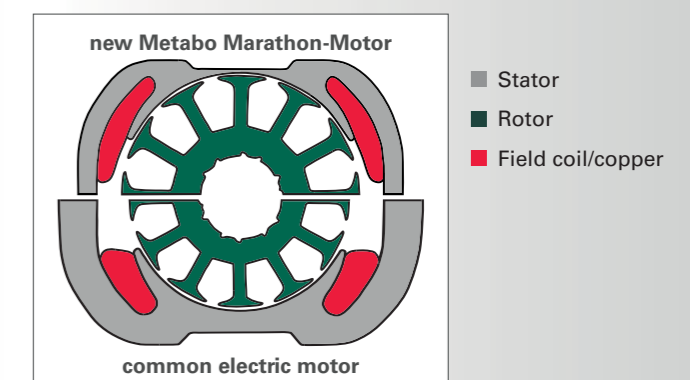
- for highest power density in any class
- for low-fatigue and safe working
- for the **first 1,700 Watt angle grinder** with the power of a large grinder and the **compactness of a small one**

## Maximum power with perfect ergonomics

In the past, more performance was only possible with an unwieldy large motor by means of using copper and iron. The new patented field coil technology permits unused cavities in electric motors to be filled with copper.

**Full performance with reduced handle circumference**

## Cross-section electric motor



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Ø 115 mm

Technical data	Angle Grinder W 750-115	Angle Grinder W 850-115	Angle Grinder WP 850-115
Grinding wheel Ø	115 mm	115 mm	115 mm
Rated input power	750 W	850 W	850 W
Output power	450 W	530 W	530 W
No-load speed	11,000 /min	11,000 /min	11,000 /min
Revolutions at rated load	7,000 /min	7,000 /min	7,000 /min
Torque	1.7 Nm	1.9 Nm	1.9 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	1.8 kg	2 kg	1.9 kg
Cable length	2.5 m	2.5 m	2.5 m

Scope of delivery

Order number	601230 <sup>1) 2)</sup>	601232 <sup>1)</sup>	601234 <sup>1) 2)</sup>
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■	■	■
Side handle	■	■	■
Flat-pin spanner	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Restart protection: prevents unintentional start-up after power supply interruption
- Restart protection: prevents unintentional start-up after power supply interruption
- Paddle switch with dead-man function: safe to operate due to an ergonomically integrated switch
- Robust, universal and economical: ergonomic angle grinder for any application
- Powerful motor with good overload capacity
- Twist-proof protective cover
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 115 mm



Technical data	Angle Grinder W 9-115	Angle Grinder W 9-115 Quick	Angle Grinder WP 9-115 Quick
Grinding wheel Ø	115 mm	115 mm	115 mm
Rated input power	900 W	900 W	900 W
Output power	550 W	550 W	550 W
No-load speed	10,500 /min	10,500 /min	10,500 /min
Revolutions at rated load	7,500 /min	7,500 /min	7,500 /min
Torque	2.5 Nm	2.5 Nm	2.5 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	2.1 kg	2.1 kg	2.1 kg
Cable length	2.5 m	4 m	4 m

Scope of delivery

Order number	600354 <sup>1) 2)</sup>	600371 <sup>1)</sup>	600380 <sup>1)</sup>
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■	■	■
M-Quick flange nut		■	■
Side handle	■	■	■
Flat-pin spanner	■		

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Restart protection: prevents unintentional start-up after power supply interruption
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Restart protection: prevents unintentional start-up after power supply interruption
- Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch
- Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tool-free adjustable guard; twist-proof
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

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Ø 125 mm



Technical data	Angle Grinder W 750-125	Angle Grinder W 850-125	Angle Grinder WP 850-125
Grinding wheel Ø	125 mm	125 mm	125 mm
Rated input power	750 W	850 W	850 W
Output power	450 W	530 W	530 HP
No-load speed	11,000 /min	11,000 /min	11,000 /min
Revolutions at rated load	7,000 /min	7,000 /min	7,000 /min
Torque	1.7 Nm	1.9 Nm	1.9 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	1.8 kg	2 kg	1.9 kg
Cable length	2.5 m	2.5 m	2.5 m

Scope of delivery	601231	601233 <sup>1)</sup>	601235
Order number	601231	601233 <sup>1)</sup>	601235
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■	■	■
Side handle	■	■	■
Flat-pin spanner	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Restart protection: prevents unintentional start-up after power supply interruption
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Paddle switch with dead man function: safe to operate due to an ergonomically integrated switch
  - Robust, universal and economical: ergonomic angle grinder for any application
  - Powerful motor with good overload capacity
  - Twist-proof protective cover
  - Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data	Angle Grinder W 9-125	Angle Grinder W 9-125 Quick	Angle Grinder WP 9-125 Quick
Grinding wheel Ø	125 mm	125 mm	125 mm
Rated input power	900 W	900 W	900 W
Output power	550 W	550 W	550 W
No-load speed	10,500 /min	10,500 /min	10,500 /min
Revolutions at rated load	7,500 /min	7,500 /min	7,500 /min
Torque	2.5 Nm	2.5 Nm	2.5 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	2.1 kg	2.1 kg	2.1 kg
Cable length	2.5 m	4 m	4 m

Scope of delivery	600376 <sup>1)</sup>	600374 <sup>1)</sup>	600384 <sup>1) 2)</sup>
Order number	600376 <sup>1)</sup>	600374 <sup>1)</sup>	600384 <sup>1) 2)</sup>
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■	■	■
M-Quick flange nut		■	■
Side handle	■	■	■
Flat-pin spanner	■		

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

- Product advantages**
- Restart protection: prevents unintentional start-up after power supply interruption
  - Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
  - Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Paddle switch with dead-man function: safe to operate due to an ergonomically integrated non-slip switch
  - Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics
  - New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
  - Tool-free adjustable guard; twist-proof
  - Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
  - Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
  - Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118



Ø 125 mm



Technical data	Angle Grinder WEV 10-125 Quick	Angle Grinder WEA 10-125 Quick	Angle Grinder WP 1200-125 RT
Grinding wheel Ø	125 mm	125 mm	125 mm
Rated input power	1,000 W	1,000 W	1,200 W
Output power	590 W	590 W	720 W
No-load speed	2,800 - 10,500 /min	10,500 /min	11,000 /min
Revolutions at rated load	8,800 /min	8,800 /min	7,000 /min
Torque	2.7 Nm	2.7 Nm	3.2 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	2.1 kg	2.1 kg	2.4 kg
Cable length	4 m	4 m	4 m

Scope of delivery	600388 <sup>1) 2)</sup>	600389	601240 <sup>1) 2)</sup>
Order number	600388 <sup>1) 2)</sup>	600389	601240 <sup>1) 2)</sup>
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■	■	■
M-Quick flange nut	■	■	■
Side handle	■	■	■
Flat-pin spanner	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Thumbwheel controlled Vario-Constamatic (VC)- Full wave electronics ideal for working on materials requiring customised speeds, and at speeds which remain almost constant under load
- Constamatic (C)-Full wave electronics: fast work progress by means of almost constant speed under load
- Best anti-vibration system: integrated Autobalancer compensates to deliver up to less 50% less hand-arm vibration.
- Efficient and robust angle grinder with ergonomic soft handle for low-fatigue working, especially overhead
- Powerful motor with good overload capacity
- Dead man switch for high user protection
- Low fatigue as never before: compact angle grinder with smallest handle circumference in its class for perfect ergonomics
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Tool-free adjustable guard; twist-proof
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data	Angle Grinder W 12-125 Quick	Angle Grinder W 12-125 HD
Grinding wheel Ø	125 mm	125 mm
Rated input power	1,250 W	1,250 W
Output power	780 W	780 W
No-load speed	11,000 /min	9,600 /min
Revolutions at rated load	8,000 /min	8,800 /min
Torque	3.4 Nm	4.1 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.4 kg	2.5 kg
Cable length	4 m	4 m

Scope of delivery	600398 <sup>1) 2)</sup>	600408 <sup>1)</sup>
Order number	600398 <sup>1) 2)</sup>	600408 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
Nut with two holes	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■
Flat-pin spanner	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Aluminium flange for long service life using heavy accessories, e.g. diamond discs
- Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Restart protection: prevents unintentional start-up after power supply interruption
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data	Angle Grinder WP 12-125 Quick	Angle Grinder WPB 12-125 Quick
Grinding wheel Ø	125 mm	125 mm
Rated input power	1,250 W	1,250 W
Output power	780 W	780 W
No-load speed	11,000 /min	11,000 /min
Revolutions at rated load	8,000 /min	8,000 /min
Torque	3.4 Nm	3.4 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.4 kg	2.6 kg
Cable length	4 m	4 m

Scope of delivery	600414	600428 <sup>1)</sup>
Order number	600414	600428 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc within 2 seconds after switching off, even in the event of a power cut
  - Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
  - New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
  - Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
  - Tool-free adjustable guard; twist-proof
  - Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
  - Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch
  - Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
  - Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
  - Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data	Angle Grinder WA 12-125 Quick	Angle Grinder WBA 12-125 Quick
Grinding wheel Ø	125 mm	125 mm
Rated input power	1,250 W	1,250 W
Output power	780 W	780 W
No-load speed	11,000 /min	11,000 /min
Revolutions at rated load	8,000 /min	8,000 /min
Torque	3.4 Nm	3.4 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.4 kg	2.6 kg
Cable length	4 m	4 m

Scope of delivery	600422 <sup>2)</sup>	600436
Order number	600422 <sup>2)</sup>	600436
Guard	■	■
Inner support flange	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■

<sup>2)</sup> also available in 110 V (UK)

- Product advantages**
- Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc within 2 seconds after switching off, even in the event of a power cut
  - Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
  - New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
  - Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
  - Tool-free adjustable guard; twist-proof
  - Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
  - Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
  - Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
  - Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data	Angle Grinder WE 1500-125 RT	Angle Grinder WEV 1500-125 RT	Angle Grinder WEV 1500-125 Quick RT
Grinding wheel Ø	125 mm	125 mm	125 mm
Rated input power	1,500 W	1,500 W	1,500 W
Output power	900 W	900 W	900 W
No-load speed	11,000 /min	3,500 - 11,000 /min	3,500 - 11,000 /min
Revolutions at rated load	11,000 /min	11,000 /min	11,000 /min
Torque	4.2 Nm	4.2 Nm	4.2 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	2.4 kg	2.4 kg	2.4 kg
Cable length	4 m	4 m	4 m

Scope of delivery	601241 <sup>2)</sup>	601243000 <sup>1)</sup>	601243500 <sup>1)</sup>
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■	■	■
Side handle	■	■	■
Flat-pin spanner	■	■	■
Plastic carry case			■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Powerful and robust angle grinder with ergonomic soft handle for low-fatigue working, especially overhead
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Powerful and robust angle grinder with speed selection and ergonomic soft handle for low-fatigue working, especially overhead
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Powerful and robust angle grinder with speed selection and ergonomic soft handle for low-fatigue working, especially overhead
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Powerful motor with good overload capacity
- Tool-free adjustable guard; twist-proof
- Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data	Angle Grinder WE 15-125 Quick	Angle Grinder WE 15-125 HD	Angle Grinder WEP 15-125 Quick
Grinding wheel Ø	125 mm	125 mm	125 mm
Rated input power	1,550 W	1,550 W	1,550 W
Output power	940 W	940 W	940 W
No-load speed	11,000 /min	9,600 /min	11,000 /min
Revolutions at rated load	11,000 /min	9,600 /min	11,000 /min
Torque	3.5 Nm	4.2 Nm	3.5 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	2.5 kg	2.5 kg	2.5 kg
Cable length	4 m	4 m	4 m

Scope of delivery	600448 <sup>1)2)</sup>	600465 <sup>1)</sup>	600476 <sup>1)</sup>
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■	■	■
M-Quick flange nut	■		■
Side handle Metabo VibraTech (MVT)	■	■	■
Flat-pin spanner		■	

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Aluminium flange for long service life using heavy accessories, e.g. diamond discs
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch
- Highest service life for extreme applications: robust, powerful angle grinder with greatest power density in its class for quick work progress
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data

	Angle Grinder WEA 15-125 Quick	Angle Grinder WEV 15-125 Quick	Angle Grinder WEVA 15-125 Quick
Grinding wheel Ø	125 mm	125 mm	125 mm
Rated input power	1,550 W	1,550 W	1,550 W
Output power	940 W	940 W	940 W
No-load speed	11,000 /min	2,800 - 11,000 /min	2,800 - 11,000 /min
Revolutions at rated load	11,000 /min	11,000 /min	11,000 /min
Torque	3.5 Nm	3.5 Nm	3.5 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	2.5 kg	2.5 kg	2.5 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order number	600492 <sup>2)</sup>	600468 <sup>1)</sup>	600496
Guard	■	■	■
Inner support flange	■	■	■
M-Quick flange nut	■	■	■
Side handle Metabo VibraTech (MVT)	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Highest service life for extreme applications: robust, powerful angle grinder with greatest power density in its class for quick work progress
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Best anti-vibration system: integrated Autobalancer compensates to deliver up to less 50% less hand-arm vibration.
- Highest service life for extreme applications: robust, powerful angle grinder with speed control and greatest power density in its class for quick work progress
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Highest service life for extreme applications: robust, powerful angle grinder with speed control and greatest power density in its class for quick work progress
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Best anti-vibration system: integrated Autobalancer compensates to deliver up to less 50% less hand-arm vibration.
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data

	Angle Grinder WEV 15-125 Quick HT	Angle Grinder WEV 15-125 Quick Inox
Grinding wheel Ø	125 mm	125 mm
Rated input power	1,550 W	1,550 W
Output power	940 W	940 W
No-load speed	2,800 - 9,600 /min	2,000 - 7,600 /min
Revolutions at rated load	9,600 /min	7,600 /min
Torque	4.2 Nm	5 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.5 kg	2.5 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600562 <sup>1)</sup>	600572 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Optimum processing of stone: robust, powerful angle grinder with gear reduction and reduced, adjustable speed for material-friendly working
- Perfect processing of stainless steel: robust, powerful angle grinder with high gear reduction and adjustable reduced speed for cool finish
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data	Angle Grinder WE 17-125 Quick	Angle Grinder WEV 17-125 Quick	Angle Grinder WEA 17-125 Quick
Grinding wheel Ø	125 mm	125 mm	125 mm
Rated input power	1,700 W	1,700 W	1,700 W
Output power	1,040 W	1,040 W	1,040 W
No-load speed	11,000 /min	2,800 - 11,000 /min	11,000 /min
Revolutions at rated load	11,000 /min	11,000 /min	11,000 /min
Torque	3.7 Nm	3.7 Nm	3.7 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	2.5 kg	2.5 kg	2.5 kg
Cable length	4 m	4 m	4 m

Scope of delivery	600515	600516	600534
Order number	600515	600516	600534
Guard	■	■	■
Inner support flange	■	■	■
M-Quick flange nut	■	■	■
Side handle Metabo VibraTech (MVT)	■	■	■

Product advantages

- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Maximum productivity: first 1,700 Watt angle grinder with the power of a large grinder and the compactness of a small one for quickest material removal for industrial applications
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 125 mm



Technical data	Angle Grinder WEBA 17-125 Quick	Angle Grinder WEPBA 17-125 Quick
Grinding wheel Ø	125 mm	125 mm
Rated input power	1,700 W	1,700 W
Output power	1,040 W	1,040 W
No-load speed	11,000 /min	11,000 /min
Revolutions at rated load	11,000 /min	11,000 /min
Torque	3.7 Nm	3.7 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.7 kg	2.7 kg
Cable length	4 m	4 m

Scope of delivery	600514	600548 <sup>1) 2)</sup>
Order number	600514	600548 <sup>1) 2)</sup>
Guard	■	■
Inner support flange	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Paddle switch with dead man function: safe to operate due to an ergonomically integrated non-slip switch
- Carabiner securing for safe transport
- Maximum productivity: first 1,700 Watt angle grinder with the power of a large grinder and the compactness of a small one for quickest material removal for industrial applications
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc within 2 secs after switching off, even in the event of a power cut
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 150 mm



NEW



Technical data	Angle Grinder W 12-150 Quick	Angle Grinder WE 1500-150 RT
Grinding wheel Ø	150 mm	150 mm
Rated input power	1,250 W	1,500 W
Output power	780 W	900 W
No-load speed	9,600 /min	9,600 /min
Revolutions at rated load	7,000 /min	9,600 /min
Torque	3.8 Nm	5 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.5 kg	2.4 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600407 <sup>1)</sup>	601242 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
Nut with two holes	■	■
M-Quick flange nut	■	■
Side handle	■	■
Side handle Metabo VibraTech (MVT)	■	■
Flat-pin spanner	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Tool-free adjustable guard; twist-proof
- Restart protection: prevents unintentional start-up after power supply interruption
- Auto-stop carbon brushes to protect the motor
- Powerful and robust angle grinder with ergonomic soft handle for low-fatigue working, especially overhead
- Powerful motor with good overload capacity
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
- Electronic soft start for smooth start-up

System components

Accessories ▶ 118

Ø 150 mm



Technical data	Angle Grinder WE 15-150 Quick	Angle Grinder WEP 15-150 Quick
Grinding wheel Ø	150 mm	150 mm
Rated input power	1,550 W	1,550 W
Output power	940 W	940 W
No-load speed	9,600 /min	9,600 /min
Revolutions at rated load	9,600 /min	9,600 /min
Torque	3.9 Nm	3.9 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.6 kg	2.6 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600464 <sup>1)</sup>	600488 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Highest service life for extreme applications: robust, powerful angle grinder with greatest power density in its class for quick work progress
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor
- Paddle switch with dead man function: safe to operate due to an ergonomically integrated switch

System components

Accessories ▶ 118

Ø 150 mm



Technical data	Angle Grinder WEV 15-150 Quick	Angle Grinder WEVA 15-150 Quick
Grinding wheel Ø	150 mm	150 mm
Rated input power	1,550 W	1,550 W
Output power	940 W	940 W
No-load speed	2,800 - 9,600 /min	2,800 - 9,600 /min
Revolutions at rated load	9,600 /min	9,600 /min
Torque	3.9 Nm	3.9 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.6 kg	2.6 kg
Cable length	4 m	4 m

Scope of delivery	600472	600506
Order number	600472	600506
Guard	■	■
Inner support flange	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■

- Product advantages**
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
  - Highest service life for extreme applications: robust, powerful angle grinder with speed control and greatest power density in its class for quick work progress
  - New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
  - Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
  - Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
  - Tool-free adjustable guard; twist-proof
  - Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
  - Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
  - Electronic overload protection, soft start and restart protection
  - Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
  - Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 150 mm



Technical data	Angle Grinder WEA 17-150 Quick	Angle Grinder WEPBA 17-150 Quick
Grinding wheel Ø	150 mm	150 mm
Rated input power	1,700 W	1,700 W
Output power	1,040 W	1,040 W
No-load speed	9,600 /min	9,600 /min
Revolutions at rated load	9,600 /min	9,600 /min
Torque	4.3 Nm	4.3 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.5 kg	2.8 kg
Cable length	4 m	4 m

Scope of delivery	600535	600552 <sup>1) 2)</sup>
Order number	600535	600552 <sup>1) 2)</sup>
Guard	■	■
Inner support flange	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

- Product advantages**
- Paddle switch with dead-man function: safe to operate due to an ergonomically integrated non-slip switch
  - Fastest brake system for highest user protection: patented, mechanical disc brake stops the disc within 2 seconds after switching off, even in the event of a power cut
  - Carabiner securing for safe transport
  - Maximum productivity: first 1,700 Watt angle grinder with the power of a large grinder and the compactness of a small one for quickest material removal on industrial applications
  - New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
  - Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
  - Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
  - Tool-free adjustable guard; twist-proof
  - Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
  - Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
  - Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc stops unexpectedly - for maximum user protection and swift progress
  - Electronic overload protection, soft start and restart protection
  - Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
  - Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 150 mm  
Ø 180 mm



Technical data	Angle Grinder W 17-150	Angle Grinder WX 17-150	Angle Grinder W 17-180	Angle Grinder WX 17-180
Grinding wheel Ø	150 mm	150 mm	180 mm	180 mm
Rated input power	1,700 W	1,700 W	1,700 W	1,700 W
Output power	980 W	980 W	980 W	980 W
No-load speed	10,000 /min	10,000 /min	8,500 /min	8,500 /min
Revolutions at rated load	7,300 /min	7,300 /min	5,700 /min	5,700 /min
Torque	5 Nm	5 Nm	6 Nm	6 Nm
Spindle thread	M 14	M 14	M 14	M 14
Weight (without power cable)	3.8 kg	3.8 kg	3.9 kg	3.9 kg
Cable length	4 m	4 m	4 m	4 m

Scope of delivery	600169	600170	600177	600179
Order number	600169	600170	600177	600179
Guard	■	■	■	■
Inner support flange	■	■	■	■
Nut with two holes	■	■	■	■
Side handle Metabo VibraTech (MVT)	■	■	■	■
Flat-pin spanner	■	■	■	■

- Product advantages**
- Restart protection: prevents unintentional start-up after power supply interruption
  - Starting current limitation prevents the actuation of the lock on start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Starting current limitation prevents the actuation of the lock on start-up
  - Highest performance of its class
  - Compact angle grinder for low-fatigue working
  - Metabo Marathon motor with patented dust protection for long service life
  - Rotating back handle: High safety and better handling when cutting
  - Tool-free adjustable guard; twist-proof
  - Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
  - Side handle can be mounted at three positions
  - Metabo safety switch prevents unintentional start
  - Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

Ø 180 mm



Technical data	Angle Grinder W 22-180 MVT	Angle Grinder WE 22-180 MVT
Grinding wheel Ø	180 mm	180 mm
Rated input power	2,200 W	2,200 W
Output power	1,500 W	1,500 W
No-load speed	8,500 /min	8,500 /min
Revolutions at rated load	5,800 /min	5,800 /min
Torque	11 Nm	11 Nm
Weight (without power cable)	5.7 kg	5.7 kg
Cable length	4 m	4 m

Scope of delivery	606461 <sup>2)</sup>	606463
Order number	606461 <sup>2)</sup>	606463
Guard	■	■
Inner support flange	■	■
Nut with two holes	■	■
Side handle Metabo VibraTech (MVT)	■	■
Flat-pin spanner	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Dead man switch for high user protection (optional)
  - Starting current limitation prevents the actuation of the lock on start-up
  - Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
  - Electronic overload protection and restart protection
  - LED signal indicates triggered restart protection or overheating
  - Metabo Marathon motor with patented dust protection for long service life
  - Metabo safety switch prevents unintentional start
  - Tool-free adjustable guard; twist-proof
  - Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibration in order to protect the user.
  - Side handle can be mounted at three positions
  - Rotating back handle: High safety and better handling when cutting
  - Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

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Ø 180 mm



Technical data	Angle Grinder W 24-180 MVT	Angle Grinder WE 24-180 MVT
Grinding wheel Ø	180 mm	180 mm
Rated input power	2,400 W	2,400 W
Output power	1,600 W	1,600 W
No-load speed	8,500 /min	8,500 /min
Revolutions at rated load	5,800 /min	5,800 /min
Torque	14 Nm	14 Nm
Weight (without power cable)	5.7 kg	5.7 kg
Cable length	4 m	4 m

Scope of delivery	606466 <sup>1)</sup>	606468
Order number		
Guard	■	■
Inner support flange	■	■
Nut with two holes	■	■
Side handle Metabo VibraTech (MVT)	■	■
Flat-pin spanner	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Starting current limitation prevents the actuation of the lock on start-up
  - Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
  - Electronic overload protection and restart protection
  - LED signal indicates triggered restart protection or overheating
  - Metabo Marathon motor with patented dust protection for long service life
  - Metabo safety switch prevents unintentional start
  - Tool-free adjustable guard; twist-proof
  - Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibration in order to protect the user.
  - Side handle can be mounted at three positions
  - Rotating back handle: High safety and better handling when cutting
  - Auto-stop carbon brushes to protect the motor

**System components**

Accessories ▶ 118

Ø 180 mm



Technical data	Angle Grinder WEA 24-180 MVT Quick	Angle Grinder W 26-180 MVT
Grinding wheel Ø	180 mm	180 mm
Rated input power	2,400 W	2,600 W
Output power	1,600 W	1,800 W
No-load speed	8,500 /min	8,500 /min
Revolutions at rated load	5,800 /min	6,000 /min
Torque	14 Nm	17 Nm
Weight (without power cable)	5.8 kg	6.2 kg
Cable length	4 m	4 m

Scope of delivery	606471	606473
Order number		
Guard	■	■
Inner support flange	■	■
Nut with two holes	■	■
Quick adjusting nut	■	
Side handle Metabo VibraTech (MVT)	■	■
Flat-pin spanner		■

- Product advantages**
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
  - Starting current limitation prevents the actuation of the lock on start-up
  - Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
  - Electronic overload protection and restart protection
  - LED signal indicates triggered restart protection or overheating
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Dead man switch for high user protection (optional)
  - Metabo Marathon motor with patented dust protection for long service life
  - Metabo safety switch prevents unintentional start
  - Tool-free adjustable guard; twist-proof
  - Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibration in order to protect the user.
  - Side handle can be mounted at three positions
  - Rotating back handle: High safety and better handling when cutting
  - Auto-stop carbon brushes to protect the motor

**System components**

Accessories ▶ 118

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NEW

Ø 230 mm



Technical data

Cordless Angle Grinder  
WPB 36 LTX BL 230 Quick

Type of battery pack	LiHD
Battery pack voltage	36 V
Grinding wheel Ø	230 mm
No-load speed	6,500 /min
Spindle thread	M 14
Weight (including battery pack)	6.1 kg

Scope of delivery

Order number	613101 <sup>1)</sup> available from autumn 2016
Guard	■
Inner support flange	■
Quick adjusting nut	■
Side handle Metabo VibraTech (MVT)	■
2 LiHD battery packs (36 V/6.2 Ah)	■
Charger ASC Ultra	■
Plastic carry case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- World's first large angle grinder (Ø 230 mm) with battery pack operation for powerful cutting and roughing, independent from mains power
- Widest range of application thanks to extremely large cutting depth of 77 mm
- Unique encapsulated Metabo brushless motor with optimum protection from dust provides quick work progress and the highest efficiency for any application
- Dead man switch for high user protection
- Fast brake system for highest user protection stops the disc within a matter of seconds after switching off
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Tool-free adjustable guard; twist-proof
- Rotating back handle: High safety and better handling when cutting
- Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
- Side handle can be mounted at three positions
- Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
- Electronic overload protection, soft start and restart protection
- Battery packs with capacity display for checking the charge status

System components

Accessories → 118 | Battery packs → 64



Ø 230 mm



Technical data

Angle Grinder  
W 22-230 MVT

Angle Grinder  
WE 22-230 MVT

Angle Grinder  
WE 22-230 MVT Quick

Grinding wheel Ø	230 mm	230 mm	230 mm
Rated input power	2,200 W	2,200 W	2,200 W
Output power	1,500 W	1,500 W	1,500 W
No-load speed	6,600 /min	6,600 /min	6,600 /min
Revolutions at rated load	4,600 /min	4,600 /min	4,600 /min
Torque	14 Nm	14 Nm	14 Nm
Weight (without power cable)	5.8 kg	5.8 kg	5.8 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order number	606462 <sup>2)</sup>	606464	606465
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■	■	■
Quick adjusting nut			■
Side handle Metabo VibraTech (MVT)	■	■	■
Flat-pin spanner	■	■	

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Dead man switch for high user protection (optional)
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Starting current limitation prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
- Electronic overload protection and restart protection
- LED signal indicates triggered restart protection or overheating
- Metabo Marathon motor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibration in order to protect the user.
- Side handle can be mounted at three positions
- Rotating back handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories → 118

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Ø 230 mm



Technical data	Angle Grinder W 24-230 MVT	Angle Grinder WE 24-230 MVT	Angle Grinder WE 24-230 MVT Quick	Angle Grinder WEA 24-230 MVT Quick
Grinding wheel Ø	230 mm	230 mm	230 mm	230 mm
Rated input power	2,400 W	2,400 W	2,400 W	2,400 W
Output power	1,600 W	1,600 W	1,600 W	1,600 W
No-load speed	6,600 /min	6,600 /min	6,600 /min	6,600 /min
Revolutions at rated load	4,600 /min	4,600 /min	4,600 /min	4,600 /min
Torque	17 Nm	17 Nm	17 Nm	17 Nm
Weight (without power cable)	5.8 kg	5.8 kg	5.8 kg	5.9 kg
Cable length	4 m	4 m	4 m	4 m

Scope of delivery

Order number	606467 <sup>1)</sup>	606469 <sup>2)</sup>	606470	606472
Guard	■	■	■	■
Inner support flange	■	■	■	■
Nut with two holes	■	■	■	■
Quick adjusting nut			■	■
Side handle Metabo VibraTech (MVT)	■	■	■	■
Flat-pin spanner	■	■		

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Dead man switch for high user protection (optional)
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Starting current limitation prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
- Electronic overload protection and restart protection
- LED signal indicates triggered restart protection or overheating
- Metabo Marathon motor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibration in order to protect the user.
- Side handle can be mounted at three positions
- Rotating back handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118



Ø 230 mm



Technical data	Angle Grinder W 26-230 MVT	Angle Grinder WE 26-230 MVT Quick	Angle Grinder WEA 26-230 MVT Quick
Grinding wheel Ø	230 mm	230 mm	230 mm
Rated input power	2,600 W	2,600 W	2,600 W
Output power	1,800 W	1,800 W	1,800 W
No-load speed	6,600 /min	6,600 /min	6,600 /min
Revolutions at rated load	4,800 /min	4,800 /min	4,800 /min
Torque	18 Nm	18 Nm	18 Nm
Weight (without power cable)	6.3 kg	6.3 kg	6.4 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order number	606474 <sup>1)</sup>	606475	606476
Guard	■	■	■
Inner support flange	■	■	■
Nut with two holes	■		
Quick adjusting nut		■	■
Side handle Metabo VibraTech (MVT)	■	■	■
Flat-pin spanner	■		

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Dead man switch for high user protection (optional)
- Best anti-vibration system: integrated Autobalancer for up to 50% less hand-arm vibrations, longer service life of the machine and up to twice the service life of the grinding discs
- Starting current limitation prevents the actuation of the lock on start-up
- Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
- Electronic overload protection and restart protection
- LED signal indicates triggered restart protection or overheating
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Metabo Marathon motor with patented dust protection for long service life
- Metabo safety switch prevents unintentional start
- Tool-free adjustable guard; twist-proof
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibration in order to protect the user.
- Side handle can be mounted at three positions
- Rotating back handle: High safety and better handling when cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 118

# CUTTING AND ROUGHING DISCS: THE METABO QUALITY CLASSES AT A GLANCE

Metabo offers the professional user four quality grades, from which he can choose the right disc for his application.

<p>»Novoflex« »Novorapid« Inox</p> <p><b>Basic quality</b></p> <p>Impress with good cutting output and material removal with good tool life.</p>	<p>»Flexiamant« »Flexiarapid« Inox</p> <p><b>Standard quality</b></p> <p>Particularly uniform in cutting output and extraordinary tool life.</p>	<p>»Flexiamant Super« »Flexiarapid Super« Inox HydroResist</p> <p><b>Premium quality</b></p> <p>Extremely high cutting output with very long tool life</p>	<p>»M-Calibur«</p> <p><b>Premium CER quality</b></p> <p>Special ceramic abrasive grain technology and bonding for highest productivity and work progress</p>
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# CUTTING AND ROUGHING DISCS: POWERFUL AND ROBUST

The quality of cutting and roughing discs depends on several things: The grain (size, shape and quality of the abrasive grains), determines how powerful a disc is. The right ratio of bonding, filler materials and glass reinforcement determine how long the disc will last. Metabo cutting and roughing discs are manufactured in accordance with our recipes and quality specifications so that they, in combination with our machines, achieve best working results. The powerful discs permit an optimum working result in connection with long tool life and are therefore particularly economical.

**Metabo product line**: Flexiamant super

**Dimensions**: 230 x 2,5 x 22,23 mm / 9 x 3/32 x 7/8"

**Max. permitted speed**: 6.600 min<sup>-1</sup> / max. 80 m/s

**Maximum working speed**: 108392

**Order number**: 616115

**Specifications**: A 36-T-BF/41

**Safety notes**: Use ear defenders, Use goggles, Use dust mask, Use protective gloves, Limitations of usage

**Safety standard**: OSA EN 12413

### The Metabo colour coding system

The Metabo grinding discs are consistently colour coded according to their application area with the appropriate colour from the coding system. The catalogue carries the relevant colour bar on the left side of the grinding disc groups' table to help selection:

	Steel, sheet steel
	Stainless steel
	Aluminium, bronze, copper, brass, other NF metals
	Stone, concrete, tiles, clinker brick etc.

### This is how to read the specification for a cutting and roughing disc:

<p><b>Specification</b> The combination of letters and numbers is the genetic code of the grinding disc.</p> <p><b>Abrasive</b> A ■ For general processing of metal ZA ■ Special discs for metal processing</p> <p><b>C Silicon carbide</b> ■ For processing stone</p> <p><b>CA Ceramic</b> ■ Special discs for processing stainless steel and metal</p>	<p><b>Grit</b> The higher the number, the finer the grit. We use grain sizes of 16 – 60 for cutting and grinding discs: 16–24 Coarse 30–60 medium</p> <p><b>Hardness</b> The hardness of a grinding tool is coded alphabetically: ABC ... NOP ... RST ... Z Very soft Soft hard Very hard</p> <p><b>Shape</b> Shape 41: straight version Shape 42/27: offset version</p>	<p><b>Bonding</b> <b>B Resinoid bonding</b> ■ Permitted for a circumferential speed of up to 50 m/s <b>BF Glass-fibre reinforced resinoid bonding</b> ■ Permitted for a circumferential speed of up to 80 m/s</p> <p><b>Example: A 24-N-BF</b> A Aluminium oxide 24 Grit N Hard disc BF Glass-fibre reinforced resinoid bonding ■ A disc of this type cuts well and has a good service life when working with steels.</p>
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WHICH DISC IS SUITABLE FOR WHICH APPLICATION?

Legend	Cutting discs for												Grinding discs for																
	Hand-held angle grinders												Hand operated cutting machines (petrol)	Table mounted chop saws	Stationary cutting machines	Hand-held angle grinders													
Novoflex Good cutting performance/tool life	CA 46-U	A 30	A 30-R	A 36-T	A 60-T/A 46-T	A 46-T	A 30-P	A 46-R/A 60-R/A 30-R	A 60-U/A 46-U/A 36-U	A 46-U	A 30-O	C 30	C 30-S	C 60-T	A 24-N	C 24-N	A 36-S	A 36-R	A 30-R / A 24-M	A 30-R	C 30-S	CA 36-O	A 24	A 24-N	A 24-T	ZA 24-T	A 30-O	A 36-M	C 24-N
Flexiamant High cutting performance/tool life	M-Calibur Steel/Inox	Novoflex steel	Flexiamant steel	Flexiamant super steel	Flexiamant super steel	Novorapid Inox	Flexiamant Inox	Flexiarapid Inox	Flexiarapid super Inox	Combinator	Flexiarapid Alu	Novoflex stone	Flexiamant super stone	Flexiamant super stone	Flexiamant super steel	Flexiamant super stone	Flexiamant super steel	Flexiamant super Inox	Flexiamant super steel	Flexiamant super stone	Flexiamant super stone	M-Calibur Steel/Inox	Novoflex steel	Flexiamant steel	Flexiamant super steel	Flexiamant super pipeline	Flexiamant super Inox	Flexiamant super aluminium	Flexiamant super stone
Flexiamant super Very high cutting output/tool life																													
Material/application																													
Steel	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
General construction steel	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Construction steel, high tensile strength	□	□	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Tool steel	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Steel sheets/ thin-walled profiles	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Ductile pipes																													
Pipeline																													
Grey cast iron GG																													
Ductile cast iron GGG																													
Cast steel GG																													
Malleable cast iron GT																													
Stainless steel	■				■	■	■	■	■	■								■	□	□		■					■		
Non-alloy stainless steel	■				■	■	■	■	■	■								■	□	□		■					■		
High-alloy stainless steel	■				■	■	■	■	■	■								■	□	□		■					■		
Stainless steel sheets/ thin-walled profiles	■				■	■	■	■	■	■								■	□	□		■					■		
Container construction					■																			□		■	■		
Aluminium											■												□						■
Bronze											■												□						■
Copper											■												□						■
Brass											■												□						■
Other non-ferrous metals											■												□						■
Asphalt																													
Concrete												■	■										■						■
Reinforced concrete												□	□										□						■
Pumice stone												□	□										□						■
Roof tiles												□	□										□						■
Tiles																													■
Aerated concrete												□	□										□						■
Granite												□	□										□						■
Tiles																													■
Sand-lime brick												□	□										□						■
Ceramic																													■
Clinkers												□	□										□						■
Fireclay												□	□										□						■
Stone												■	■										■						■
Clay pipes												□	□										□						■
Exposed aggregate concrete												□	□										□						■

CUTTING AND ROUGHING DISCS "M-CALIBUR" FOR STEEL AND STAINLESS STEEL.



"M-Calibur" grinding discs with special ceramics abrasive grain technology and bonding for highest productivity and work progress in steel and stainless steel



- Maximum number of cuts with the cutting disc "M-Calibur" (up to 3 times the service life)
- Extremely high cutting speed
- Maximum material removal with the roughing disc "M-Calibur" (up to 3x the removal than standard roughing discs)
- Extremely high material removal speed

Highest safety standards

- Exceed the requirements of all relevant safety standards EN 12413, OSA

Perfectly adjusted to the most powerful angle grinders





Particularly wide range of application





- For all steel and stainless steel applications





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Cutting Discs

Cutting discs for hand-held angle grinders



Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
 <p><b>Quality class A 60-R / A 46 R "Novorapid" Stahl</b></p> <ul style="list-style-type: none"> <li>Quality Novorapid: powerful entry-level class</li> <li>Thin cutting disc for general processing of metal, especially for thin-walled materials such as pipes, metal sheets, profiles, wires etc.</li> <li>Good cutting performance with good tool life.</li> <li>Hardness: medium-hard</li> <li>Low material consumption, power-saving, low machine load</li> <li>Maximum working speed: 80 m/s</li> </ul>					
A 60-R	115 x 1 x 22.23	—	13.300	1/25	616505000
A 60-R	125 x 1 x 22.23	—	12.200	1/25	616506000
A 46-R	150 x 1.6 x 22.23	—	10.200	1/25	616507000
A 46-R	180 x 1.6 x 22.23	—	8.500	1/25	616508000
A 46-R	230 x 1.9 x 22.23	—	6.600	1/25	616509000
 <p><b>Quality class A 30 "Novoflex" steel</b></p> <ul style="list-style-type: none"> <li>Quality Novoflex: powerful entry-level class</li> <li>Hardness: medium-hard</li> <li>Universal use in metal processing</li> <li>Good cutting performance with good tool life.</li> <li>Maximum working speed 80 m/s</li> </ul>					
A 30	100 x 2.5 x 16	—	15.300	1/25	616446000
A 30	100 x 2.5 x 16	—	15.300	1/25	616447000
A 30	115 x 2.5 x 22.23	—	13.300	1/25	616442000
A 30	115 x 2.5 x 22.23	—	13.300	1/25	616454000
A 30	115 x 3 x 22.23	—	13.300	1/25	616420000
A 30	125 x 2.5 x 22.23	—	12.200	1/25	616444000
A 30	125 x 2.5 x 22.23	—	12.200	1/25	616456000
A 30	150 x 3 x 22.23	—	10.200	1/25	616448000
A 30	180 x 3 x 22.23	—	8.500	1/25	616450000
A 30	180 x 3 x 22.23	—	8.500	1/25	616457000
A 30	230 x 3 x 22.23	—	6.600	1/25	616452000
A 30	230 x 3 x 22.23	—	6.600	1/25	616477000
 <p><b>Quality class A 30-R "Flexiamant" Stahl</b></p> <ul style="list-style-type: none"> <li>Universal disc for complete metal processing</li> <li>Hardness: medium</li> <li>High cutting output with good tool life</li> <li>Uniform in cutting output and tool life</li> <li>Maximum working speed 80 m/s</li> </ul>					
A 30-R	100 x 2.5 x 16	—	15.300	1/25	616742000
A 30-R	115 x 2.5 x 22.23	—	13.300	1/25	616727000
A 30-R	115 x 2.5 x 22.23	—	13.300	1/25	616770000
A 30-R	125 x 2.5 x 22.23	—	12.200	1/25	616310000
A 30-R	125 x 2.5 x 22.23	—	12.200	1/25	616732000
A 30-R	150 x 3 x 22.23	—	10.200	1/25	616121000
A 30-R	150 x 3 x 22.23	—	10.200	1/25	616313000
A 30-R	180 x 3 x 22.23	—	8.500	1/25	616123000
A 30-R	180 x 3 x 22.23	—	8.500	1/25	616300000
A 30-R	230 x 3 x 22.23	—	6.600	1/25	616127000
A 30-R	230 x 3 x 22.23	—	6.600	1/25	616302000
 <p><b>Quality class A 60-T / A 46-T "Flexiamant Super" steel</b></p> <ul style="list-style-type: none"> <li>Thin high output cutting disc especially for thin materials such as metal sheets, pipes, profiles, wires</li> <li>Hardness: hard</li> <li>Very high cutting output with good tool life</li> <li>Low material consumption, power-saving, low machine load</li> <li>Maximum working speed 80 m/s</li> </ul>					
A 60-T	115 x 1 x 22.23	—	13.300	1/25	616188000
A 46-T	115 x 1.6 x 22.23	—	13.300	1/25	616191000

Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
A 60-T	125 x 1 x 22.23	—	12.200	1/25	616189000
A 46-T	125 x 1.6 x 22.23	—	12.200	1/25	616192000
 <p><b>Quality class A 36-T "Flexiamant Super" steel</b></p> <ul style="list-style-type: none"> <li>Universal disc for complete metal processing</li> <li>Hardness: hard</li> <li>Extremely high cutting output with good tool life by using special corundums</li> <li>Best results using powerful angle grinders</li> <li>Maximum working speed 80 m/s</li> </ul>					
A 36-T	115 x 2 x 22.23	—	13.300	1/25	616100000
A 36-T	115 x 2 x 22.23	—	13.300	1/25	616105000
A 36-T	115 x 3 x 22.23	—	13.300	1/25	616104000
A 36-T	125 x 2 x 22.23	—	12.200	1/25	616101000
A 36-T	125 x 2 x 22.23	—	12.200	1/25	616107000
A 36-T	150 x 2 x 22.23	—	10.200	1/25	616109000
A 36-T	150 x 2 x 22.23	—	10.200	1/25	616119000
A 36-T	180 x 2 x 22.23	—	8.500	1/25	616102000
A 36-T	180 x 2 x 22.23	—	8.500	1/25	616111000
A 36-T	230 x 2.5 x 22.23	—	6.600	1/25	616103000
A 36-T	230 x 2.5 x 22.23	—	6.600	1/25	616115000
 <p><b>Quality class A 46-T "Novorapid" Inox</b></p> <ul style="list-style-type: none"> <li>Quality Novorapid: powerful entry-level class</li> <li>Thin cutting disc for processing rust-free, thin-walled materials such as pipes, sheeting, profiles, wires etc. as well as for general metalworking</li> <li>Good cutting performance with good tool life.</li> <li>Hardness: hard</li> <li>Low material consumption, power-saving, low machine load</li> <li>Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>Maximum working speed: 80 m/s</li> </ul>					
A 46-T	115 x 1 x 22.23	—	13.200	25	616270000
A 46-T	125 x 1 x 22.23	—	12.200	25	616271000
A 46-T Novorapid	180 x 1.5 x 22.23	—	8.600	1/25	616273000
A 46-T	230 x 1.9 x 22.23	—	6.600	1/25	616274000
 <p><b>Quality class A 30-P "Flexiamant" Inox</b></p> <ul style="list-style-type: none"> <li>Universal disc for processing stainless steels</li> <li>Hardness: soft</li> <li>High cutting output with good tool life</li> <li>Maximum working speed 80 m/s</li> </ul>					
A 30-P	100 x 2.5 x 16	—	15.300	1/25	616744000
A 30-P	115 x 2.5 x 22.23	—	13.300	1/25	616737000
A 30-P	115 x 3 x 22.23	—	13.300	1/25	616741000
A 30-P	125 x 2.5 x 22.23	—	12.200	1/25	616738000
A 30-P	180 x 3 x 22.23	—	8.500	1/25	616163000
A 30-P	180 x 3 x 22.23	—	8.500	1/25	616299000
A 30-P	230 x 3 x 22.23	—	6.600	1/25	616167000
 <p><b>Quality class A 60-R / A 46-R / A 30-R "Flexiarapid" Inox</b></p> <ul style="list-style-type: none"> <li>Thin high-output cutting disc especially for stainless, thin-walled materials such as pipes, metal sheets, profiles, wires</li> <li>Hardness: hard</li> <li>Very high cutting output with good tool life by using special corundums</li> <li>Low material consumption, power-saving, low machine load.</li> <li>Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>Maximum working speed 80 m/s</li> <li>A 60-R with 1 mm thickness; A 46-R with 1.6 mm thickness; A 30-R with 1.9 mm thickness</li> </ul>					
A 46-R	105 x 1.6 x 16	—	15.300	1/25	616180000
A 60-R	115 x 1 x 22.23	—	13.300	1/25	616186000
A 46-R	115 x 1.6 x 22.23	—	13.300	1/25	616181000
A 60-R	125 x 1 x 22.23	—	12.200	1/25	616187000
A 46-R	125 x 1.6 x 22.23	—	12.200	1/25	616182000
A 46-R	125 x 2 x 22.23	—	12.200	1/25	616179000




	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	A 30-R	150 x 1.6 x 22.23	—	10.200	1/25	616183000
	A 30-R	180 x 1.6 x 22.23	—	8.500	1/25	616184000
	A 30-R	230 x 1.9 x 22.23	—	6.600	1/25	616185000
	<b>Quality class A 36-U / A 46-U / A 60-U "Flexiarapid Super" Inox HydroResist</b>					
	<ul style="list-style-type: none"> <li>■ The super-thin high-output disc especially for processing stainless steel</li> <li>■ Super quick with very long service life thanks to the use of special corundums</li> <li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ For all rust and acid resistant steels (V2A, Nirosta, INOX), spring steels, tool steels</li> <li>■ For use in the manufacture of vehicles, containers, car bodies, switch cabinets etc.</li> <li>■ Cutting discs for quiet, precise cutting, cuts without burrs</li> <li>■ Hardness: hard</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 60-U	105 x 1 x 16	—	15.300	1/25	616210000
	A 60-U	115 x 0.8 x 22.23	—	13.300	1/50	616208000
	A 60-U	115 x 1 x 22.23	—	13.300	1/25	616216000
	A 60-U	115 x 1 x 22.23	—	13.300	1/25	616217000
	A 46-U	115 x 1.6 x 22.23	—	13.300	1/25	616218000
	A 46-U	115 x 1.6 x 22.23	—	13.300	1/25	616219000
	A 60-U	125 x 0.8 x 22.23	—	12.200	1/50	616209000
	A 60-U	125 x 1 x 22.23	—	12.200	1/25	616220000
	A 46-U	125 x 1.6 x 22.23	—	12.200	1/25	616222000
	A 46-U	150 x 1.6 x 22.23	—	10.200	1/25	616224000
	A 46-U	180 x 1.6 x 22.23	—	8.500	1/25	616226000
	A 46-U	180 x 1.6 x 22.23	—	8.500	1/25	616227000
	A 36-U	230 x 1.9 x 22.23	—	6.600	1/25	616228000
	A 36-U	230 x 1.9 x 22.23	—	6.600	1/25	616229000
	<b>Quality class A 46-U "Combinator" Inox HydroResist</b>					
	<ul style="list-style-type: none"> <li>■ One grinding disc for two applications: quick cutting, as well as easy deburring and sanding</li> <li>■ All-purpose use for processing stainless steel and for general metal work</li> <li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ Hardness: hard</li> <li>■ Reduces labour costs by saving on set-up time</li> <li>■ Eliminates time-consuming disc changes during mobile use.</li> <li>■ Highest standards in quality and safety thanks to the dimensional and lateral stability of the disc design (proven safety with 3 full-surface layers of material)</li> <li>■ Maximum working speed: 80 m/s</li> </ul>					
	A 46-U Combinator Inox	115 x 1.9 x 22.23	—	13.200	1/25	616500000
	A 46-U Combinator Inox	125 x 1.9 x 22.23	—	12.200	1/25	616501000
	<b>Quality class CA 46-U "M-Calibur" Inox</b>					
	<ul style="list-style-type: none"> <li>■ The latest generation of cutting discs with ceramic abrasive grain</li> <li>■ Maximum cutting performance with extremely high tool life thanks to using ceramic special corundum and new bonding</li> <li>■ Highest productivity and work progress</li> <li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ For all rust and acid resistant steels (V2A, Nirosta, INOX), high-allow steels, spring steels, tool steels.</li> <li>■ Hardness: hard</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	CA 46-U	115 x 1.6 x 22.23	—	13.300	1/25	616285000
	CA 46-U	125 x 1.6 x 22.23	—	12.200	1/25	616286000
	<b>Quality class A 60-P / A 46 P "Flexiarapid" Alu</b>					
	<ul style="list-style-type: none"> <li>■ Thin high-output cutting disc especially for processing aluminium, non-ferrous metals, copper, brass, bronze etc., thin-walled materials such as pipes, metal sheets, profiles, wires</li> <li>■ Hardness: medium-hard</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> <li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li> </ul>					
	A 60-P	115 x 1 x 22.23	—	13.300	1/25	616512000
	A 60-P	125 x 1 x 22.23	—	12.200	1/25	616513000

	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	A 46 P	150 x 1.6 x 22.23	—	10.200	1/25	616514000
	A 46 P	180 x 1.6 x 22.23	—	8.500	1/25	616515000
	A 46 P	230 x 1.9 x 22.23	—	6.600	1/25	616516000
	<b>Quality class A 30-O "Flexiamant Super" Alu</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc with open structure for processing non-ferrous metals such as aluminium, copper, brass, bronze ...</li> <li>■ Hardness: soft</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> <li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li> </ul>					
	A 30-O	115 x 2.5 x 22.23	—	13.300	1/25	616751000
	A 30-O	125 x 2.5 x 22.23	—	12.200	1/25	616752000
	A 30-O	150 x 3 x 22.23	—	10.200	1/25	616753000
	A 30-O	180 x 3 x 22.23	—	8.500	1/25	616122000
	A 30-O	230 x 3 x 22.23	—	6.600	1/25	616126000
	<b>Quality class C 30 "Novoflex" stone</b>					
	<ul style="list-style-type: none"> <li>■ Quality Novoflex: powerful entry-level class</li> <li>■ Hardness: medium</li> <li>■ For universal use for processing natural and artificial stone</li> <li>■ Good cutting performance with good tool life.</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 30	115 x 2.5 x 22.23	—	13.300	1/25	616455000
	C 30	125 x 2.5 x 22.23	—	12.200	1/25	616428000
	C 30	150 x 3 x 22.23	—	10.200	1/25	616449000
	C 30	180 x 3 x 22.23	—	8.500	1/25	616458000
	C 30	230 x 3 x 22.23	—	6.600	1/25	616453000
	C 30	230 x 3 x 22.23	—	6.600	1/25	616479000
	<b>Quality class C 30-S "Flexiamant Super" stone</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for processing natural and artificial stone</li> <li>■ Hardness: medium</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 30-S	115 x 2.5 x 22.23	—	13.300	1/25	616728000
	C 30-S	125 x 2.5 x 22.23	—	12.200	1/25	616312000
	C 30-S	125 x 2.5 x 22.23	—	12.200	1/25	616733000
	C 30-S	180 x 3 x 22.23	—	8.500	1/25	616143000
	C 30-S	230 x 3 x 22.23	—	6.600	1/25	616147000
	C 30-S	230 x 3 x 22.23	—	6.600	1/25	616303000
	<b>Quality class C 60-T "Flexiamant Super" stone</b>					
	<ul style="list-style-type: none"> <li>■ Super thin special disc for processing tiles, ceramics, clinkers etc.</li> <li>■ Hardness: hard</li> <li>■ Very high cutting output with above average tool life</li> <li>■ Quick cutting time, less cutting wastage, cleaner cutting edges</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 60-T	115 x 1.5 x 22.23	—	13.300	1/25	616195000
	C 60-T	125 x 1.5 x 22.23	—	12.200	1/25	616196000



Cutting discs for cutting machines/petrol cutters

	Quality class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	<b>Quality class A 24 N "Flexiamant Super" steel</b>					
	<ul style="list-style-type: none"> <li>For use in all steel processing applications, also for cast materials</li> <li>Hardness: medium</li> <li>High cutting output with good tool life</li> <li>Maximum working speed 80 m/s</li> </ul>					
	A 24-N	300 x 3.5 x 20	—	5.090	1/10	616136000
	A 24-N	300 x 3.5 x 22.2	—	5.090	1/10	616135000
	A 24-N	300 x 3.5 x 25.4	—	5.090	1/10	616137000
	<b>Quality class C 24-N "Flexiamant Super" stone</b>					
	<ul style="list-style-type: none"> <li>For processing natural and artificial stone, non-ferrous metals</li> <li>Hardness: medium</li> <li>High cutting output with good tool life</li> <li>Maximum working speed 80 m/s</li> </ul>					
	C 24-N	300 x 3.5 x 20	—	5.090	1/10	616156000



Cutting discs for table-top cutting machines

	Quality class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	<b>Quality class A 30-R / A 36-S "Flexiamant Super" steel</b>					
	<ul style="list-style-type: none"> <li>High cutting output with good tool life in steel</li> <li>Tough version for powerful machines</li> <li>A 36-S: with an inside gauze for quick cuts</li> <li>Maximum working speed 80 m/s</li> </ul>					
	A 30-R	300 x 2.5 x 25.4	—	5.090	1/10	616328000
	A 30-R	350 x 3 x 25.4	—	4.365	1/10	616327000
	A 36-S	350 x 3 x 25.4	—	4.365	1/10	616339000
	<b>Quality class A 24-M "Flexiamant Super" Stahl</b>					
	<ul style="list-style-type: none"> <li>High cutting output with good tool life in steel</li> <li>Soft version for less powerful machines</li> <li>Maximum working speed 80 m/s</li> </ul>					
	A 24-M	350 x 3 x 25.4	—	4.365	1/10	616338000
	A 24-M	400 x 3 x 25.4	—	3.820	1/10	616215000
	<b>Quality class A 36-R "Flexiamant Super" Inox</b>					
	<ul style="list-style-type: none"> <li>Medium-hard special cutting disc for stainless steel</li> <li>High cutting output with good tool life</li> <li>Maximum working speed 80 m/s</li> </ul>					
	A 36-R	350 x 3 x 25.4	—	4.365	1/10	616343000





Cutting discs for stationary cutting machines




	Quality class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	<b>Quality class A 30-S "Flexiamant Super" steel</b>					
	<ul style="list-style-type: none"> <li>Universal use in metal processing</li> <li>Hardness: hard</li> <li>High cutting output with good tool life</li> <li>Maximum working speed 100 m/s</li> </ul>					
	A 30-S	300 x 3 x 25.4	—	6.365	1/10	616202000
	A 30-S	350 x 3.5 x 25.4	—	5.460	1/10	616203000
	A 30-S	400 x 4 x 25.4	—	4.775	1/10	616204000
	<b>Quality class C 30-S "Flexiamant Super" stone</b>					
	<ul style="list-style-type: none"> <li>Universal use for processing natural and artificial stone</li> <li>Also suitable for processing non-ferrous metals</li> <li>Hardness: hard</li> <li>High cutting output with good tool life</li> <li>Maximum working speed 100 m/s</li> </ul>					
	C 30-S	300 x 3 x 25.4	—	6.365	1/10	616212000
	C 30-S	350 x 3.5 x 25.4	—	5.460	1/10	616213000

Grinding discs for hand-held angle grinders


	Quality class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	<b>Quality class A 24 "Novoflex" steel</b>					
	<ul style="list-style-type: none"> <li>Quality Novoflex: powerful entry-level class</li> <li>Hardness: medium-hard</li> <li>Universal use in metal processing</li> <li>Good cutting output with good tool life</li> <li>Maximum working speed 80 m/s</li> </ul>					
	A 24	100 x 6 x 16	—	15.300	1/25	616429000
	A 24	115 x 6 x 22.23	—	13.300	1/25	616460000
	A 24	125 x 6 x 22.23	—	12.200	1/25	616462000
	A 24	150 x 6 x 22.23	—	10.200	1/25	616464000
	A 24	180 x 6 x 22.23	—	8.500	1/10	616465000
	A 24	230 x 6 x 22.23	—	6.600	1/10	616468000
	<b>Quality class A 24-N "Flexiamant" Steel</b>					
	<ul style="list-style-type: none"> <li>Universal disc for all metal processing requirements</li> <li>Hardness: medium</li> <li>High cutting output with good tool life</li> <li>Maximum working speed 80 m/s</li> </ul>					
	A 24-N	100 x 6 x 16	—	15.300	1/25	616745000
	A 24-N	115 x 4 x 22.23	—	13.300	1/25	616736000
	A 24-N	115 x 6 x 22.23	—	13.300	1/25	616726000
	A 24-N	115 x 6.8 x 22.23	—	13.300	1/25	616725000
	A 24-N	125 x 4 x 22.23	—	12.200	1/25	616680000
	A 24-N	125 x 6 x 22.23	—	12.200	1/25	616730000
	A 24-N	150 x 6 x 22.23	—	10.200	1/25	616554000
	A 24-N	180 x 6 x 22.23	—	8.500	1/10	616560000
	A 24-N	180 x 6.8 x 22.23	—	8.500	1/10	616563000
	A 24-N	180 x 8 x 22.23	—	8.500	1/10	616561000
	A 24-N	230 x 6 x 22.23	—	6.600	1/10	616572000
	A 24-N	230 x 8 x 22.23	—	6.600	1/10	616573000




	Quality class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	<b>Quality class A 24-T "Flexiamant Super" Steel</b>					
	<ul style="list-style-type: none"> <li>■ Universal disc for all metal processing requirements</li> <li>■ Especially suitable for deburring and grinding edges, also for cast processing</li> <li>■ Hardness: hard</li> <li>■ Good cutting output with extremely good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 24-T	115 x 6 x 22.23	—	13.300	1/25	616275000
	A 24-T	125 x 6 x 22.23	—	12.200	1/25	616486000
	A 24-T	150 x 6 x 22.23	—	10.200	1/25	616487000
	A 24-T	180 x 6 x 22.23	—	8.500	1/10	616277000
	A 24-T	230 x 6 x 22.23	—	6.600	1/10	616279000
	<b>Quality class CA 36-O "M-Calibur" Inox</b>					
	<ul style="list-style-type: none"> <li>■ The latest generation of grinding discs with ceramic grinding media</li> <li>■ Maximum material removal with extremely high tool life thanks to special ceramic corundum with new bonding</li> <li>■ Highest productivity and work progress</li> <li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)</li> <li>■ For all rust and acid resistant steels (V2A, Nirosta, INOX), high-allow steels, spring steels, tool steels.</li> <li>■ Maximum working speed: 80 m/s</li> <li>■ Hardness: medium-hard</li> </ul>					
	CA 36-O	115 x 7 x 22.23	—	13.300	1/25	616290000
	CA 36-O	125 x 7 x 22.23	—	12.200	1/25	616291000
	<b>Quality class A 46 P "Flexiamant Super FKS" Inox</b>					
<ul style="list-style-type: none"> <li>■ Special roughing disc for processing fillet welds in stainless steel and steel, thanks to a high degree of fineness. Other application examples: Processing of weld seams, deburring, grinding of corners and edges</li> <li>■ Particularly suited for front facing working with the Metabo flat-head angle grinders</li> <li>■ Clean cut with high material removal ensures excellent cutting output</li> <li>■ Different grain levels can be selected - additional fine grinding can consequently be omitted</li> <li>■ The roughing disc has a sectioned rim, therefore best-suited for the individual processing of the material</li> <li>■ Suitable for rust and acid resistant steels (V2A, Nirosta, INOX), highly solid, high-alloy steels, hardened steels, construction steels, grey cast iron</li> <li>■ Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)/hardness: medium</li> <li>■ Maximum working speed 80 m/s</li> </ul>						
	A 46 P / 40	125 x 4 x 22.23	—	12.200	1/25	616197000
	A 46 P / 60	125 x 4 x 22.23	—	12.200	1/25	616198000
	A 46 P / 40	150 x 4 x 22.23	—	10.200	1/25	616199000
	A 46 P / 60	150 x 4 x 22.23	—	10.200	1/25	616200000
	<b>Quality class A 36-O "Flexiamant Super" Inox</b>					
	<ul style="list-style-type: none"> <li>■ Special disc for processing stainless steels</li> <li>■ Hardness: soft</li> <li>■ Very good cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	A 36-O	100 x 6 x 16	—	15.300	1/25	616735000
	A 36-O	115 x 6 x 22.23	—	13.300	1/25	616739000
	A 36-O	125 x 6 x 22.23	—	12.200	1/25	616747000
	A 36-O	150 x 6 x 22.23	—	10.200	1/25	616604000
	A 36-O	180 x 6 x 22.23	—	8.500	1/10	616610000
	A 36-O	230 x 6 x 22.23	—	6.600	1/10	616622000
	<b>Quality class A 36-M "Flexiamant Super" Alu</b>					
	<ul style="list-style-type: none"> <li>■ Special disc with open structure for high cutting output and good tool life</li> <li>■ Hardness: soft</li> <li>■ Best suited for processing lubricating materials such as aluminium, bronze, copper, brass</li> <li>■ Maximum working speed 80 m/s</li> <li>■ Attention: Good extraction is obligatory in closed rooms, as highly concentrated aluminium dust can lead to explosions!</li> </ul>					
	A 36-M	115 x 6 x 22.23	—	13.300	1/25	616748000
	A 36-M	125 x 6 x 22.23	—	12.200	1/25	616749000


	Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
	A 36-M	150 x 6 x 22.23	—	10.200	1/25	616754000
	A 36-M	180 x 6 x 22.23	—	8.500	1/10	616760000
	A 36-M	230 x 6 x 22.23	—	6.600	1/10	616763000
	<b>Quality class C 24-N "Flexiamant Super" stone</b>					
	<ul style="list-style-type: none"> <li>■ Special disc for rough grinding on concrete, natural and artificial stone</li> <li>■ Hardness: soft</li> <li>■ High cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	C 24-N	115 x 6 x 22.23	—	13.300	1/25	616729000
	C 24-N	125 x 6 x 22.23	—	12.200	1/25	616731000
	C 24-N	150 x 6 x 22.23	—	10.200	1/25	616654000
	C 24-N	180 x 6 x 22.23	—	8.500	1/10	616660000
	C 24-N	230 x 6 x 22.23	—	6.600	1/10	616672000
	<b>Quality class ZA 24-T "Flexiamant Super" pipeline</b>					
	<ul style="list-style-type: none"> <li>■ Special disc for pipeline and container construction</li> <li>■ Welded seam processing in front facing grinding</li> <li>■ Grinding out welding faults</li> <li>■ Hardness: hard</li> <li>■ Very good cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	ZA 24-T	115 x 4 x 22.23	—	13.300	1/25	616792000
	ZA 24-T	180 x 4 x 22.23	—	8.500	1/10	616795000
	ZA 24-T	230 x 4 x 22.23	—	6.600	1/10	616796000
	<b>Quality class ZA 24-T »Flexiamant Super« cast</b>					
	<ul style="list-style-type: none"> <li>■ Especially for processing different cast materials</li> <li>■ Suitable for surface grinding, processing of weld seams, chamfering, deburring, etc.</li> <li>■ Grinding media: Zirconia alumina</li> <li>■ Hardness: hard</li> <li>■ Very good cutting output with good tool life</li> <li>■ Maximum working speed 80 m/s</li> </ul>					
	ZA 24-T	115 x 7 x 22.23	—	13.300	1/25	616517000
	ZA 24-T	125 x 7 x 22.23	—	12.200	1/25	616518000
	ZA 24-T	180 x 7 x 22.23	—	8.500	1/25	616519000

Cup wheels, tapered


	Diameter x thickness x bore mm	Maximum speed /min	Sales unit / packaging unit	Order number
	<b>Quality class A 16-Q</b>			
	<ul style="list-style-type: none"> <li>■ Surface grind across the entire metal processing sector with angle grinders</li> <li>■ Hardness: hard</li> <li>■ Resin-bonded</li> <li>■ Good cutting output with good tool life</li> <li>■ Maximum working speed 50 m/s</li> <li>■ For angle grinders with disc diameters of 180 mm and 230 mm</li> </ul>			
	110 x 55 x 22.23	8.600	1/6	616170000
	110 x 55 x 22.23	8.600	1/1	630725000*
	110 x 55 x 22.23	8.600	1/1	630726000*


\*Self-service packaging

Diameter x thickness x bore mm	Maximum speed /min	Sales unit / packaging unit	Order number	
 <p><b>Quality class C 16-N</b></p> <ul style="list-style-type: none"> <li>For rough work, even for cast iron</li> <li>Resin-bonded</li> <li>Good cutting output with good tool life</li> <li>Surface grinding across the entire stone processing sector</li> <li>Also suitable for cast iron materials and non-ferrous metals</li> <li>Maximum working speed 50 m/s</li> <li>For angle grinders with disc diameters of 180 mm and 230 mm</li> <li>Hardness: medium-hard</li> </ul>	110 x 55 x 22.23	8.600	1/6	616171000
	110 x 55 x 22.23	8.600	1/1	630726000*

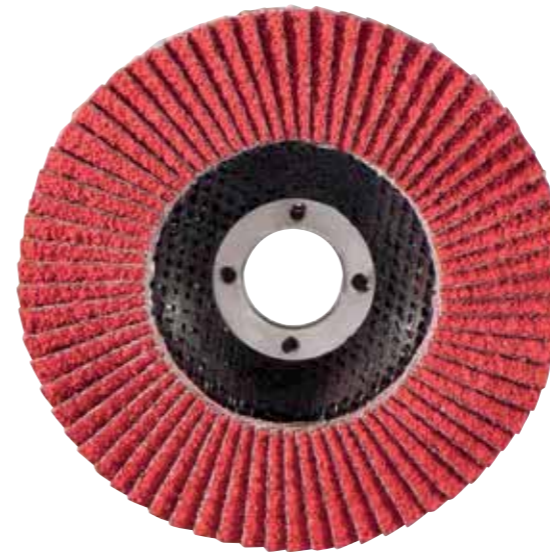
 <p><b>Quality class C 36-M</b></p> <ul style="list-style-type: none"> <li>For general tasks</li> <li>Resin-bonded</li> <li>Good cutting output with good tool life</li> <li>Surface grinding across the entire stone processing sector</li> <li>Also suitable for cast iron materials and non-ferrous metals</li> <li>Maximum working speed 50 m/s</li> <li>For angle grinders with disc diameters of 180 mm and 230 mm</li> <li>Hardness: medium-hard</li> </ul>	110 x 55 x 22.23	8.600	1/6	616177000
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Cup wheels, cylindrical

Diameter x thickness x bore mm	Maximum speed /min	Sales unit / packaging unit	Order number	
 <p><b>Quality class A 80-M steel</b></p> <ul style="list-style-type: none"> <li>Surface grind for all metal processing needs</li> <li>Hardness: medium</li> <li>Resin-bonded</li> <li>Good cutting output with good tool life</li> <li>Only for dry sanding/grinding</li> <li>Maximum working speed 50 m/s</li> <li>For angle grinders with wheel diameters of 115 mm, 125 mm and 150 mm</li> </ul>	80 x 25 x 22.23	11.940	1/20	629174800
	80 x 25 x 22.23	11.940	1/1	630727000*

 <p><b>Quality class C 30-N stone</b></p> <ul style="list-style-type: none"> <li>Surface grind for all stone processing needs</li> <li>Hardness: medium</li> <li>Resin-bonded</li> <li>Good cutting output with good tool life</li> <li>Only for dry sanding/grinding</li> <li>Maximum working speed 50 m/s</li> <li>For angle grinders with wheel diameters of 115 mm, 125 mm and 150 mm</li> </ul>	80 x 25 x 22.23	11.940	1/20	629175300
	80 x 25 x 22.23	11.940	1/1	630728000*

FLAP DISCS AND FIBRE SANDING DISCS WITH CERAMIC GRAIN



THE METABO CONVEX FLAP DISCS.



- Extremely long tool life with high-grade ceramic grain
  - Extremely high material removal with low effort
  - Uniform material removal across the entire service life with self-sharpening ceramic grain
  - Good bonding of the ceramic grain on the carrier material
  - Grind-active additional layer
  - Cool grinding on surfaces and edges
  - Fields of application: Processing of sheet metal, container construction, die-cast parts, pipes, bars, metal, stainless steel, high-alloy steels, titanium alloy, chrome-nickel steel, brass, bronze etc.
- Ideal also for extreme grinding jobs

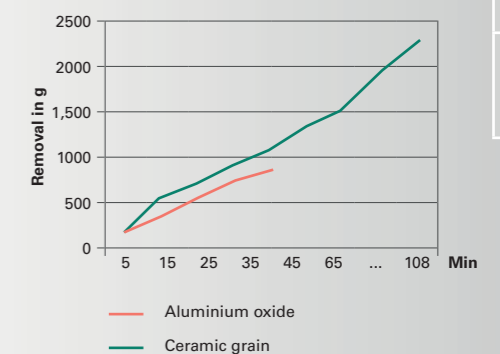
- The ideal shape for fillet welds Achieve the optimum finish faster
- Extremely long tool life thanks to high-quality ceramic grit and/or zirconia alumina
- Extremely high and fast material removal thanks to high-quality ceramic grit and/or zirconia alumina
- Faster and more efficient work results thanks to the design which is ideally adapted to fillet welds, also suitable for surface grinding
- Particularly long service life thanks to the use of ceramic grit and/or zirconia alumina and the high number of lamellae
- Specially shaped flap disc with lamellae that are rounded off towards the outer edges, suitable for all angle grinders
- Maximum working speed 80 m/s



In the ceramic grit, fine aluminium oxide (Al<sub>2</sub>O<sub>3</sub>) crystals are bonded to each other by means of a sintering process. The grinding forces cause the micro crystals to break off during the grinding process so that the grinding grit always gets new, sharp cutting edges.




	Removed material after the end of the grinding time
Aluminium Oxide	890.0 g
Ceramic grain	2295.0 g




A ceramic grit fibre disc manages 2.5 times the removal of an aluminium oxide disc



\*Self-service packaging

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Flap disc							
	Diameter x bore mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order number	
 <p><b>Quality class aluminium oxide "Flexiamant"</b></p> <ul style="list-style-type: none"> <li>■ Suitable for rough and intermediate grinding of steel, non-ferrous metals, wood and plastics</li> <li>■ High lamellar lining on glass fibre plate</li> <li>■ Uniform grinding capacity</li> <li>■ Cool grinding</li> <li>■ Low noise level</li> <li>■ Uniform grinding finish, comfortable grinding with only low vibrations</li> <li>■ Maximum working speed 80 m/s</li> </ul>	115 x 22.23	P 40	—	13.300	1/10	624391000	
	115 x 22.23	P 60	—	13.300	1/10	624392000	
	115 x 22.23	P 80	—	13.300	1/10	624393000	
	115 x 22.23	P 120	—	13.300	1/10	624394000	
	125 x 22.23	P 40	—	12.200	1/10	624395000	
	125 x 22.23	P 60	—	12.200	1/10	624396000	
	125 x 22.23	P 80	—	12.200	1/10	624397000	
	125 x 22.23	P 120	—	13.300	1/10	624398000	
	 <p><b>Quality class zirconia alumina "Novoflex"</b></p> <ul style="list-style-type: none"> <li>■ Suitable for rough and intermediate grinding in all fields of metalworking including stainless steel, steel, cast iron, and sheet steel</li> <li>■ Quality "Novoflex": powerful entry-level class</li> <li>■ Uniform grinding capacity</li> <li>■ Cool grinding</li> <li>■ Uniform grinding finish, comfortable grinding with only low vibrations</li> <li>■ Most suitable for processing stainless steels</li> <li>■ Maximum working speed 80 m/s</li> </ul>	115 x 22.23	P 40	—	13.300	1/10	623175000
		115 x 22.23	P 60	—	13.300	1/10	623176000
115 x 22.23		P 80	—	13.300	1/10	623177000	
115 x 22.23		P 120	—	13.300	1/10	623178000	
125 x 22.23		P 40	—	12.200	1/10	623195000	
125 x 22.23		P 60	—	12.200	1/10	623196000	
125 x 22.23		P 80	—	12.200	1/10	623197000	
125 x 22.23		P 120	—	12.200	1/10	623198000	
178 x 22.23		P 40	—	8.500	1/10	623112000	
178 x 22.23		P 60	—	8.500	1/10	623114000	
178 x 22.23		P 80	—	8.500	1/10	623115000	
 <p><b>Quality class zirconia alumina "Flexiamant Convex"</b></p> <ul style="list-style-type: none"> <li>■ Suitable for rough and intermediate grinding in all fields of metalworking including stainless steel, steel, cast iron, and sheet steel</li> <li>■ High lamellar lining on glass fibre plate</li> <li>■ Uniform grinding capacity</li> <li>■ Cool grinding</li> <li>■ Low noise level</li> <li>■ Uniform grinding finish, comfortable grinding with only low vibrations</li> <li>■ Most suitable for processing stainless steels</li> <li>■ Maximum working speed 80 m/s</li> </ul>		115 x 22.23	P 40	—	13.300	1/10	624241000
		115 x 22.23	P 60	—	13.300	1/10	624243000
		115 x 22.23	P 80	—	13.300	1/10	624244000
	115 x 22.23	P 120	—	13.300	1/10	624239000	
	125 x 22.23	P 40	—	12.200	1/10	624275000	
	125 x 22.23	P 60	—	12.200	1/10	624277000	
	125 x 22.23	P 80	—	12.200	1/10	624278000	
	125 x 22.23	P 120	—	12.200	1/10	624279000	
	178 x 22.23	P 40	—	8.500	1/10	624256000	
	178 x 22.23	P 60	—	8.500	1/10	624258000	
	178 x 22.23	P 80	—	8.500	1/10	624259000	
	178 x 22.23	P 120	—	8.500	1/10	624276000	
	115 x 22.23	P 40	—	13.300	1/10	624246000	

	Diameter x bore mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order number	
	115 x 22.23	P 60	—	13.300	1/10	624247000	
	115 x 22.23	P 80	—	13.300	1/10	624248000	
	125 x 22.23	P 40	—	12.200	1/10	624475000	
	125 x 22.23	P 60	—	12.200	1/10	624477000	
	125 x 22.23	P 80	—	12.200	1/10	624478000	
	178 x 22.23	P 40	—	8.500	1/10	624356000	
	178 x 22.23	P 60	—	8.500	1/10	624358000	
	178 x 22.23	P 80	—	8.500	1/10	624359000	
 <p><b>NEW</b></p> <p><b>Quality class ceramics "Flexiamant Super"</b></p> <ul style="list-style-type: none"> <li>■ Extremely high cutting output with little effort thanks to the self-sharpening ceramic grain.</li> <li>■ Excellent results for surface and edge grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li> <li>■ Very high tool life; cool grinding on surfaces and edges</li> <li>■ Uniform grinding finish, comfortable grinding with only low vibrations</li> <li>■ Maximum working speed 80 m/s</li> </ul>	115 x 22.23	P 40	—	13.300	1/10	626166000	
	115 x 22.23	P 60	—	13.300	1/10	626167000	
	115 x 22.23	P 80	—	13.300	1/10	626168000	
	125 x 22.23	P 40	—	12.200	1/10	626169000	
	125 x 22.23	P 60	—	12.200	1/10	626170000	
	125 x 22.23	P 80	—	12.200	1/10	626171000	
	 <p><b>Quality class zirconia alumina "Flexiamant Convex"</b></p> <ul style="list-style-type: none"> <li>■ Specially shaped flap disc with lamellae that are rounded off towards the outer edges.</li> <li>■ Grinding media: Zirconia alumina</li> <li>■ Thanks to the special design it is particularly suited for processing fillet welds; making faster and more efficient processing possible; also suitable for surface grinding</li> <li>■ High cutting output with very high tool life thanks to the use of zirconia alumina</li> <li>■ Suitable for processing stainless steel and steel</li> <li>■ Uniform grinding finish, comfortable grinding with only low vibrations</li> <li>■ Maximum working speed 80 m/s</li> </ul>	125 x 22.23	P 40	—	12.200	1/10	626462000
		125 x 22.23	P 60	—	12.200	1/10	626463000
		125 x 22.23	P 80	—	12.200	1/10	626464000
		150 x 22.23	P 40	—	10.200	1/10	626490000
150 x 22.23		P 60	—	10.200	1/10	626491000	
150 x 22.23		P 80	—	10.200	1/10	626492000	
 <p><b>Quality class ceramics "Flexiamant Super Convex"</b></p> <ul style="list-style-type: none"> <li>■ Specially shaped flap disc with lamellae that are rounded off towards the outer edges.</li> <li>■ Thanks to the special design it is particularly suited for processing fillet welds; making faster and more efficient processing possible; also suitable for surface grinding</li> <li>■ Very high cutting output with very high tool life thanks to the use of ceramic grain.</li> <li>■ Cool cut for materials with poor thermal conduction</li> <li>■ For grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li> <li>■ Uniform grinding finish, comfortable grinding with only low vibrations</li> <li>■ Maximum working speed 80 m/s</li> </ul>		125 x 22.23	P 60	—	12.200	1/10	626460000
		125 x 22.23	P 80	—	12.200	1/10	626461000
		150 x 22.23	P 60	—	10.200	1/10	626488000
		150 x 22.23	P 80	—	10.200	1/10	626489000

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Flap wheels

Diameter mm	Thickness mm	Female thread	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order number
 <p><b>Quality class ceramics "Flexiamant Super"</b></p> <ul style="list-style-type: none"> <li>Flap wheel with straight, profiled lamellae particularly suited for processing fillet welds. The profiled lamellae, arranged radially in the shape of a fan, adapt exceptionally well to the contours of the work piece. Ideally suited for an even and smooth weld seam. Thanks to the offset shape it can also be used at hard to reach places.</li> <li>Very high cutting output with very high tool life thanks to the use of ceramic grain.</li> <li>Excellent results for surface and edge grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.</li> <li>Cool cut for materials with poor thermal conduction</li> <li>Max. speed: 10,000/ min</li> </ul>							
125	8	M 14	P 40		10.000	1/5	626470000
125	8	M 14	P 60		10.000	1/5	626471000
125	8	5/8 "	P 40		10.000	1/5	626486000
125	8	5/8 "	P 60		10.000	1/5	626487000

Fibre grinding discs

Diameter x bore mm	Grit	Maximum speed /min	Sales unit / packaging unit	Order number
 <p><b>Aluminium oxide, hole type: round hole, slotted</b></p> <ul style="list-style-type: none"> <li>Suitable for use throughout the metal industry</li> <li>For rough and fine grinding jobs</li> <li>Processing weld joints, removing rust, deburring</li> <li>High cutting output with good tool life</li> <li>Even grinding results</li> <li>Maximum working speed 80 m/s</li> <li>Fibre discs for clamping on backing pad!</li> </ul>				
100 x 16	P 24	15.300	1/25	624094000
115 x 22.23	P 16	13.300	1/25	624135000
115 x 22.23	P 24	13.300	1/25	624136000
115 x 22.23	P 36	13.300	1/25	624145000
115 x 22.23	P 40	13.300	1/25	624137000
115 x 22.23	P 50	13.300	1/25	624144000
115 x 22.23	P 60	13.300	1/25	624138000
115 x 22.23	P 80	13.300	1/25	624139000
115 x 22.23	P 100	13.300	1/25	624140000
115 x 22.23	P 120	13.300	1/25	624141000
115 x 22.23	P 150	13.300	1/25	624142000
115 x 22.23	P 180	13.300	1/25	624143000
125 x 22.23	P 16	12.200	1/25	624223000
125 x 22.23	P 24	12.200	1/25	624218000
125 x 22.23	P 36	12.200	1/25	624216000
125 x 22.23	P 40	12.200	1/25	624219000
125 x 22.23	P 50	12.200	1/25	624217000
125 x 22.23	P 60	12.200	1/25	624220000
125 x 22.23	P 80	12.200	1/25	624221000
125 x 22.23	P 100	12.200	1/25	624222000
125 x 22.23	P 120	12.200	1/25	624224000
125 x 22.23	P 150	12.200	1/25	624225000
125 x 22.23	P 180	12.200	1/25	624226000
180 x 22.23	P 16	8.500	1/25	624123000
180 x 22.23	P 24	8.500	1/25	624103000
180 x 22.23	P 30	8.500	1/25	624124000
180 x 22.23	P 36	8.500	1/25	624122000
180 x 22.23	P 40	8.500	1/25	624104000

Diameter x bore mm	Grit	Maximum speed /min	Sales unit / packaging unit	Order number
180 x 22.23	P 50	8.500	1/25	624102000
180 x 22.23	P 60	8.500	1/25	624105000
180 x 22.23	P 80	8.500	1/25	624106000
180 x 22.23	P 100	8.500	1/25	624107000
180 x 22.23	P 120	8.500	1/25	624101000
230 x 22.23	P 24	6.600	1/25	624227000
230 x 22.23	P 40	6.600	1/25	624228000
 <p><b>Zirconia alumina, hole type: round hole, slotted</b></p> <ul style="list-style-type: none"> <li>Suitable for use throughout the metal industry</li> <li>For rough and fine grinding jobs</li> <li>Especially for processing stainless steel</li> <li>High cutting output with good tool life</li> <li>Even grinding results</li> <li>Maximum working speed 80 m/s</li> <li>Fibre discs for clamping on backing pad!</li> </ul>				
115 x 22.23	P 36	13.300	1/25	622971000
115 x 22.23	P 40	13.300	1/25	622972000
115 x 22.23	P 50	13.300	1/25	622973000
115 x 22.23	P 60	13.300	1/25	622974000
115 x 22.23	P 80	13.300	1/25	622975000
115 x 22.23	P 100	13.300	1/25	622976000
115 x 22.23	P 120	13.300	1/25	622977000
125 x 22.23	P 36	12.200	1/25	622981000
125 x 22.23	P 40	12.200	1/25	622982000
125 x 22.23	P 60	12.200	1/25	622984000
125 x 22.23	P 80	12.200	1/25	622985000
125 x 22.23	P 100	12.200	1/25	622986000
125 x 22.23	P 120	12.200	1/25	622987000
180 x 22.23	P 36	8.500	1/25	622991000
180 x 22.23	P 40	8.500	1/25	622992000
180 x 22.23	P 60	8.500	1/25	622994000
180 x 22.23	P 80	8.500	1/25	622995000
180 x 22.23	P 100	8.500	1/25	622996000
180 x 22.23	P 120	8.500	1/25	622997000
 <p><b>Ceramics, hole type: round hole, slotted</b></p> <ul style="list-style-type: none"> <li>Self-sharpening ceramic grain for extremely high cutting output with little effort</li> <li>Excellent results for surface grinding of steel and stainless steel. Ideal for extreme grinding jobs such as processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze, thanks to high load capacity.</li> <li>Very high tool life; cool grinding</li> <li>Ceramic filter discs achieve their best performance on powerful angle grinders with increased down pressure.</li> <li>Fibre discs for clamping on backing pad! The backing pads with cooling ribs are recommended for clamping the ceramic fibre discs (e.g. Ø 125 mm, 623291000)</li> <li>Maximum working speed 80 m/s</li> </ul>				
115 x 22.23	P 24	13.300	1/25	626150000
115 x 22.23	P 36	13.300	1/25	626151000
115 x 22.23	P 60	13.300	1/25	626152000
115 x 22.23	P 80	13.300	1/25	626153000
125 x 22.23	P 24	12.200	1/25	626154000
125 x 22.23	P 36	12.200	1/25	626155000
125 x 22.23	P 60	12.200	1/25	626156000
125 x 22.23	P 80	12.200	1/25	626157000
180 x 22.23	P 24	8.500	1/25	626158000
180 x 22.23	P 36	8.500	1/25	626159000
180 x 22.23	P 60	8.500	1/25	626160000
180 x 22.23	P 80	8.500	1/25	626161000

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Semi-flexible sanding sheets



Semi-flexible sanding sheets

- Suitable for use on masonry and stone work
  - Grinding media: SiC (silicon carbide); maximum working speed: 80/s
- For use with the elastic backing pad 623279000  
 Diameter: 115 mm  
 Grit: C 24  
 Material suitability: stone  
 Sales unit: 10

Order number

624873000

Cleaning fleeces



- For the removal of light rust, paint / varnish on metal, cleaning weld seams / steel / copper / aluminium / brass, sanding steel and texturing wood.
- Maximum working speed: 63 m/s
- Recommended speeds at Ø 115 mm: 2,900 /min, Ø 125 mm: 2,700 /min

Diameter x bore mm	Sales unit	Order number
115 x 22.23	1	624346000*
125 x 22.23	1	624347000*

Backing Pads for Fibre Grinding Discs

Backing pads, standard



- Standard version for medium to rough grinding work
- For use with fibre grinding discs
- All pads with adjusting nut
- Maximum working speed 80 m/s
- 626418000: Special version with longer clamping nut for use on Metabo angle grinders with Autobalancer / brake

Diameter mm	Flange nut	Maximum speed /min	Order number
112	M 14	13.300	623279000*
122	M 14	12.200	623278000*
122	M 14	12.200	626418000*
175	M 14	8.500	623275000*
220	M 14	6.600	623280000*
112	5/8 "	13.300	623283000*
122	5/8 "	12.200	623284000*
175	5/8 "	8.500	623281000*
220	5/8 "	6.600	623282000*

Backing pad with cooling ribs



- For use with fibre grinding discs
- Backing pads with cooling ribs are mainly used for all coarse grinding jobs. Also suitable for processing stainless steel
- The cooling ribs run radially on the grinding surface reducing overheating of workpiece and backing pad
- All pads with adjusting nut
- Maximum working speed 80 m/s

Diameter mm	Flange nut	Maximum speed /min	Order number
112	M 14	13.300	623290000*
122	M 14	12.200	623291000*
175	M 14	8.500	623292000*

Steel Wire Brushes

Steel-wire cup brushes, twisted steel



- For universal use in metal processing, e.g. for cleaning, deburring, purging, removing rust, smoothing welding seams and points, stripping slag, scales and old paint
- For processing large areas, weld seams etc.
- Edging type: twisted steel wire

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit / packaging unit	Order number
65	M 14	0.35 mm	11.000	1	623796000*
65	M 14	0.35 mm	11.000	50/1	623796700
65	5/8 "	0.50 mm	11.000	1	623804000*
80	M 14	0.50 mm	8.600	1	623710000*
100	M 14	0.50 mm	8.600	1	623711000*
100	5/8 "	0.80 mm	8.600	1	623720000*

Steel-wire cup brushes, stainless steel, twisted



- For universal use in stainless steel processing, e.g. for smoothing welding seams and points, stripping slag, scales and old paint. Ideally suited for processing stainless steels
- Edging type: twisted stainless steel wire

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit / packaging unit	Order number
65	M 14	0.35 mm	11.000	1	623801000*
65	5/8 "	0.35 mm	11.000	1	623805000*

Steel-wire cup brushes, crimped steel



- For light surface processing and deburring work in all metal processing
- For processing larger areas, weld seams, metal plates
- Edging type: crimped steel wire

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit / packaging unit	Order number
75	M 14	0.30 mm	11.000	1	623715000*
100	M 14	0.30 mm	8.600	1	623719000*
100	5/8 "	0.30 mm	8.600	1	623721000*

\*Self-service packaging

Steel-wire wheel brushes, twisted steel

NEW



- For universal use in metal processing, e.g. for processing of profiles, cutting edges, gear wheels, grooves, smoothing welding seams and points, stripping slag, scales and old paint
- Especially suitable for processing narrow workpieces as well as inner edges
- Edging type: twisted steel wire
- 628803000: offset version; 626815000 and 626816000: pleat thickness 6.0 mm

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit / packaging unit	Order number
100	M 14	0.50 mm	12.500	1/1	623803000*
115	M 14	0.50 mm	12.500	1/1	626770000*
125	M 14	0.50 mm	12.500	1/1	626771000*
125	M 14	0.50 mm	12.500	1/1	626815000*
150	M 14	0.50 mm	10.000	1/1	626816000*

Steel-wire wheel brushes, twisted steel

NEW

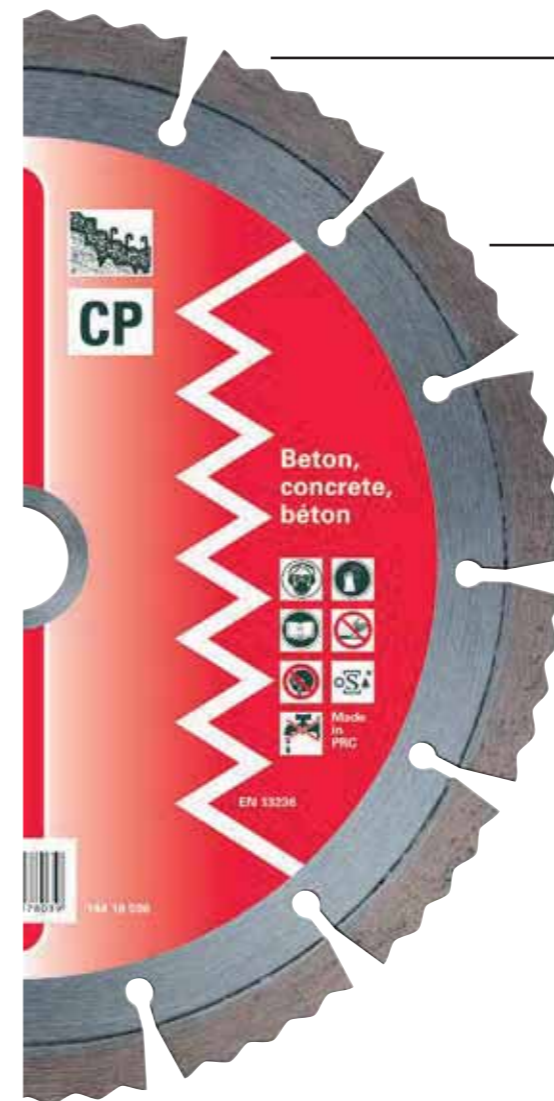


- For universal use in metal processing, e.g. smoothing weld seams and points, stripping slag, scales and old paint
- Especially suitable for processing narrow workpieces as well as inner edges
- Most suitable for processing stainless steels
- Edging type: twisted stainless steel wire

Diameter mm	Female thread	Wire thickness	Maximum speed /min	Sales unit / packaging unit	Order number
115	M 14	0.50 mm	12.500	1/1	626778000*

# DIAMOND CUTTING DISCS: EXTREMELY EASY CUTTING, PRECISE AND DURABLE.

When processing concrete and natural stone you require high-quality, robust diamond discs. Metabo diamond cutting discs guarantee precise cutting as they are made from high-quality synthetic diamonds. The main disc body is made from hardened steel and thus guarantees highest safety criteria.



**Structure and function of Metabo diamond cutting discs**

**The saw blade**  
For the stability and smooth running accuracy, the steel core of the Metabo diamond cutting discs is made of hardened steel of a very high quality. The notches between the segments are for cooling purposes and give the disc the required stability.

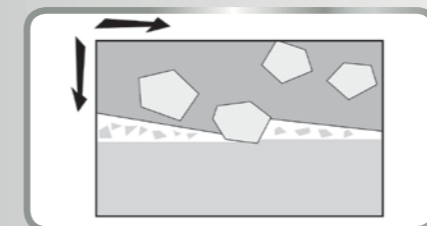
**The cutting segments**  
The diamond studded segments consist of a mixture of diamond grit and metal powder. In manufacturing of the Metabo diamond cutting discs, only synthetic diamonds of the best quality are used. The mixture of diamonds and bonding agent is compacted under high pressure and temperature. During this process the cutting segment obtains its form. It is thicker than the basic blade so that a relief clearance is obtained.

**Quality and area of application**  
The bond between the cutting segments and main disc body is a distinct aspect which you can use to measure for quality and/or the application in which the disc was designed for use:

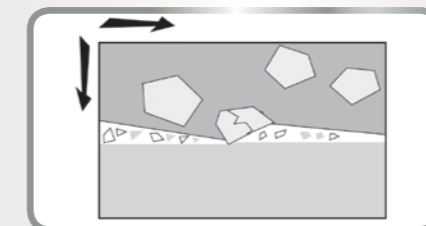
**Soldering:**  
The connection between segment tips and the main disc is bonded with a silver solder. These discs are only utilized when cutting with water coolant. Due to the high temperatures generated when dry-cutting, segments can become detached. **Increased risk of accidents!**

**Sintering:**  
The cutting segments are bonded to the disc body with temperature and pressure. This bond is so strong that sintered cutting discs can be used for dry-cutting without a problem.

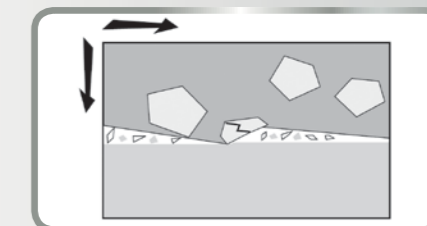
**Laser welding:**  
The best bond is presently obtained with the laser welding process. With the laser beam a strong micro bond between segment and the main disc body is obtained.  
**Laser welding gives safety of the highest level.**



**Mode of operation**  
Each Metabo diamond cutting disc is "sharpened" at the factory for immediate use. During the sharpening process, the residues between the individual diamonds on the cutting segment are removed.



The metal bond holds all diamonds in place. During the cutting process the exposed diamonds slice through the contact material, leaving only a fine dust afterwards.



During the cutting process the diamonds splinter or break off. The harder the contact material the greater the wear. Simultaneously the material in the segment bond also wears off and by bit new diamonds are exposed.

\*Self-service packaging

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**WHICH DIAMOND CUTTING DISC IS SUITABLE FOR WHICH APPLICATION?**

	Quality class "Professional"					Quality class »Classic«																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	UP Universal	UP-T ...Turbo	CP Concrete	AP Abrasive	TP Tiles	UC Universal	UC-T ...Turbo	CC Concrete	AC Abrasive	TC Tiles																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Segment height	12 mm	10 mm	12 mm	12 mm	10 mm	7 mm	8 mm	7 mm	7 mm	8 mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
Material											Asbestos cement	■	■		■		■	■		■		Basalt	■	■	■			■	■	■			Concrete	■	■	■			■	■	■			Reinforced concrete	■	■	■			■	■	■			Concrete, curb stones	■	■	■			■	■	■			Concrete plate	■	■	■			■	■	■			Concrete roof tiles	■	■	■	■		■	■	■	■		Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■	
Asbestos cement	■	■		■		■	■		■		Basalt	■	■	■			■	■	■			Concrete	■	■	■			■	■	■			Reinforced concrete	■	■	■			■	■	■			Concrete, curb stones	■	■	■			■	■	■			Concrete plate	■	■	■			■	■	■			Concrete roof tiles	■	■	■	■		■	■	■	■		Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■												
Basalt	■	■	■			■	■	■			Concrete	■	■	■			■	■	■			Reinforced concrete	■	■	■			■	■	■			Concrete, curb stones	■	■	■			■	■	■			Concrete plate	■	■	■			■	■	■			Concrete roof tiles	■	■	■	■		■	■	■	■		Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																							
Concrete	■	■	■			■	■	■			Reinforced concrete	■	■	■			■	■	■			Concrete, curb stones	■	■	■			■	■	■			Concrete plate	■	■	■			■	■	■			Concrete roof tiles	■	■	■	■		■	■	■	■		Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																		
Reinforced concrete	■	■	■			■	■	■			Concrete, curb stones	■	■	■			■	■	■			Concrete plate	■	■	■			■	■	■			Concrete roof tiles	■	■	■	■		■	■	■	■		Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																													
Concrete, curb stones	■	■	■			■	■	■			Concrete plate	■	■	■			■	■	■			Concrete roof tiles	■	■	■	■		■	■	■	■		Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																								
Concrete plate	■	■	■			■	■	■			Concrete roof tiles	■	■	■	■		■	■	■	■		Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																			
Concrete roof tiles	■	■	■	■		■	■	■	■		Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																														
Concrete industrial floors			■					■			Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																									
Roof tiles, red	■	■	■	■	■	■	■	■	■	■	Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																				
Screed	■	■		■		■	■		■		Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																															
Fibre cement	■	■		■		■	■		■		Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																																										
Glazed tiles					■					■	Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																																																					
Non-glazed tiles					■					■	Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																																																																
Gas or porous concrete	■	■		■		■	■		■		Grey concrete	■	■		■		■	■		■		Gneiss	■	■	■			■	■	■			Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																																																																											
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Granite	■	■	■			■	■	■			Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																																																																																																												
Sand-lime brick, medium hard	■	■	■	■		■	■	■	■		Sand-lime brick, soft	■	■		■		■	■		■		Sand-lime brick, hard	■	■	■			■	■	■			Ceramic					■					■	Clinkers, hard	■	■	■			■	■	■			Clinkers, soft	■	■		■		■	■		■		Marble, dense, not abrasive	■	■	■	■	■	■	■	■	■	■	Marble, abrasive, crystalline	■	■	■	■	■	■	■	■	■	■	Mortar	■	■		■		■	■		■		Natural sandstone, medium hard	■	■	■	■		■	■	■	■		Natural sandstone, soft	■	■		■		■	■		■		Natural slate	■	■	■	■		■	■	■	■		Proton	■	■		■		■	■		■		Porphyry	■	■	■			■	■	■			Sandstone, medium hard	■	■	■	■		■	■	■	■		Sandstone, hard	■	■	■	■		■	■	■	■		Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																																																																																																																							
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Sandstone, soft	■	■		■		■	■		■		Fireclay, hard	■	■	■			■	■	■			Slate stones	■	■	■			■	■	■			Silicate stones, very abrasive				■					■		Terrazzo	■	■	■	■		■	■	■	■		Clay pipes	■	■		■		■	■		■		Clay tile	■	■		■	■	■	■		■	■	Travertine	■	■		■		■	■		■		Exposed aggregate concrete	■	■	■			■	■	■			Glazed brick			■					■			Brick, abrasive	■	■		■		■	■		■																																																																																																																																																																																																																																																																																																																																																																																							
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■ ■ ■ = highly suitable      ■ = only partially suitable. The exclusive use of these materials will result in reduced service life or reduced cutting capacity  
 ■ ■ = well suited

**Diamond Cutting Discs**


**Segmented for general building materials**

	Diameter x bore mm	Segment dimensions mm	Number of segments	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »classic« / UC</b></p> <ul style="list-style-type: none"> <li>Well suited for all construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone and clay tiles.</li> <li>Good cutting performance, optimum tool life</li> <li>Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 400 mm: 100 m/s)</li> </ul>	115 x 22.23	32 x 2.15 x 7	8	13.200	1	628156000*
	125 x 22.23	32 x 2.15 x 7	9	12.200	1	628157000*
	150 x 22.23	38 x 2.15 x 7	10	10.200	1	628158000*
	180 x 22.23	38 x 2.3 x 7	14	8.500	1	628159000*
	230 x 22.23	40 x 2.5 x 7	15	6.600	1	628160000*
	300 x 20 / 22.23 / 25.4	40 x 3.2 x 7	20	6.300	1	628161000*
	350 x 20 / 22.23 / 25.4	40 x 3.2 x 7	24	5.400	1	628164000*
400 x 20	40 x 3.2 x 7	28	4.700	1	628166000*	
 <p><b>Quality class »professional« / UP</b></p> <ul style="list-style-type: none"> <li>Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.</li> <li>The universal disc with high quality diamonds for optimal cutting performance and a long tool life.</li> <li>Laser welded diamond segments</li> <li>Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 400 mm: 100 m/s)</li> </ul>	115 x 22.23	32 x 2.15 x 12	8	13.200	1	628111000*
	125 x 22.23	32 x 2.15 x 12	9	12.200	1	628112000*
	125 x 22.23	32 x 2.15 x 12	9	12.200	2	628113000*
	150 x 22.23	38 x 2.15 x 12	10	10.200	1	628114000*
	180 x 22.23	40 x 2.3 x 12	14	8.500	1	628115000*
	230 x 22.23	40 x 2.5 x 12	15	6.600	1	628116000*
	230 x 22.23	40 x 2.5 x 12	15	6.600	2	628117000*
	300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6.300	1	628118000*
	350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5.400	1	628121000*
	400 x 25.4	40 x 3.2 x 12	28	4.700	1	628123000*


**For general building materials, closed edge "Turbo"**


	Diameter x bore mm	Segment dimensions mm	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »classic« / UC-T</b></p> <ul style="list-style-type: none"> <li>Well suited for all construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone and clay tiles.</li> <li>The circumferentially closed cutting edge provides a clean cutting edge without material chipping, good cutting performance and optimal tool life.</li> <li>Laser welded diamond segments, segment height: 8.0 mm; Maximum working speed 80 m/s</li> </ul>	115 x 22.23	2 x 8	13.200	1	628167000*
	125 x 22.23	2 x 8	12.200	1	628168000*
	150 x 22.23	2 x 8	10.200	1	628169000*
	180 x 22.23	2.3 x 8	8.500	1	628170000*
	230 x 22.23	2.5 x 8	6.600	1	628171000*

\*Self-service packaging


Diameter x bore mm	Segment dimensions mm	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »professional« / UP-T</b></p> <ul style="list-style-type: none"> <li>Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.</li> <li>The circumferentially closed "Turbo" cutting edge provides a clean cutting edge without material chipping, providing optimal cutting performance and long tool life.</li> <li>Sintered cutting edge</li> <li>Segment height: 9.6 mm; Maximum working speed 80 m/s</li> </ul>				
115 x 22.23	2.2 x 9.6	13.200	1	628124000*
125 x 22.23	2.2 x 9.6	12.200	1	628125000*
150 x 22.23	2.2 x 9.6	10.200	1	628126000*
180 x 22.23	2.5 x 9.6	8.500	1	628127000*
230 x 22.23	2.7 x 9.6	6.600	1	628128000*


Segmented; for hard materials

Diameter x bore mm	Segment dimensions mm	Number of segments	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »classic« / CC</b></p> <ul style="list-style-type: none"> <li>Ideal for all hard materials such as concrete (including reinforced), concrete pipes, kerbstones, granite, hard sandstone, facing stones, exposed aggregate concrete.</li> <li>High diamond quality with soft bond for good cutting performance and optimal tool life</li> <li>Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li> </ul>					
115 x 22.23	32 x 2.15 x 7	8	13.200	1	628172000*
125 x 22.23	32 x 2.15 x 7	9	12.200	1	628173000*
150 x 22.23	38 x 2.15 x 7	10	10.200	1	628174000*
180 x 22.23	38 x 2.3 x 7	14	8.500	1	628175000*
230 x 22.23	40 x 2.5 x 7	15	6.600	1	628176000*
300 x 20	40 x 2.8 x 7	20	6.300	1	628177000*
350 x 20	40 x 3.2 x 7	24	5.400	1	628180000*

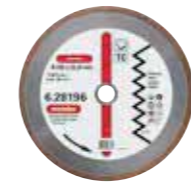
Diameter x bore mm	Segment dimensions mm	Number of segments	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »professional« / CP</b></p> <ul style="list-style-type: none"> <li>Ideal for all hard construction materials such as concrete (including reinforced), concrete pipes, granite, hard sandstones, facing stones, exposed aggregate concrete.</li> <li>The diamond quality and soft bond provides optimal cutting performance and long tool life</li> <li>Laser welded diamond segments</li> <li>Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li> </ul>					
115 x 22.23	32 x 2.15 x 12	8	13.200	1	628129000*
125 x 22.23	32 x 2.15 x 12	9	12.200	1	628130000*
125 x 22.23	32 x 2.15 x 12	9	12.200	2	628131000*
150 x 22.23	38 x 2.15 x 12	10	10.200	1	628132000*
180 x 22.23	40 x 2.3 x 12	14	8.500	1	628133000*
230 x 22.23	40 x 2.5 x 12	15	6.600	1	628134000*
230 x 22.23	40 x 2.5 x 12	15	6.600	2	628135000*
300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6.300	1	628136000*
350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5.400	1	628139000*


Segmented for hard materials

Diameter x bore mm	Segment dimensions mm	Number of segments	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »classic« / AC</b></p> <ul style="list-style-type: none"> <li>For all soft and abrasive materials such as fresh concrete, sand-lime brick, sand stone</li> <li>High diamond quality with hard bond for good cutting performance and optimal tool life</li> <li>Laser welded diamond segments, segment height: 7.0 mm; Maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li> </ul>					
115 x 22.23	32 x 2.15 x 7	8	13.200	1	628182000*
125 x 22.23	32 x 2.15 x 7	9	12.200	1	628183000*
150 x 22.23	38 x 2.15 x 7	10	10.200	1	628184000*
180 x 22.23	38 x 2.3 x 7	14	8.500	1	628185000*
230 x 22.23	40 x 2.5 x 7	15	6.600	1	628186000*
300 x 20	40 x 3.2 x 7	20	6.300	1	628187000*
350 x 20	40 x 3.2 x 7	24	5.400	1	628190000*

Diameter x bore mm	Segment dimensions mm	Number of segments	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »professional« / AP</b></p> <ul style="list-style-type: none"> <li>For best cutting performance in soft, abrasive materials, such as fresh concrete, sand-lime brick, sand stone</li> <li>High diamond quality with soft bond ensures optimal cutting performance and long tool life</li> <li>Laser welded diamond segments</li> <li>Segment height: 12.0 mm; maximum working speed 80 m/s (300 - 350 mm: 100 m/s)</li> </ul>					
115 x 22.23	32 x 2.15 x 12	8	13.200	1	628141000*
125 x 22.23	32 x 2.15 x 12	9	12.200	1	628142000*
150 x 22.23	38 x 2.15 x 12	10	10.200	1	628143000*
180 x 22.23	40 x 2.3 x 12	14	8.500	1	628144000*
230 x 22.23	40 x 2.5 x 12	15	6.600	1	628145000*
300 x 20 / 22.23 / 25.4	40 x 3.2 x 12	20	6.300	1	628146000*
350 x 20 / 22.23 / 25.4	40 x 3.2 x 12	24	5.400	1	628149000*

For tiles; enclosed edge

Diameter x bore mm	Segment dimensions mm	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »classic« / TC</b></p> <ul style="list-style-type: none"> <li>Special disc for all types of tiles, glazed and unglazed, natural stone slabs</li> <li>Good cutting performance and optimal tool life</li> <li>Diamond disc with a good price / performance ratio</li> <li>Sintered cutting edge, segment height: 7.0 mm; Maximum working speed 80 m/s</li> </ul>				
115 x 22.23	1.7 x 7	13.200	1	628192000*
125 x 22.23	1.7 x 7	12.200	1	628193000*
150 x 22.23	1.7 x 7	10.200	1	628194000*
180 x 22.23	1.7 x 7	8.500	1	628195000*
230 x 22.23	1.7 x 7	6.600	1	628196000*

Diameter x bore mm	Segment dimensions mm	Maximum speed /min	Sales unit	Order number
 <p><b>Quality class »professional« / TP</b></p> <ul style="list-style-type: none"> <li>Special disc to meet the highest demands for all types of tiles, glazed and unglazed, natural stone slabs, fine earthenware</li> <li>Optimal cutting quality and long tool life.</li> <li>Sintered cutting edge</li> <li>Segment height: 10.0 mm; Maximum working speed 80 m/s</li> </ul>				
115 x 22.23	1.7 x 10	13.200	1	628151000*
125 x 22.23	1.7 x 10	12.200	1	628152000*
150 x 22.23	1.7 x 10	10.200	1	628153000*
180 x 22.23	1.7 x 10	8.500	1	628154000*
230 x 22.23	1.7 x 10	6.600	1	628155000*

\*Self-service packaging



### Diamond Cup Wheels

**For hard materials, quality class concrete »professional«**



- Powerful diamond grinding wheel. Particularly suited for grinding of thick concrete layers, levelling of concrete, preparation of concrete, removal of sludge residue and formwork seams on concrete, removal of hard cement, chalk-cement-plaster, hard screed, levelling of granite, natural stone and other very hard materials, for clean processing of edges, without chipping
- Maximum working speed 80 m/s

Diameter x bore mm	Number of segments	Sales unit	Order number
125 x 22.23	16	1	628205000*

**For abrasive materials, quality class abrasive »professional«**



- Powerful diamond grinding cup wheel. Particularly suited for grinding of fresh concrete coatings, chalk and cement plaster, gypsum filler, levelling of fresh screed, removal of tile adhesive and processing of marble
- Maximum working speed 80 m/s

Diameter x bore mm	Number of segments	Sales unit	Order number
125 x 22.23	16	1	628206000*

**For concrete coatings, quality class »professional«**



- Powerful specialized cup wheel. Ideally suited for spot grinding and removal of elastic protective coatings (on soft and hard surfaces), adhesives, sealants, removal of latex and oil paints, bitumen, PU/polyurethane, epoxy, elastic adhesive, for removal of lime plaster and gypsum plaster, abrading of resin plaster and hard cement plaster.
- Cup wheel equipped with PCD segments (poly-crystalline diamonds). By virtue of the PCD segments, particularly problematic coatings are removed quickly and effectively without bonding.
- Maximum working speed 80 m/s

Diameter x bore mm	Number of segments	Sales unit	Order number
125 x 22.23	12	1	628208000*

**For hard materials, quality class concrete »classic«**



- Double-coated diamond cup wheel for grinding of thick concrete layers, levelling of concrete, preparation of concrete, removal of sludge skins and formwork seams on concrete, removal of hard cement, chalk-cement-plaster, hard screed, levelling of granite, natural stone and other very hard materials
- Maximum working speed 80 m/s

Diameter x bore mm	Number of segments	Sales unit	Order number
125 x 22.23	20	1	628209000*

**Diamond drill bits for tiles "Dry", M14**



- M14 Thread for use on angle grinders
- Vacuum hard soldered diamonds for a long service life and quick drilling progress
- Aperture in the shank for easy removal of the drilled core
- Developed for dry application, no extra cooling required. We recommend to briefly cool the tip with water in case of drilling in quick succession!
- We recommend using the thickness of the tile / fine earthenware / granite board as useful length. As a rule, max. 2 cm granite boards / work boards up to 5 cm can be drilled. Retract the drill bit often from the drilled hole so that it can cool down!
- Important: Do not drill into the subsurface in case of laid material!

Diameter mm	Overall length mm	Sales unit	Order number
6	64	1	628300000*
8	64	1	628301000*
10	64	1	628302000*
12	64	1	628303000*
14	64	1	628304000*
18	91	1	628305000*
20	91	1	628306000*
25	91	1	628307000*
32	91	1	628308000*
35	91	1	628309000*
40	91	1	628310000*
45	91	1	628318000*
50	91	1	628311000*
55	91	1	628312000*
60	91	1	628313000*
68	91	1	628314000*
75	91	1	628315000*
82	91	1	628316000*

**Diamond drill bit set for tiles**

- M14 Thread for use on angle grinders
- Vacuum hard soldered diamonds for a long service life and quick drilling progress
- Aperture in the shank for easy removal of the drilled core
- Developed for dry use, no separate cooling required

	Order number
<p><b>Diamond drill bit set for tiles "Dry" 7 pieces</b> Set consisting of: each 1 x Ø 6 mm, 8 mm, 14 mm, 35 mm, 40 mm, 50 mm, 68 mm; 1 x Plusbox</p>	628317000
<p><b>Diamond drill bit set for tiles "Dry" , 3 pieces</b> Set consisting of: eache 1 x Ø 35 mm, 50 mm, 68 mm; 1 x Plusbox L 623581000</p>	628322000

### Other Accessories for Angle Grinders

**Bench cut-off stand**



- **Bench cut-off stand**
- Suitable for all Metabo angle grinders with cutting disc Ø 230 mm
- For secure fixed use of the angle grinder as a cutting machine: also suitable for mitre cuts up to 45°
- Largest cut depth when using an angle grinder with 230 mm cutting wheel = 50 mm; maximum span width = 100 mm
- Dimensions of table top: 244 x 321 mm; table height: 34.5 mm
- Scope of delivery: length stop, 6 mm Allen key
- Weight: 9.7 kg

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\*Self-service packaging

Cutting guard clip



- For working with fibre-reinforced, resin-bonded cutting discs
- The cutting guard clip is simply attached to the existing guard of the angle grinder
- Material: plastic
- Suitable for Metabo angle grinder: W..8-..; W..9-..; W..10-..; W..11-..; W..12-..; W..14-..; W..15-..; W..17-..; W 18 LTX; from year of construction 2008

	Order number
Cutting guard clip for Ø 100 mm	630346000
Cutting guard clip for Ø 115 mm	630351000
Cutting guard clip for Ø 125 mm	630352000
Cutting guard clip for Ø 150 mm	630353000

Cutting blade guards, semi-enclosed

Grinding wheel Ø mm	Suitable for	Order number
<b>Abrasive cutting guard, semi-enclosed, with quick adjuster</b>		
180	Metabo angle grinder Ø 180 mm (with clamping lever at the flange)	630370000
230	Metabo angle grinder Ø 230 mm (with clamping lever at the flange)	630371000
180	Metabo angle grinder Ø 180 mm (with clamping lever at the guard)	630356000
230	Metabo angle grinder Ø 230 mm (with clamping lever at the guard)	630357000
125	WEF 9-125 / WF 18 LTX 125	630355000
125	WEF 15-125 Quick, WEVF 10-125 Quick	630372000
125	WQ 1000	630373000
150	WEF 15-150 Quick, WEPF 15-150 Quick, WEPBF 15-150 Quick	630378000
180	W 17-180 / WX 17-180	630388000



Grinding wheel Ø mm	Suitable for	Order number
<b>Abrasive cutting guard, semi enclosed, with holding bolt</b>		
100	W 6-100	630813000
115	W 6-115	630814000
125	W 6-125	630815000
150	WE 1450-150 RT	630362000
125	W 1080-125	630364000
180	W 2000 / WX 2000	630386000
230	W 2000 / WX 2000	630387000

Cutting blade guards with cutting guides



**Cutting extraction hood CED 125**

- Extraction hood with plunge function and optimised flow channel for particularly low-dust cutting both indoors and outdoors
- Compact construction form table can be removed without tools for more flexibility when working close to walls and improved visibility for freehand cuts
- Tool-free adjustable cutting depth
- Robust sheet metal table for tilt-proof operation
- Anti-static plastic prevents electric charging and dust accumulations for a constantly high suction power
- Large, coloured operating elements for simple, tool-free adjustment, even when wearing gloves
- Connection for dust extraction Ø 35/41 mm
- Max. cutting depth for freehand cuts is 27 mm, with table 25 mm
- Suitable for: W..9-125; WEV 10-125 Quick; W..12-1..; WE..15-1..; WE..17-1..; W..8-1..; WE 9-125 Quick; W..11-1..; WQ 1400(only 6.00346); WE 14-1..; Not suitable for angle grinder with Autobalancer; scope of delivery incl. nut with two holes 5/8" and M14.

Grinding disc Ø: 115/125 mm  
Maximum cutting depth: 27 mm

Order number  
626730000



**Cutting extraction hood CED 125 Plus**

- Extraction hood with plunge function and optimised flow channel for particularly low-dust cutting both indoors and outdoors
- Compact construction form table can be removed without tools for more flexibility when working close to walls and improved visibility for freehand cuts
- Cutting depth can be adjusted without tools. Max. cutting depth for freehand cuts is 27 mm, with table 25 mm, with precision guide rail 20 mm
- Robust sheet metal table for tilt-proof operation. Connection for dust extraction Ø 35/41 mm
- Anti-static plastic prevents electric charging and dust accumulations for a constantly high suction power
- Large, coloured operating elements for simple, tool-free adjustment, even when wearing gloves
- Sheet metal table with guide rollers for easy, precise feed. Protect delicate surfaces from scratches.
- Enables the use of a Metabo precision guide rail for cuts with great precision
- Suitable for: W..9-125; WEV 10-125 Quick; W..12-1..; WE..15-1..; WE..17-1..; W..8-1..; WE 9-125 Quick; W..11-1..; WQ 1400 (only 6.00346); WE 14-1..; Not suitable for angle grinder with Autobalancer;
- Scope of deliver incl. nut with two holes 5/8" and M14.

Grinding disc Ø: 115/125 mm  
Maximum cutting depth: 27 mm

Order number  
626731000



**Precision guide rail**

- Guide rail made of sturdy, anodised aluminium extrusion
  - Anti-slip backing provides safe and reliable support and protects the work piece surface against scratches
  - Guide rule, adjustable to eliminate play
- suitable for: Metabo jigsaws, circular saws and router models OFE 738 and Of E 1229 Signal (when using the appropriate accessories; KS 55 FS, KSE 55 Vario Plus, KS 66 Plus, KSE 68 Plus can be used directly); also suitable for the CED 125 Plus cutting guard in connection with an angle grinder  
Total length: 1,500 mm

Order number  
631213000



**Guard 180 mm**

- With nozzles for vacuuming dust from cutting stone slabs
- For Metabo angle grinders 180 mm, except W 17-180 and WX 17-180. For angle grinders with tool-free guard adjustment, the clamping lever has to be removed  
Grinding disc Ø: 180 mm  
Maximum cutting depth: 42 mm





Order number  
631166000









**Guard 230 mm**

- With nozzles for vacuuming dust from cutting stone slabs
- For Metabo angle grinders 230 mm. For angle grinders with tool-free guard adjustment, the clamping lever has to be removed  
Grinding disc Ø: 230 mm  
Maximum cutting depth: 68 mm





Order number  
631167000


Cup grinding wheels with accessories		Order number
	<b>Grinding extraction hood GED 125</b> <ul style="list-style-type: none"> <li>Quick, tool-free installation of the extraction hood on a compatible angle grinder</li> <li>Integrated sliding segment for quick, tool-free access even when wearing gloves, for working close to walls.</li> <li>Extraction hood with flexible brush rim and optimised extraction channel for particularly low-dust grinding indoors and outdoors</li> <li>Anti-static plastic prevents electric charges and dust accumulations ensuring constantly high suction power. Connection for dust extraction Ø 35/41 mm</li> <li>Suitable for: W..9-1.; WEV 10-125 Quick; W..12-1.; WE..15-1.; WE..17-1.; W..8-1.; WE 9-125 Quick; W..11-1.; WQ 1400 (only 6.00346); WE 14-1..</li> </ul>	626732000
	<b>Replacement brush rim GED 125</b>	626733000
	<b>Cup Wheel Guard</b> <ul style="list-style-type: none"> <li>For angle grinders with grinding wheel Ø of 115 mm, 125 mm and 150 mm, for use of cup wheels, adjustable</li> <li>Adjustable</li> </ul>	623276000
	<b>Cup Wheel Guard</b> <ul style="list-style-type: none"> <li>For angle grinders with grinding wheel Ø of 180-230 mm, for use of ceramic cup wheels</li> <li>Adjustable</li> </ul>	623140000




Support handles for angle grinders		Order number
	<b>Metabo VibraTech (MVT) side handle, M 14</b> <ul style="list-style-type: none"> <li>Suitable for all two-hand operated angle grinders with M 14 thread</li> </ul>	627360000*
	<b>Metabo VibraTech (MVT) side handle, M 8</b> <ul style="list-style-type: none"> <li>Suitable for Metabo one-hand operated angle grinders with M 8 thread</li> </ul>	627361000*
	<b>Front handle WS</b> <ul style="list-style-type: none"> <li>Front handle with ideal ergonomics, e.g. for surface grinding with fibre discs, light polishing work with diamond cup wheels etc.</li> <li>Suitable for Metabo angle grinders W..9.; WE 10.; W..12.; WE 15.; WE 17..</li> </ul>	623262000
	<b>Multiple position bar for side handle</b> <ul style="list-style-type: none"> <li>The 180° bar permits variable individual adjustment of the side handle position for ergonomic, low-fatigue working e.g. for cutting jobs or for left-handed users</li> <li>The side handle can be adjusted without tools for changing working positions</li> <li>The robust hexagon shape permits folding the side handle to the rear for safe, two-handed operation in confined spaces</li> <li>Suitable for W..9-1.; WEV 10-125; W..12-1.; WE15-1.; WE..17-1.; W..8-1.; WE9-125; W..11-1.; WEQ 1400-125; WE14-1..</li> </ul>	627362000
		

Hand guard		Order number
	<b>Hand guard</b> <ul style="list-style-type: none"> <li>For fitting under the angle grinder's side support handle when working with the backing pads</li> <li>For all angle grinders</li> </ul>	630327000

\*Self-service packaging

Inner support flange		Order number
	<b>Inner support flange</b> <ul style="list-style-type: none"> <li>For all angle grinders with M14-spindle thread</li> </ul>	630705000
Flange nut		Order number
	<b>Flange nut</b> <ul style="list-style-type: none"> <li>For all angle grinders with M 14-spindle thread</li> </ul>	630706000
»Quick« flange nut		Order number
	<b>»Quick« flange nut M 14</b> <ul style="list-style-type: none"> <li>For all large angle grinders; suitable for other makes (required minimum free spindle length 10 mm); required thread connection M 14; tool-free disc change</li> </ul>	630800000*
	<b>Metabo »Quick« flange nut M 14</b> <ul style="list-style-type: none"> <li>Especially for Metabo Quick system for tool-less disc change at the touch of a button. Suitable for all small Metabo angle grinders with M-Quick spindle button, except W 6-115, W 6-125, WB 11-125 required thread connection M 14</li> </ul>	630802000*

Dust protection filter		Order number
	<ul style="list-style-type: none"> <li>The fine mesh filter prevents coarse particles from entering the motor housing, such as e.g. aluminium shavings, abrasive cloth or fibre discs, accumulations of polishing paste or pieces of rock. Using the filter during these applications increases the service life of the machine.</li> <li>Quick and 100% cleaning of the filter thanks to outside dust grille. The smooth surface, without disturbing edges, corners or ridges prevents the formation of dust accumulation.</li> <li>Simple, tool-free installation and removal of the filter thanks to mounting hook for the air vents</li> </ul>	
<b>Dust protection filter for all angle grinders W12-1xx to WE 17-1xx with standard switch</b>		630791000
<b>Dust protection filter for all angle grinders WP12-1xx to WEP 17-1xx with paddle switch</b>		630792000

Flat-pin spanner		Order number
	<b>Flat-pin spanner</b> For angle grinders with disc diameter 100 mm - 150 mm Model: straight Grinding disc-Ø: 100/150 mm	623934000*
	<b>Flat-pin spanner</b> For angle grinders with disc diameter 180 mm - 230 mm Model: straight Grinding disc-Ø: 180/230 mm	623935000*
	<b>Flat-pin spanner</b> For angle grinders with disc Ø 115-230 mm Model: offset Grinding disc-Ø: 115/230 mm	623910000*

\*Self-service packaging

Ø 175 mm



Technical data	Angle Polisher PE 12-175	Angle Polisher PE 12-175 Set	Angle Polisher PE 12-175 Set
For backing pad up to maximum	175 mm	175 mm	175 mm
Rated input power	1,200 W	1,200 W	1,200 W
Output power	680 W	680 W	680 W
No-load speed	700 - 2,200 /min	700 - 2,200 /min	700 - 2,200 /min
Revolutions at rated load	2,200 /min	2,200 /min	2,200 /min
Torque	14 Nm	14 Nm	14 Nm
Spindle thread	M 14	M 14	M 14
Weight (without power cable)	2.4 kg	2.4 kg	2.4 kg
Cable length	4 m	4 m	4 m

Scope of delivery	602175000 <sup>1)</sup>	602175910 <sup>1)</sup>	602175870 <sup>1)</sup>
Hand guard	■	■	■
Side handle	■	■	■
(delivered without buffing wheel)	■		
Safety goggles			■
1 Hook and loop backing pad (150 mm, hard)		■	
1 Hook and loop polishing sponge, (160x25 mm; coarse)		■	
1 Hook and loop lambswool polishing disc (150 mm)		■	
3 Disc brushes (130 mm; P46, P60, P80)			■
Plastic carry case			■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Powerful polisher with two-level reduced gear for fine grinding and high-gloss polishing of stainless steel and stone surfaces as well as automotive paints
- Powerful polisher with two-level reduced gear for fine grinding and high-gloss polishing of stainless steel and stone surfaces as well as automotive paints
- Renovation set with powerful polisher for restoration of beams of half-timbered houses or for restructuring wood for a perfect rustic effect
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Ergonomic front cap for safe, low-fatigue guiding
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Auto-stop carbon brushes to protect the motor

For Polishing

Hook and loop backing pad



- With hook and loop, for attaching polishing and sanding accessories, maximum working speed: 80 m/s

Diameter mm	Thickness mm	Female thread	Maximum speed	Sales unit	Order number
113	2	M 14	13.000	1	624840000*
123	12	M 14	12.000	1	623287000*
147	12	M 14	10.000	1	623288000*
173	12	M 14	8.500	1	623289000*
113	12	5/8 "	13.000	1	623272000*
173	12	5/8 "	8.500	1	623273000*

hook and loop polishing sponges, coarse



- For polishing up weathered paintwork

Diameter mm	Thickness mm	Sales unit	Order number
80	25	1	624912000*
130	25	1	624913000*
160	25	1	624915000*
160	50	1	624916000*
200	25	1	624917000*

Pressure polishing sponge, fine



- For polishing paintwork

Diameter mm	Thickness mm	Sales unit	Order number
80	20	1	624092000*
130	25	1	624967000*
130	50	1	624926000*
160	25	1	624968000*
160	50	1	624927000*
200	25	1	624925000*
200	50	1	624928000*

\*Self-service packaging

System components

Accessories → 151

hook and loop lambs fleece polishing discs



- For high-gloss polishing

Diameter mm	Sales unit	Order number
85	1	624063000*
130	1	631223000*
150	1	631217000*
185	1	624929000*

Plastic disc brushes



- SiC grinding filaments, undulated, Ø 1.27 mm. For processing, deburring, grinding and structuring of surfaces. Suitable for steel, cast steel, NF-metals, wood, and plastics. Maximum working speed: 19 m/s, recommended speed: 1,200-1,900 min<sup>-1</sup>

Diameter mm	Grit	Sales unit	Order number
130	P 46	1	623740000
130	P 60	1	623741000
130	P 80	1	623742000

Additional Accessories for Polishers

Extension piece



Extension M 14/ M 14

- For working with the backing pads; increases the distance between the machine spindle and the backing pad by approximately 35 mm; with M 14 female thread and M 14 male thread

Order number  
631360000\*

Anchor-head holder for buffing mops



Arbor

- For 2 buffing mops with flanges and adjusting nut

Order number  
623107000\*

Vienna Lime



Vienna Lime

- For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.
- Contents: 300 g, shaker

Order number  
626399000

\*Self-service packaging



# Processing Stainless Steel

IF YOU WANT A PERFECT FINISH,  
YOU NEED PERFECT MACHINES.

MITRED WELDED PIPES

1. BURNISHING






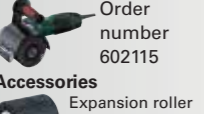
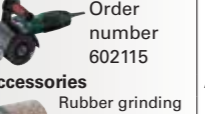
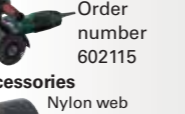
			
WEV 15-125 Quick Inox	WEV 15-125 Quick Inox	KNSE 9-150	RBE 15-180
			
Order number 600572	Order number 600572 <b>Accessories</b> Combination flap disc medium 626370000	Order number 602265 <b>Accessories</b> Unitized fleece compact disc medium 626402000	Order number 602243 <b>Accessories</b> Felt band medium 626320000

2. POLISHING






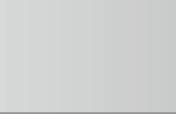
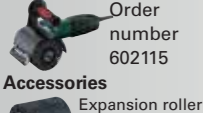
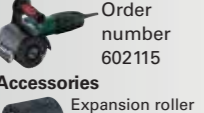
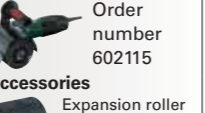
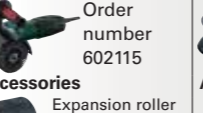
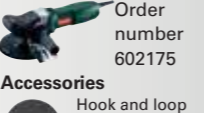
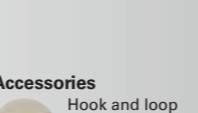
					
RBE 15-180	RBE 15-180	RBE 15-180	RBE 15-180	KNSE 9-150	RBE 15-180
					
Order number 602243 <b>Accessories</b> Metabo Pyramid P 400 (A 45) 626313000	Order number 602243 <b>Accessories</b> Metabo Pyramid P 600 (A 30) 626314000	Order number 602243 <b>Accessories</b> Metabo Pyramid P 1200 (A 16) 626315000	Order number 602243 <b>Accessories</b> Metabo Pyramid P 2000 (A 6) 626316000	Order number 602265 <b>Accessories</b> Unitized compact disc 626401000	Order number 602243 <b>Accessories</b> Felt band soft 626323000 Polishing paste, blue 623524000

WELDED SEAMS ON SURFACES

1. BURNISHING

			
SE 12-115	SE 12-115	SE 12-115	SE 12-115
			
Order number 602115	Order number 602115 <b>Accessories</b> Expansion roller 623470000 Sanding belts 90 x 100/P 80 623474000	Order number 602115 <b>Accessories</b> Rubber grinding wheel P 180 623499000	Order number 602115 <b>Accessories</b> Nylon web grinding wheel P 180 623488000

2. POLISHING

					
SE 12-115	SE 12-115	SE 12-115	SE 12-115	PE 12-175	
					
Order number 602115 <b>Accessories</b> Expansion roller 623470000 Metabo Pyramid P 400 (A 45) 626407000	Order number 602115 <b>Accessories</b> Expansion roller 623470000 Metabo Pyramid P 600 (A 30) 626408000	Order number 602115 <b>Accessories</b> Expansion roller 623470000 Metabo Pyramid P 1200 (A 16) 626409000	Order number 602115 <b>Accessories</b> Expansion roller 623470000 Metabo Pyramid P 2000 (A 6) 626410000	Order number 602175 <b>Accessories</b> Hook and loop polishing felt, hard 631242000 Polishing paste, white 623520000	<b>Accessories</b> Hook and loop polishing felt, soft 624964000 Polishing paste, blue 623524000

Ø 125 mm



Technical data

Technical data	Flat-Head Angle Grinder WEVF 10-125 Quick Inox Set	Flat-Head Angle Grinder WEVF 10-125 Quick Inox
Minimum accessible angle	43 °	43 °
Grinding wheel Ø	125 mm	125 mm
Rated input power	1,000 W	1,000 W
Output power	590 W	590 W
No-load speed	2,000 - 7,600 /min	2,000 - 7,600 /min
Revolutions at rated load	6,300 /min	6,300 /min
Torque	3.5 Nm	3.5 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.3 kg	2.3 kg
Cable length	4 m	4 m

Scope of delivery

Order number	613080500	613080000 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
Quick adjusting nut	■	■
Side Handle	■	■
1 Flap disc Flexiamant Super Convex (125 mm; P60)	■	■
5 Flap discs Flexiamant Super Convex (125 mm; P60)	■	
2 Combination flap discs (125x22.23 mm, medium)	■	
2 Fleece compact grinding discs "Unitized" (125 mm, coarse)	■	
2 Fleece compact grinding discs "Unitized" (125 mm, medium)	■	
1 Profiling file incl. 2 sanding paper strips P24	■	
Metal carry case	■	

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- The most easy-to-handle flat-head angle grinder with speed regulation for perfect processing of stainless steel e.g. stockade fences
- Particularly developed for the removal of weld slag, rust or paint in narrow frame constructions and for working in tight spaces
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Thumbwheel controlled Vario-Constamatic (VC)-Full wave electronics delivering customised speeds that remain almost constant under load when working on differing materials,
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Tool-free adjustable guard; twist-proof
- Electronic safety shutdown of the motor reduces kickback if the disc stops unexpectedly- for high user protection
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated and re-mounted in 90° steps for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 158

01

02

03

04

05

06

07

08

09

10

11

12

13

14

Ø 125 mm



Technical data	Angle Grinder WEV 15-125 Quick Inox Set	Angle Grinder WEV 15-125 Quick Inox
Grinding wheel Ø	125 mm	125 mm
Rated input power	1,550 W	1,550 W
Output power	940 W	940 W
No-load speed	2,000 - 7,600 /min	2,000 - 7,600 /min
Revolutions at rated load	7,600 /min	7,600 /min
Torque	5 Nm	5 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	2.5 kg	2.5 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600572500	600572000 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
M-Quick flange nut	■	■
Side handle Metabo VibraTech (MVT)	■	■
2 Combi flap disc (medium)	■	■
Fleece compact grinding disc "Unitized"	■	■
Hook and loop backing pad pyramid (Ø 125 mm)	■	■
Hook and loop backing pad (soft, Ø 125 mm)	■	■
15 Hook and loop sanding sheets Metabo Pyramid (5 each A30/A45/A65)	■	■
Hook and loop abrasive nylon web P280	■	■
Metal carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Perfect processing of stainless steel: robust, powerful angle grinder with high gear reduction and adjustable reduced speed for cool finish
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Now even faster: M-Quick System for tool-free disc change at the touch of a button by means of M-Quick flange nut
- Tool-free adjustable guard; twist-proof
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Gear housing can be unscrewed, rotated in 90° steps and remounted for left-handed operation or cutting
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 158

Ø 125 mm



Technical data	Cordless Angle Grinder W 18 LTX 125 Quick Inox Set	Cordless Angle Grinder W 18 LTX 125 Quick Inox
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Grinding wheel Ø	125 mm	125 mm
No-load speed	5,000 /min	5,000 /min
Spindle thread	M 14	M 14
Weight (including battery pack)	2.4 kg	2.4 kg

Scope of delivery

Order number	600174880 <sup>1)</sup>	600174850 <sup>1)</sup>
Guard	■	■
Inner support flange	■	■
Quick adjusting nut	■	■
Side handle	■	■
Dust filter	■	■
2 Combination flap discs (125x22.23 mm, medium)	■	■
1 Fleece compact discs (125x15x 22.23 mm, very fine)	■	■
1 Hook and loop backing pad (125 mm, hard)	■	■
1 Hook and loop backing pad (125 mm, soft)	■	■
5 Hook and loop sanding sheets Pyramid (125 mm; P600/A30)	■	■
Hook and loop nylon web disc (125 mm; P280)	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■
Metal carry case	■	■
without battery pack, without charger		■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Speed and torque precisely configured for stainless steel processing, ensuring a cool grinding action with perfect finish
- Slim design for prolonged comfort when working overhead or in areas with limited space
- Metabo Quick for tool-free disc change by means of a quick-locking nut
- Tool-free adjustable guard; twist-proof
- Battery pack can be swivelled for better access when working in hard to reach places.
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Detachable dust filter protects motor from coarse particles
- Battery packs with capacity display for checking the charge status

System components

Accessories ▶ 158

Battery packs ▶ 64

Fleece compact grinding discs »Unitized« - VKS



- Made of compacted fleece material on a fibreglass disc
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels
- Max. speed: 6,000 /min
- Recommended speed: 3,000 /min

Diameter x thickness x bore mm	Grit	Sales unit / packaging unit	Order number
125 x 22.23	Very fine	1/1	626368000*
125 x 22.23	Very fine	5/5	626417000

Fleece compact grinding discs »Unitized« - VKS-ZK



- Several layers of pressed fleece material, soaked with resin-bonded abrasive grain (zirconia alumina)
- The addition of abrasive grain covers a range of applications from deburring to soft and flexible finishing jobs. It is suited for deburring, smoothing of weld seams, precise cleaning and finishing of surfaces.
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels
- The profile of the grinding media permits precise working. Minimal processing depth required. Bore of 22.23 mm (for angle grinder). Max. 10,000 /min; recommended speed: 3,000 /min

Diameter x thickness x bore mm	Grit	Sales unit / packaging unit	Order number
125 x 6 x 22.23	Coarse	1/5	626482000
125 x 6 x 22.23	medium	1/5	626483000

Combi flap disc - KLS



- Made from high-quality pink aluminium oxide fabric in combination with high-quality grinding fleece.
- For removal of material to fine polish in a single process. Very even grinding/polishing results with good material removal.
- For processing weld seams for example, and for grinding or polishing. For removing minor scratches and damage to the work piece.
- Suitable for grinding, cleaning and finishing work on stainless steel, steel, coloured and light metals, titanium alloys.
- Maximum working speed: 80 m/s
- Recommended speed: 3,000 /min

Diameter x bore mm	Grit	Sales unit / packaging unit	Order number
125 x 22.23	Coarse	1/1	626369000*
125 x 22.23	Coarse	5/5	626415000
125 x 22.23	medium	1/1	626370000*
125 x 22.23	medium	5/5	626416000

Flap disc



- Quality class zirconia alumina »Flexiamant Convex«**
- Specially shaped flap disc with lamellae that are rounded off towards the outer edges.
  - Grinding media: Zirconia alumina
  - Thanks to the special design it is particularly suited for processing fillet welds; making faster and more efficient processing possible; also suitable for surface grinding
  - High cutting output with very high tool life thanks to the use of zirconia alumina
  - Suitable for processing stainless steel and steel
  - Uniform grinding finish, comfortable grinding with only low vibrations
  - Maximum working speed 80 m/s

Diameter x bore mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order number
125 x 22.23	P 40	—	12.200	1/10	626462000
125 x 22.23	P 60	—	12.200	1/10	626463000
125 x 22.23	P 80	—	12.200	1/10	626464000



**Quality class ceramics »Flexiamant Super Convex«**

- Specially shaped flap disc with lamellae that are rounded off towards the outer edges.
- Thanks to the special design it is particularly suited for processing fillet welds; making faster and more efficient processing possible; also suitable for surface grinding
- Very high cutting output with very high tool life thanks to the use of ceramic grain.
- Cool cut for materials with poor thermal conduction
- For grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.
- Uniform grinding finish, comfortable grinding with only low vibrations
- Maximum working speed 80 m/s

Diameter x bore mm	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order number
125 x 22.23	P 60	—	12.200	1/10	626460000
125 x 22.23	P 80	—	12.200	1/10	626461000

Flap wheels



**Quality class ceramics »Flexiamant Super«**

- Lamellar grinding wheel with straight, profiled lamellae particularly suited for processing fillet welds. The profiled lamellae, arranged radially in the shape of a fan, adapt exceptionally well to the contours of the work piece. Ideally suited for an even and smooth weld seam. Thanks to the offset shape it can also be used at hard to reach places.
- Very high cutting output with very high tool life thanks to the use of ceramic grain.
- Excellent results for surface and edge grinding of steel and stainless steel. Ideal for extreme grinding jobs like processing high-alloy steels, titanium alloys, nickel-based alloys as well as chromium and chromium-nickel steels, brass and bronze thanks to high load capacity.
- Cool cut for materials with poor thermal conduction
- Max. speed: 10,000 /min

Diameter mm	Thickness mm	Female thread	Grit	Version	Maximum speed /min	Sales unit / packaging unit	Order number
125	8	M 14	P 40	—	10.000	1/5	626470000
125	8	M 14	P 60	—	10.000	1/5	626471000
125	8	5/8 "	P 40	—	10.000	1/5	626486000
125	8	5/8 "	P 60	—	10.000	1/5	626487000

Hook and Loop Backing Pad »Metabo Pyramid«



- Hook and looped and with flexible intermediate layer, foam-moulded; for attaching polishing and sanding accessories
- Sanding base plates for polishing and medium-hard grinding jobs. Especially recommended for Metabo Pyramid hook and loop sanding sheets

Female thread	Diameter mm	Thickness mm	Sales unit	Order number
5/8 "	125	3	1	623298000*
M 14	125	3	1	623300000*

»Metabo Pyramid« hook and loop sanding sheets



- 3-dimensional structure of the grinding media (pyramid-shaped).
- High removal of material with, at the same time, a very even and fine grinding result. Long service life. Faster progress when compared to tradition grinding media thanks to the considerable reduction in the number of working stages.
- For removing scratches, mill skin on stainless steel. Prepare for polishing.
- Suitable for use throughout the metal industry; especially for stainless steels, titanium, cobalt, nickel, chrome alloys.

Diameter mm	Grit	Sales unit	Order number
125	P 120 (A 160)	5	626371000*
125	P 280 (A 65)	5	626372000*

\*Self-service packaging



Diameter mm	Grit	Sales unit	Order number
125	P 400 (A 45)	5	626373000*
125	P 600 (A 30)	5	626374000*
125	P 1200 (A 16)	5	626403000*
125	P 2000 (A6)	5	626404000*

**Fleece hook and loop grinding discs "Unitized" - VKS**



- Made from pressed fleece material
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels

Diameter mm	Grit	Sales unit	Order number
125	Very fine	1	626375000*





**Cleaning Fleeces**



- For the removal of light rust, paint / varnish on metal, cleaning weld seams / steel / copper / aluminium / brass, sanding steel and texturing wood.
- Maximum working speed: 63 m/s
- Recommended speeds at Ø 115 mm: 2,900 /min, Ø 125 mm: 2,700 /min

Diameter x bore mm	Sales unit	Order number
115 x 22.23	1	624346000*
125 x 22.23	1	624347000*

**Further Accessories for Inox Angle Grinders**

	Order number
 <p><b>Vienna Lime</b></p> <ul style="list-style-type: none"> <li>■ For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.</li> <li>■ Contents: 300 g, shaker</li> </ul>	626399000
 <p><b>Stainless steel adhesive tape</b></p> <ul style="list-style-type: none"> <li>■ For mitre cuts of welded stainless steel profiles.</li> <li>■ Dimensions: 2.5 m x 40 x 1.5 mm</li> </ul>	626376000
 <p><b>3 Micro-fibre cloths 380 x 380 mm</b></p> <ul style="list-style-type: none"> <li>■ For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue</li> <li>■ Suitable for all metals and hard plastics</li> </ul>	626398000*
 <p><b>Spray for stainless steel care 400 ml</b></p> <ul style="list-style-type: none"> <li>■ For cleaning, conserving and sealing of surfaces, especially of stainless steels.</li> </ul>	626377000

\*Self-service packaging



NEW



NEW

Technical data	Band File BFE 9-20 Set	Band File BFE 9-20
Rated input power	950 W	950 W
Output power	510 W	510 W
Belt speed in idle	9 - 20 m/s	9 - 20 m/s
Sanding belt width	6 - 19 mm	6 - 19 mm
Sanding belt length	457 mm	457 mm
Useful length of sanding belt arm	90 mm	90 mm
Weight (without power cable)	1.8 kg	1.8 kg
Cable length	4 m	4 m

Scope of delivery	602244500 <sup>1)</sup>	602244000
Order number		
Side handle	■	■
Sanding belt arm (for belt width 6 and 13 mm)	■	■
Sanding belt arm (for belt width 19 mm)	■	
10 Sanding belts zirconia (6x457 mm; P60)	■	
10 Sanding belts zirconia (6x457 mm; P120)	■	
10 Sanding belts zirconia (19x457 mm; P60)	■	
10 Sanding belts zirconia (19x457 mm; P120)	■	
3 Nylon web bands (6x457 mm; medium)	■	
2 Nylon web bands (19x457 mm; medium)	■	
Metal carry case	■	

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Powerful, compact band file for grinding, burnishing and deburring in difficult to reach places
  - Metabo Marathon motor with patented dust protection for long service life
  - Thumbwheel controlled Vario-Constamatic (VC)-Full wave electronics ideal for working on materials requiring customised speeds, and speeds which remain almost constant under load
  - Grinding attachment can be swivelled through 270° without any tools for perfect adaptation to any working position
  - Profiled drive roller: reduces slipping of the sanding belt
  - Tool-free change of sanding belt and adjustable belt guide
  - Electronic soft start for smooth start-up
  - Auto-stop carbon brushes to protect the motor

**System components**

Accessories ▶ 163

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Technical data	Cordless Band Saw BF 18 LTX 90
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Belt speed in idle	8 m/s
Sanding belt width	6 - 19 mm
Sanding belt length	457 mm
Useful length of sanding belt arm	90 mm
Weight (including battery pack)	2.6 kg

## Scope of delivery

Order number	600321
Side handle	■
Dust filter	■
Sanding belt arm (for belt width 6 and 13 mm)	■
Hexagonal wrench	■
without battery pack, without charger	■

## Product advantages

- Powerful, compact cordless band file for grinding, burnishing and deburring in places difficult to reach
- Robust motor for long service life
- Tool-free change of sanding belt and adjustable belt guide
- Grinding attachment can be swivelled through 270° for perfect adaptation to any working position
- Battery pack can be swivelled for better access when working in hard to reach places.
- Detachable dust filter protects motor from coarse particles
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Battery packs with capacity display for checking the charge status

## System components

Accessories → 163

Battery packs → 64

## Zirconia alumina sanding belts



- For all metal uses, particularly suited to the processing of rust-free steel/stainless steel. Grinding material with cotton base.
- High cutting output with good service life. Even grinding results.
- For rough-polishing and deburring of steel and stainless steel
- Recommended circumferential speed: 15-25 m/s

Dimensions mm	Grit	Sales unit	Order number
6 x 457	P 40	10	626344000*
6 x 457	P 60	10	626345000*
6 x 457	P 80	10	626346000*
6 x 457	P 120	10	626347000*
13 x 457	P 40	10	626348000*
13 x 457	P 60	10	626349000*
13 x 457	P 80	10	626350000*
13 x 457	P 120	10	626351000*
19 x 457	P 40	10	626352000*
19 x 457	P 60	10	626353000*
19 x 457	P 80	10	626354000*
19 x 457	P 120	10	626355000*

## Ceramic grain sanding belts



- For all metal uses, particularly suited to the processing of rust-free steel/stainless steel. Grinding material with cotton base.
- Extremely high cutting output with extremely high tool life thanks to the self-sharpening ceramic grain. Even grinding and best results.
- For pre-polishing and fine polishing, for example, of contours, profiles, etc.
- Recommended circumferential speed: 15-25 m/s for stainless steel
- Recommended circumferential speed: 20-30 m/s for NF metals
- Recommended circumferential speed: 5-10 m/s for high temperature Ni-/ Co- alloys

Dimensions mm	Grit	Sales unit	Order number
13 x 457	P 40	10	626360000*
13 x 457	P 60	10	626361000*
13 x 457	P 80	10	626362000*
13 x 457	P 120	10	626363000*




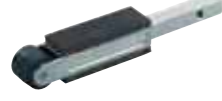
## Nylon web bands







- For grinding, cleaning and finishing work. For removing scratches, colour runs and oxide layers.
- For preparing, pre-grinding and polishing weld seams
- Recommended circumferential speed: 25-30 m/s for steel
- Recommended circumferential speed: 15-25 m/s for stainless steel
- Recommended circumferential speed: 30-40 m/s for soft NF metals
- Recommended circumferential speed: 5-15 m/s for high temperature Ni-/ Co alloys

Dimensions mm	Grit	Sales unit	Order number
6 x 457	Coarse	5	626383000*
6 x 457	medium	5	626384000*
6 x 457	Very fine	5	626386000*
13 x 457	Coarse	5	626387000*
13 x 457	medium	5	626388000*
13 x 457	Very fine	5	626390000*
19 x 457	Coarse	5	626391000*
19 x 457	medium	5	626392000*
19 x 457	Very fine	5	626394000*

\*Self-service packaging

Sanding Belt Arms		Order number
	<b>Sanding belt arm</b> <ul style="list-style-type: none"> <li>Standard equipment of the machine. Suitable for sanding belts 6 x 457 mm and 13 x 457 mm.</li> <li>For sanding narrow areas, weld seams, deburring edges, sanding grooved sections on tongued and groove boards.</li> </ul>	626379000*
	<b>Sanding belt arm 2</b> <ul style="list-style-type: none"> <li>Suitable for sanding belts 6 x 457 mm.</li> <li>For sanding narrow areas, edges, deburring pipes, sanding grooved sections on tongued and groove boards.</li> </ul>	626380000*
	<b>Sanding belt arm 3</b> <ul style="list-style-type: none"> <li>Suitable for sanding belts 13 x 457 mm. Set equipment</li> <li>For sanding edges, deburring pipes, sanding blunt welds.</li> </ul>	626381000*
	<b>Sanding belt arm 4</b> <ul style="list-style-type: none"> <li>Suitable for sanding belts 19 x 457 mm.</li> <li>For sanding edges and surfaces. Sanding radii and overlaps.</li> </ul>	626382000*

Additional accessories for band files		Order number
	<b>Adapter band file</b> <ul style="list-style-type: none"> <li>For extension of the sanding belt arms. For the use of sanding belts with a belt length of 520 mm and 533 mm.</li> </ul>	626378000
	<b>Vienna Lime</b> <ul style="list-style-type: none"> <li>For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.</li> <li>Contents: 300 g, shaker</li> </ul>	626399000
	<b>3 Micro-fibre cloths 380 x 380 mm</b> <ul style="list-style-type: none"> <li>For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue</li> <li>Suitable for all metals and hard plastics</li> </ul>	626398000*
	<b>Spray for stainless steel care 400 ml</b> <ul style="list-style-type: none"> <li>For cleaning, conserving and sealing of surfaces, especially of stainless steels.</li> </ul>	626377000

\*Self-service packaging

NEW

Ø 150 mm



Technical data	Fillet Weld Grinder KNSE 9-150 Set
Rated input power	950 W
Output power	510 W
No-load speed	900 - 3,800 /min
Disc diameter	150 mm
Spindle thread	M 14
Weight (without power cable)	2.7 kg
Cable length	4 m

Scope of delivery	
Order number	602265 <sup>1)</sup>
Guard	■
Inner support flange	■
Nut with two holes	■
Side handle	■
Flat-pin spanner	■
Hexagonal wrench	■
1 Fleece compact grinding disc (150x6x25.4 mm; medium)	■
1 Fleece compact grinding disc (150x6x25.4; very fine)	■
2 Fleece compact grinding discs (150x3x25.4 mm; medium)	■
1 Polishing file	■
Metal carry case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Very flat fillet weld grinder for processing stainless steel fillet welds in tight spaces
  - Powerful, and with double reduction gearing for effective working
  - Metabo Marathon motor with patented dust protection for long service life
  - Thumbwheel controlled Vario-Constamatic (VC)-Full wave electronics ideal for working on materials requiring customised speeds, and at speeds which remain almost constant under load
  - Robust planetary gear train for particularly long service life
  - Tool-free adjustable, removable guard
  - Low-maintenance belt drive for long service life
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Auto-stop carbon brushes to protect the motor

**System components**

Accessories ▶ 166



Technical data	Cordless Fillet Weld Grinder KNS 18 LTX 150
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
No-load speed	3,800 /min
Disc Diameter	150 mm
Spindle thread	M 14
Weight (including battery pack)	3 kg

Scope of delivery	
Order number	600191
Guard	■
Inner support flange	■
Nut with two holes	■
Side handle	■
Dust filter	■
Flat-pin spanner	■
Hexagonal wrench	■
without battery pack, without charger	■

- Product advantages**
- Very flat cordless fillet weld grinder for processing stainless steel weld seams in tight spaces
  - Robust motor for long service life
  - Spindle lock for quick disc change
  - Tool-free adjustable, removable guard
  - Grinding arm can be swivelled through 270° for perfect adaptation to any working position
  - Low-maintenance belt drive for long service life
  - Battery pack can be swivelled for better access when working in hard to reach places.
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories ▶ 166

Battery packs ▶ 64

Fleece compact grinding discs "Unitized" - VKS



- Made from pressed fleece material
- For cleaning and polishing surfaces, for smoothing weld seams; reduces the number of working stages required
- For alloy and high-alloy steels, coloured and light metals, chrome and nickel steels, titanium, steels
- The fleece compact disc can be profiled with the profiling file (626396000)
- Maximum working speed: 60 m/s
- Maximum speed: 6,000 /min
- Recommended speed: 3,000 /min

Diameter x thickness x bore mm	Grit	Sales unit	Order number
150 x 3 x 25.4	medium	1	626400000*
150 x 6 x 25.4	Very fine	1	626401000*
150 x 6 x 25.4	medium	1	626402000*




Felt disc



- For polishing stainless steel and non-ferrous metals, always in conjunction with a polishing paste.
- Maximum working speed: 31 m/s
- Maximum speed: 3,900 /min
- Recommended speed: 600-1,100 /min

Diameter x thickness x bore mm	Grit	Sales unit	Order number
150 x 5 x 25.4	Soft	1	626395000*

Additional accessories for fillet weld grinders

	Order number
 <p><b>Vienna Lime</b></p> <ul style="list-style-type: none"> <li>■ For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.</li> <li>■ Contents: 300 g, shaker</li> </ul>	626399000
 <p><b>3 Micro-fibre cloths 380 x 380 mm</b></p> <ul style="list-style-type: none"> <li>■ For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue</li> <li>■ Suitable for all metals and hard plastics</li> </ul>	626398000*
 <p><b>Spray for stainless steel care 400 ml</b></p> <ul style="list-style-type: none"> <li>■ For cleaning, conserving and sealing of surfaces, especially of stainless steels.</li> </ul>	626377000



Technical data

	Burnishing Machine SE 12-115 Set	Burnishing Machine SE 12-115
Rated input power	1,200 W	1,200 W
Output power	720 W	720 W
No-load speed	900 - 2,800 /min	900 - 2,800 /min
Spindle thread	M 14	M 14
Abrasive tool diameter	100 - 200 mm	100 - 200 mm
Abrasive tool width	50 - 100 mm	50 - 100 mm
Weight (without power cable)	3 kg	3 kg
Cable length	4 m	4 m

Scope of delivery

Order number	602115500 <sup>1)</sup>	602115000 <sup>2)</sup>
Side handle	■	■
3 Spacer rings for narrow rollers	■	
1 Expansion roller (Ø90x100 mm)	■	
3 Sanding belts (Ø90x100 mm; P80)	■	
1 Nylon web grinding wheel (Ø105x100 mm; P280)	■	
1 Flap wheel (Ø105x100 mm; P80)	■	
1 Flap wheel/fleece grinding disc (Ø105x50 mm; P180)	■	
Metal carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Powerful burnishing machine with double reduction gearing for polishing, burnishing, brushing and high-gloss polishing of e.g. stainless steel
- Metabo Marathon motor with patented dust protection for long service life
- Thumbwheel controlled Vario-Tacho-Constamatic (VTC)-Full Wave Electronics ideal for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Spindle lock and quick-adjusting nut for quick roller change without tools
- Smooth-running, form-fit mounting arbor for a uniform finish
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Auto-stop carbon brushes to protect the motor

System components

Accessories ▶ 169

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Technical data		Cordless Burnishing Machine S 18 LTX 115	
Type of battery pack	Li-Ion / LiHD		
Battery pack voltage	18 V		
No-load speed	3,000 /min		
Spindle thread	M 14		
Abrasive tool diameter	100 - 200 mm		
Abrasive tool width	50 - 100 mm		
Weight (including battery pack)	3.1 kg		

Scope of delivery	
Order number	600154
Side handle	■
Dust filter	■
Single-ended spanner	■
Hexagonal wrench	■
without battery pack, without charger	■

- Product advantages**
- Compact cordless burnishing machine for grinding, burnishing, brushing and high-gloss polishing of e.g. stainless steel
  - Robust motor for long service life
  - Spindle lock and quick-adjusting nut for quick roller change without tools
  - Bracket for side handle with different mounting points; adjustable without tools
  - Smooth-running, form-fit roller arbor for a uniform finish
  - Battery pack can be swivelled for better access when working in hard to reach places.
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Battery packs with capacity display for checking the charge status


**System components**


Accessories → 169 | Battery packs → 64

**Expansion rollers**


		Order number
	<b>Expansion roller</b> ■ For using sanding belts and abrasive sleeves. The sanding belts/ abrasive sleeves are pushed over the roller and clamped securely by centrifugal force Diameter: 90 mm Width: 100 mm	623470000
	<b>Inflatable expansion roller</b> ■ For using sanding belts and abrasive sleeves. The sanding belts/ abrasive sleeves are pushed over the roller. The air volume in the roller is adjusted individually. ■ Ideal for easy processing of contours Diameter: 90 mm Width: 100 mm	623542000

**Sanding belts 90x100 mm**

	Diameter mm	Width mm	Grit	Sales unit	Order number
					
<b>Sanding belts with zirconia alumina 90x100 mm</b>					
■ Material: zirconia alumina for grit P 40, 60, 80, 120/ aluminium oxide for grit P 220					
■ Suitable for all metals and even stainless steel					
■ For removing scratches and smoothing weld seams					
■ Only in connection with the expansion roller 623470000; maximum working speed: 30 m/s; recommended: 20 m/s					
	90	100	P 40	10	623512000
	90	100	P 60	10	623473000
	90	100	P 80	10	623474000
	90	100	P 120	10	623475000
	90	100	P 220	10	623476000

	<b>"Metabo Pyramid" sanding belts 90 x 100 mm</b>				
	■ For all metal uses, particularly suited to the processing of rust-free steel/stainless steel				
	■ 3-dimensional structure of the grinding media (pyramid-shaped). High removal of material with, at the same time, a very even and fine grinding result for the entire lifetime of the product.				
	■ Quick progress; considerably reduces working stages compared to traditional grinding methods.				
	■ Maximum speed: 6,400 /min; recommended speed: 4,200 /min				
	90	100	P 120 (A 160)	5	626405000*
	90	100	P 280 (A 65)	5	626406000*
	90	100	P 400 (A 45)	5	626407000*
	90	100	P 600 (A 30)	5	626408000*
	90	100	P 1200 (A 16)	5	626409000*
	90	100	P 2000 (A6)	5	626410000*

**Nylon web abrasive sleeves**

	■ For removing scratches and oxide layers, tarnishing, glazing, deburring and fine grinding ■ Only in combination with the expansion roller ■ Maximum speed: 6,400 /min; recommended speed: 3,200 /min				
Diameter mm	Width mm	Version	Sales unit	Order number	
90	100	Coarse	2	623519000	
90	100	medium	2	623495000	
90	100	fine	2	623496000	

\*Self-service packaging

Lamellar grinding wheels



- For removing rust, oxide layers, scratches
- For texturing and glazing metal
- Maximum speed: 5,800 /min; recommended speed: 3,200 /min

Diameter mm	Width mm	Grit	Sales unit	Order number
105	100	P 40	1	623477000
105	100	P 60	1	623513000
105	100	P 80	1	623479000
105	100	P 120	1	623480000
105	100	P 180	1	623481000
105	100	P 240	1	623482000

Lamellar/nylon web grinding wheels



- Pink aluminium oxide grinding lamellae combined with grain-coated nylon web
- For tarnishing, glazing and removing scratches on metal
- Removing old paint and smoothing wood materials
- Maximum speed: 5,600 /min; recommended speed: 2,900 /min

Diameter mm	Width mm	Grit	Sales unit	Order number
105	100	P 60	1	623483000
105	100	P 80	1	623484000
105	100	P 180	1	623485000
105	50	P 60	1	623526000
105	50	P 80	1	623527000
105	50	P 180	1	623528000

Nylon web grinding wheels



- Elastic grain-coated nylon web for shadow-free tarnishing, glazing and polishing of special steel and non-ferrous metals
- For use on wood to smooth surfaces
- Maximum speed: 5,600 /min; recommended speed Ø 105 mm: 2,900 /min; recommended speed Ø 115 mm: 2,600 /min

Diameter mm	Width mm	Grit	Sales unit	Order number
105	100	P 60	1	623486000
105	100	P 80	1	623487000
105	100	P 180	1	623488000
105	100	P 280	1	623514000
115	100	P 400	1	623468000
115	100	P 600	1	623469000
115	100	P 900	1	623494000

Corrugated fleece sanding/polishing wheel



- For transition-free matt and burnished finishes on stainless steel surfaces and non-ferrous metals
- For removing minor scratches and for cleaning surfaces
- Elastic nylon fleece containing grit with a corrugated arrangement on the core
- Maximum speed: 5,900 /min; recommended speed: 3,000 /min

Diameter mm	Width mm	Grit	Sales unit	Order number
100	100	P 180	1	623567000

Hard Nylon Web Grinding Wheel



- For cleaning and descaling weld seams
- Removing rust, oxide layers and paint
- Strong longitudinal grinding of stainless steel
- Maximum speed: 5,400 /min; recommended speed: 2,800 /min

Diameter mm	Width mm	Grit	Sales unit	Order number
110	100	P 46	1	623525000

Rubber grinding wheels



- Rubber mix with silicone carbide abrasive grains
- For removing small scratches. For bright shining, decorative longitudinal grinding of stainless steel and non-ferrous metals
- Maximum speed: 2,700 /min; recommended speed: 1,400 /min

Diameter mm	Width mm	Grit	Sales unit	Order number
105	100	P 60	1	623510000
105	100	P 180	1	623499000

Polishing rings



- Sisal polishing rings**
- For pre-polishing steel and stainless steel in conjunction with the white polishing paste 623520000
  - Maximum speed: 6,100 /min; recommended speed: 1,900 /min
  - Diameter: 100 mm
  - Width: 15 mm
  - Type: impregnated
  - Sales unit: 5

Order number  
623507000



- Nylon web polishing rings**
- For pre-polishing non-ferrous steel in conjunction with the brown polishing paste 623522000
  - Maximum speed: 6,100 /min; recommended speed: 1,900 /min
  - Diameter: 100 mm
  - Width: 10 mm
  - Type: hard
  - Sales unit: 8

623508000



- Nylon web polishing rings**
- For high-gloss polishing of all metals in conjunction with the blue polishing paste 623524000
  - Maximum speed: 6,100 /min; recommended speed: 1,900 /min
  - Diameter: 100 mm
  - Width: 10 mm
  - Type: soft
  - Sales unit: 8

623509000

Polishing pastes



- Polishing paste, white**
- For pre-polishing and polishing stainless steel
  - Weight: 250 g

Order number  
623520000



- Polishing paste, brown**
- For pre-polishing and polishing non-ferrous metals
  - Weight: 250 g

623522000




- Polishing paste, blue**
- For high-gloss polishing of all metals
  - Weight: 250 g

623524000


**Steel-wire wheel brushes**

- For rust removal, deburring and cleaning metal
- For brushing out soft annual rings on wood
- Maximum speed: 6,000 /min; recommended speed: 3,000 - 4,500 /min

	Diameter mm	Width mm	Wire thickness	Order number
	100	70	0.27 mm	623501000


**Steel-wire wheel brushes, Inox**

- With stainless wire. For cleaning weld seams, deburring, deburring, rust removal, roughening
- Maximum speed: 6,000/min; recommended: 2,400 - 3,900 /min

	Diameter mm	Width mm	Wire thickness	Order number
	100	70	0.20 mm	623503000

**Plastic wheel brushes**

- Elastic, grain-coated wheel brush for roughening and deburring metal
- For rustic effects on wood
- Maximum speed: 6,000 /min; recommended speed: 2,400 - 3,900 /min


	Diameter mm	Width mm	Order number
	100	70	623505000

**Fibre wheel brush**

- For use on all wood materials. For polishing etched wood materials
- For producing a dull finish. Dust removal and cleaning
- Maximum speed: 6,000 /min; recommended speed: 2,400 - 3,900 /min

	Diameter mm	Width mm	Order number
	100	100	623506000

**Spacer rings**

	Order number
 <b>3 Spacer rings</b> ■ For width compensation when using grinding rollers, brushes, polishing rings	623511000

**Sanding belt**



- Sanding belt**
- With corrugated surface for non-slip work with sanding belts, nylon web and felt band
- Diameter: 85 mm  
Width: 70 mm

Order number  
623529000

**Adhesive tape**



- Adhesive tape**
- For re-closing the sanding belts

Order number  
623530000

**Nylon web bands**



- For fine grinding or polishing, also on "closed" pipe constructions
- Resealable by "buttonhole closure"
- Sanding belt rolls only in conjunction with sanding drum 623529000

Length mm	Width mm	Version	Sales unit	Order number
660	30	Coarse	3	623536000
660	30	medium	3	623537000
660	30	fine	3	623538000
660	30	extra fine	3	623539000

**Felt band**



- Felt band**
- For polishing work, also on "closed" pipe constructions
  - Can be used on both sides
  - Resealable by "buttonhole closure"
  - Only in conjunction with sanding drum 623529000
- Length: 600 mm  
Width: 30 mm  
Sales unit: 1


Order number  
623541000


**Protective cover 50 mm incl. mounting arbor**





- The protective cover and the mounting arbor have been specially designed for use with 50 mm wide lamellar / fleece grinding discs and fleece grinding wheels. This permits working near edges.

	Order number
Protective cover 50 mm incl. mounting arbor 5/8"	626413000
Protective cover 50 mm incl. mounting arbor M 14	626414000

Stainless steel adhesive tape		Order number
	<b>Stainless steel adhesive tape</b> ■ For mitre cuts of welded stainless steel profiles. ■ Dimensions: 2.5 m x 40 x 1.5 mm	626376000

Micro-fibre cloth		Order number
	<b>3 Micro-fibre cloths 380 x 380 mm</b> ■ For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue ■ Suitable for all metals and hard plastics	626398000*

Stainless steel cleaning spray		Order number
	<b>Spray for stainless steel care 400 ml</b> ■ For cleaning, conserving and sealing of surfaces, especially of stainless steels.	626377000

Vienna Lime		Order number
	<b>Vienna Lime</b> ■ For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc. ■ Contents: 300 g, shaker	626399000



Technical data	Tube Belt Sander RBE 9-60 Set
Rated input power	900 W
Output power	470 W
Belt speed in idle	8 - 14 m/s
Dimensions of sanding belt	30 x 533 mm
Maximum pipe diameter	60 mm
Wrap angle	190 °
Weight (without power cable)	3.1 kg
Cable length	4 m

Scope of delivery	
Order number	602183
10 Sanding belts zirconia (30x533 mm; P80)	■
2 Pyramid sanding belts (30x533 mm; P280/A65)	■
2 Pyramid sanding belts (30x533 mm; P400/A45)	■
2 Pyramid sanding belts (30x533 mm; P600/A30)	■
2 Pyramid sanding belts (30x533 mm; P1200/A16)	■
3 Nylon web bands (30x533 mm, medium)	■
Hexagonal wrench	■
Metal carry case	■

- Product advantages**
- Compact tube belt sander with high belt speeds for productive processing of stainless steel pipes
  - Large wrap angle of 190° for seamless surfaces
  - Metabo Marathon motor with patented dust protection for long service life
  - Thumbwheel controlled Vario-Constamatic (VC)-Full wave electronics ideal for working on materials requiring customised speeds, and at speeds which remain almost constant under load
  - Tool-free change of sanding belt and adjustable belt guide
  - Electronic overload protection for long service life
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Auto-stop carbon brushes to protect the motor

**System components**

Accessories ▶ 177



Technical data	Cordless Tube Belt Sander RB 18 LTX 60
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Belt speed in idle	9.2 m/s
Dimensions of sanding belt	30 x 533 mm
Maximum pipe diameter	60 mm
Wrap angle	190 °
Weight (including battery pack)	3.3 kg

Scope of delivery	
Order number	600192
Dust filter	■
Hexagonal wrench	■
without battery pack, without charger	■

- Product advantages**
- Tool-free adjustable, compact grinding attachment; perfect for reworking fixed and mounted handrails
  - Compact cordless tube belt sander for quick, flexible processing of stainless steel pipes
  - Large wrap angle of 190° for seamless surfaces
  - Robust motor for long service life
  - Tool-free change of sanding belt and adjustable belt guide
  - Battery pack can be swivelled for better working in hard to reach places.
  - Detachable dust filter protects motor from coarse particles
  - Overload protection: protects the motor from overheating
  - Electronic soft start for smooth start-up
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories ▶ 177

Battery packs ▶ 64





NEW



Technical data

Tube Belt Sander RBE 15-180 Set

Rated input power	1,550 W
Output power	940 W
Belt speed in idle	8.4 - 28 m/s
Dimensions of sanding belt	40 x 760 mm
Maximum pipe diameter	180 mm
Wrap angle	270 °
Weight (without power cable)	3.4 kg
Cable length	4 m

Scope of delivery

Order number	602243 <sup>1)</sup>
Side handle	■
10 Sanding belts zirconia (40x760 mm; P80)	■
2 Pyramid sanding belts (40x760 mm; P280/A65)	■
2 Pyramid sanding belts (40x760 mm; P400/A45)	■
2 Pyramid sanding belts (40x760 mm; P600/A30)	■
2 Pyramid sanding belts (40x760 mm; P1200/A16)	■
3 Nylon web bands (40 x 760 mm, medium)	■
Metal carry case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Powerful tube belt sander for processing even larger stainless steel pipes
- Large wrap angle of 270° for seamless surfaces and quick work progress
- Metabo Marathon motor with patented dust protection for long service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Grinding attachment can be adjusted without tools for different working positions
- Rubberised drive roller: reduces slipping of the sanding belt
- Tool-free change of sanding belt and adjustable belt guide
- Overload protection: protects the motor from overheating
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Auto-stop carbon brushes to protect the motor

System components

Accessories → 177

Aluminium oxide sanding belts



- For all metal uses. Flexible grinding material, dense with stable cotton base.
- Good cutting output with good tool life. Uniform finish.
- Recommended circumferential speed: 25-35 m/s

Dimensions mm	Grit	Sales unit	Order number
30 x 533	P 120	10	626279000*
30 x 533	P 180	10	626280000*
30 x 533	P 240	10	626281000*
30 x 533	P 320	10	626282000*
30 x 533	P 400	10	626283000*
40 x 760	P 120	10	626300000*
40 x 760	P 180	10	626301000*
40 x 760	P 240	10	626302000*
40 x 760	P 320	10	626303000*
40 x 760	P 400	10	626304000*

Zirconia alumina sanding belts



- For all metal uses, particularly suited for processing stainless steels/Inox. High performance sanding belt, dense with cotton base.
- High cutting output with good service life. Even grinding results.
- For rough-polishing and deburring of steel and stainless steel
- Recommended circumferential speed: 25-35 m/s

Dimensions mm	Grit	Sales unit	Order number
30 x 533	P 60	10	626284000*
30 x 533	P 80	10	626285000*
30 x 533	P 120	10	626286000*
40 x 760	P 60	10	626305000*
40 x 760	P 80	10	626306000*
40 x 760	P 120	10	626307000*

Ceramic grain sanding belts



- For all metal uses, particularly suited for processing stainless steels/Inox. Flexible high performance sanding belt, semi-open coarseness with cotton base
- Extremely high cutting output with extremely high tool life thanks to the self-sharpening ceramic grain. Even grinding and best results.
- For pre-polishing and fine polishing, for example, of contours, profiles, etc.
- Recommended circumferential speed: 25-35 m/s for stainless steel
- Recommended circumferential speed: 20-30 m/s for NF metals
- Recommended circumferential speed: 5-10 m/s for high temperature Ni-/Costeels

Dimensions mm	Grit	Sales unit	Order number
40 x 760	P 60	10	626308000*
40 x 760	P 80	10	626309000*
40 x 760	P 120	10	626310000*

\*Self-service packaging

"Metabo Pyramid" Sanding Belts



- For all metal uses, particularly suited for processing of stainless steels/Inox
- 3-dimensional structure of the grinding media (pyramid-shaped). High removal of material with, at the same time, a very even and fine grinding result for the entire lifetime of the product.
- Quick progress; considerably reduces the number of working stages compared to traditional grinding methods.
- Special product for processing of lightly and heavily profiled elements in the stainless steel industry.
- Recommended circumferential speed: 2.7-8.5 m/s

Dimensions mm	Grit	Sales unit	Order number
30 x 533	P 120 (A 160)	5	626290000*
30 x 533	P 280 (A 65)	5	626291000*
30 x 533	P 400 (A 45)	5	626292000*
30 x 533	P 600 (A 30)	5	626293000*
30 x 533	P 1200 (A 16)	5	626294000*
30 x 533	P 2000 (A6)	5	626295000*
40 x 760	P 120 (A 160)	5	626311000*
40 x 760	P 280 (A 65)	5	626312000*
40 x 760	P 400 (A 45)	5	626313000*
40 x 760	P 600 (A 30)	5	626314000*
40 x 760	P 1200 (A 16)	5	626315000*
40 x 760	P 2000 (A6)	5	626316000*

Nylon web bands



- For grinding, cleaning and finishing work. For removing scratches, colour runs and oxide layers.
- For preparing, pre-grinding and polishing weld seams
- Recommended circumferential speed: 25-30 m/s for steel
- Recommended circumferential speed: 15-25 m/s for stainless steel
- Recommended circumferential speed: 30-40 m/s for soft NF metals
- Recommended circumferential speed: 5-15 m/s for high temperature Ni-/Co alloys

Dimensions mm	Grit	Sales unit	Order number
30 x 533	Coarse	3	626296000*
30 x 533	medium	3	626297000*
30 x 533	Very fine	3	626298000*
40 x 760	Coarse	3	626319000*
40 x 760	medium	3	626320000*
40 x 760	Very fine	3	626322000*

Felt band



- For polishing stainless steel and non-ferrous metals, always in conjunction with a polishing paste.
- Recommended circumferential speed: 10-20 m/s

Dimensions mm	Grit	Sales unit	Order number
30 x 533	Soft	1	626299000*
40 x 760	Soft	1	626323000*

Polishing pastes



- Polishing paste, white**
- For pre-polishing and polishing of steel and stainless steel
- Weight: 250 g

Order number

623520000



- Polishing paste, brown**
- For pre-polishing and polishing non-ferrous metals
- Weight: 250 g

623522000



- Polishing paste, blue**
- For high-gloss polishing of all metals
- Weight: 250 g

623524000

Additional accessories for tube belt sanders



- Vienna Lime**
- For cleaning, caring and polishing of smooth surfaces, especially stainless steel, silver, brass, glass, ceramics etc.
  - Contents: 300 g, shaker

Order number

626399000



- 3 Micro-fibre cloths 380 x 380 mm**
- For cleaning and evenly distributing protective media and polishes, for removing pastes and cream residue
  - Suitable for all metals and hard plastics

626398000\*



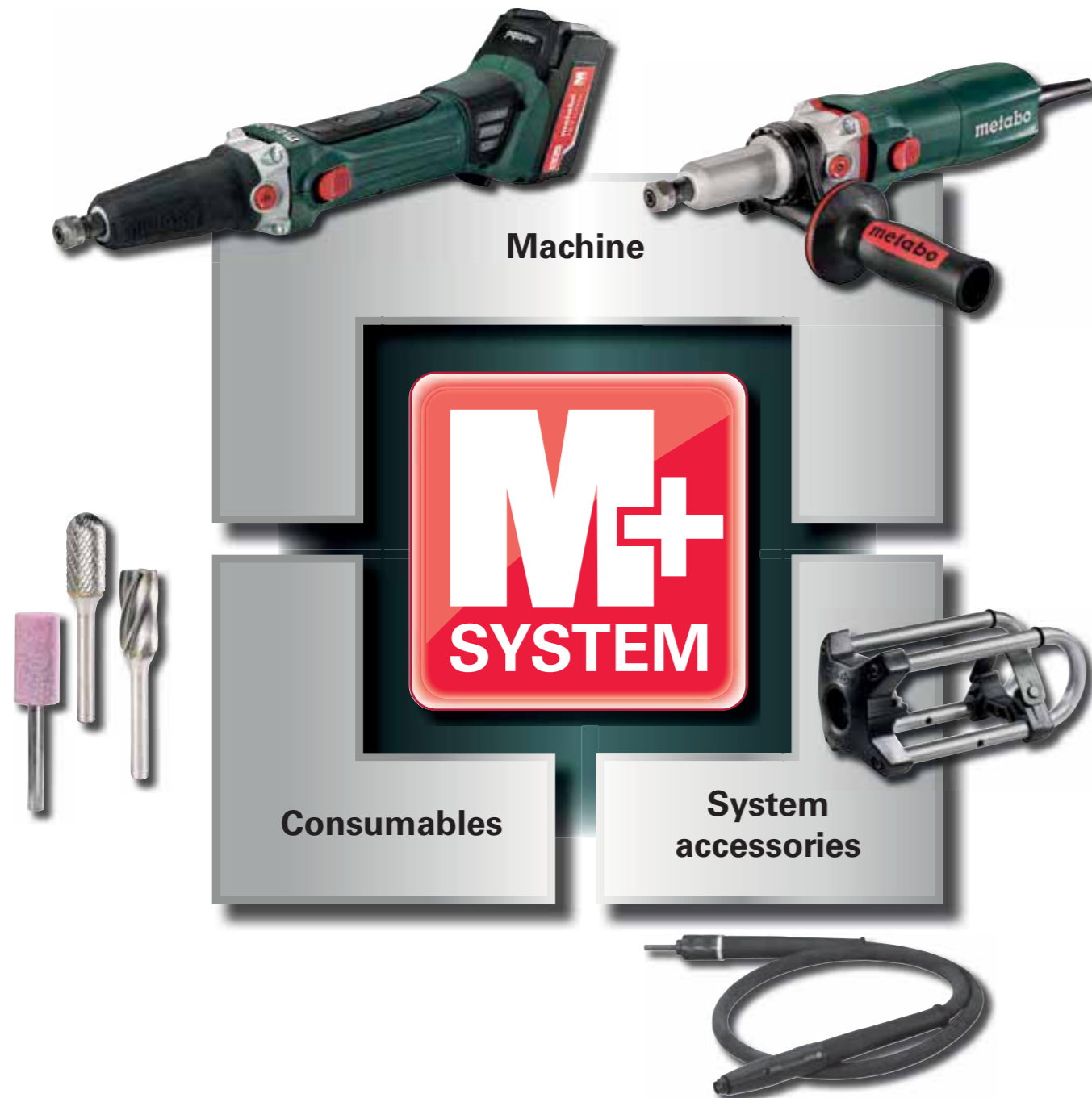
- Spray for stainless steel care 400 ml**
- For cleaning, conserving and sealing of surfaces, especially of stainless steels.

626377000

\*Self-service packaging

# M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR MAXIMUM PERFORMANCE.

Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum performance when cutting, roughing or milling thanks to Metabo + System effect.



## More Metal Processing

# DIE GRINDERS: SLIMLINE, YET POWERFUL.

Wherever metal constructions are created, a robust die grinder is an essential piece of equipment. These innovative power packs offer maximum productivity and precision for all applications. Whether mains-powered or with battery pack - Metabo's die grinders are amongst the slimmest and most compact machines on the market. Numerous safety functions such as the no-volt release switch or the electronic safety shutdown, protect user and machine.

### Safety and robustness

Aluminium die-cast bearing flange for long service life of the machine

A removable protective rubber cap ensures comfortable and safe working.

### Compact and light

With a body circumference of only 195 mm, the new Metabo die grinders are among the slimmest on the market. Although packed with power, the die grinders weigh only up to 1.7 kg



**MARATHON MOTOR**

**Metabo Marathon-Motor**  
Robust and resistant thanks to patented dust protection for long service life

### Highest precision

thanks to hardened and polished precision collet for accurate concentricity of the tool bit



### Restart protection

When the power supply is interrupted the no-volt release switch prevents unintentional restarting of the machine

### Electronic safety shutdown

Immediately switches the machine off should the bit snag

GE 950 G Plus



### Uniquely robust and quiet

The new planetary gear train ensures high torque in an extremely compact size.



### Unparalleled productivity: Spindle stop

Lock the gearing by simply pressing a button and change the tool bit without needing a second key.



### Extensive range of accessories

The die grinder can also be optimised as a stationary tool thanks to the tensioning frame and flexible shaft.



### Technical data

	Cordless Die Grinder GA 18 LTX	Cordless Die Grinder GPA 18 LTX	Cordless Die Grinder GA 18 LTX G
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V
No-load speed	25,000 /min	25,000 /min	6,000 /min
Collar diameter	43 mm	43 mm	43 mm
Collet chuck bore	6 mm	6 mm	6 mm
Weight (including battery pack)	2.1 kg	2.1 kg	2.2 kg

### Scope of delivery

Order number	600638	600621 <sup>1)</sup>	600639 <sup>1)</sup>
Collet 6 mm	■	■	■
Protective rubber cap	■	■	■
Side handle			■
Dust filter	■	■	■
Open-jawed spanner	■	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■	■
Plastic carry case	■	■	■
without battery pack, without charger			■

<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- Spindle lock for simple change of tool bits.
- Electronic safety shutdown of the motor for safe working in case the tool stops unexpectedly
- Restart protection: prevents unintentional start-up after power supply interruption
- Overload protection: protects the motor from overheating
- Removable protective rubber cap for comfortable and safe working
- Slim housing for ideal handling
- Precision collet for accurate concentricity
- Battery packs with capacity display for checking the charge status
- Paddle switch with dead-man function: safe operation due to an ergonomic integrated non-slip switch
- Robust planetary gear delivers high torque from a compact design

### System components

Accessories → 186

Battery packs → 64



Technical data	Die Grinder GE 710 Compact	Die Grinder GE 710 Plus	Die Grinder GEP 710 Plus
No-load speed	13,000 - 34,000 /min	10,000 - 30,500 /min	10,000 - 30,500 /min
Rated input power	710 W	710 W	710 W
Output power	430 W	430 W	430 W
Revolutions at rated load	24,000 /min	24,000 /min	24,000 /min
Collar diameter	43 mm	43 mm	43 mm
Collet chuck bore	6 mm	6 mm	6 mm
Weight (without power cable)	1.4 kg	1.6 kg	1.6 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order number	600615 <sup>1)</sup>	600616 <sup>1) 2)</sup>	600617 <sup>1) 2)</sup>
Collet 6 mm	■	■	■
Protective rubber cap		■	■
2 open-jawed spanners	■		
1 open-jawed spanner		■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Particularly handy due to the compact design
- Long grinding spindle - ideal for working at hard to reach places
- Spindle lock for simple change of tools
- Aluminium die-cast bearing flange for long service life of the machine
- Removable protective rubber cap for comfortable and safe working
- Paddle switch with dead-man function: safe operation due to an ergonomic integrated non-slip switch
- Long grinding spindle - ideal for working at hard to reach places
- Spindle lock for simple change of tools
- Aluminium die-cast bearing flange for long service life of the machine
- Removable protective rubber cap for comfortable and safe working
- Vario-Constamatic (VC)-Full wave electronics for working at customised speeds to suit the application materials, and speeds that remain almost constant even under load
- Thumbwheel for speed preselection
- Electronic safety shutdown of the motor for safe working in case the tool stops unexpectedly
- Restart protection: prevents unintentional start-up after power supply interruption
- Electronic overload protection for long service life
- Precise collar for stationary use
- Slim housing for ideal handling
- Precision collet for accurate concentricity
- Metabo Marathon motor with patented dust protection for long service life

System components

Accessories ▶ 186



Technical data	Die Grinder GE 950 G Plus	Die Grinder GEP 950 G Plus
No-load speed	2,500 - 8,700 /min	2,500 - 8,700 /min
Rated input power	950 W	950 W
Output power	510 W	510 W
Revolutions at rated load	7,200 /min	7,200 /min
Collar diameter	43 mm	43 mm
Collet chuck bore	6 mm	6 mm
Weight (without power cable)	1.7 kg	1.7 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600618 <sup>1) 2)</sup>	600627 <sup>1) 2)</sup>
Collet 6 mm	■	■
Protective rubber cap	■	■
Side handle	■	■
1 open-jawed spanner	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Paddle switch with dead-man function: safe operation due to an ergonomic integrated non-slip switch
- Robust planetary gear delivering high torque from a compact design
- Spindle lock for simple change of tools
- Aluminium die-cast bearing flange for long service life of the machine
- Vario-Constamatic (VC)-Full wave electronics for working at customised speeds to suit the application materials, and speeds that remain almost constant even under load
- Thumbwheel for speed preselection
- Electronic safety shutdown of the motor for safe working in case the tool stops unexpectedly
- Restart protection: prevents unintentional start-up after power supply interruption
- Electronic overload protection for long service life
- Precise collar for stationary use
- Removable protective rubber cap for comfortable and safe working
- Slim housing for ideal handling
- Precision collet for accurate concentricity
- Metabo Marathon motor with patented dust protection for long service life
- The specialist: handy grinder with especially high torque; ideal for grinding inner and outer surfaces in combination with flap wheels (see Accessories)

System components

Accessories ▶ 186

01  
02  
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# CARBIDE ROTARY BURRS

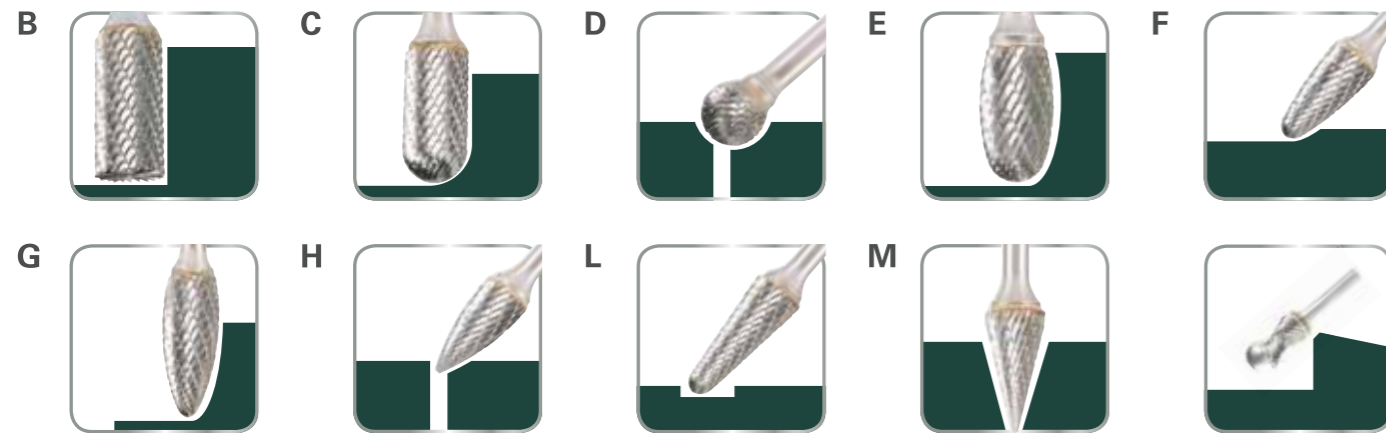
- Carbide head made from high-quality carbide with a percentage of Cobalt
- Specially hardened steel shaft
- Special copper soldering material for a safe connection
- 100% control of the soldering joint

## Design wave shape



Carbide burrs with a round spur cutting edges are produced with a wave geometry; this results in improved ease of cutting at the end of the tool.

## Shapes and applications at a glance



## Recommended cutting speeds for different material groups:

Material groups	Gearing	Cutting speed
Steel and die-cast materials	Construction steels Carbon steels Tool steels Non-alloy steels Case-hardening steels Cast steel	Cross-cut gearing 450 - 600 m/min
	hardened, heat-treated steels over 1,200 N/mm <sup>2</sup> (> 35 HRC) Tool steels Heat-treated steels Alloy steels Cast steel	Cross-cut gearing 250 - 350 m/min
Stainless steels	Stainless steels resistant to rust and acid austenitic and ferrous stainless steels	Cross-cut gearing 250 - 350 m/min
NF Metals	soft NF metals Aluminium Brass Copper Zinc	Aluminium gearing 600 - 900 m/min
	High temperature-resistant materials Nickel-base alloys Ni-Co alloys	Cross-cut gearing 300 - 450 m/min
Cast iron materials	Grey cast iron Ductile cast iron	Cross-cut gearing 450 - 600 m/min

**Example:** Material group: Stainless steel  
Gearing: cross Cutting speed: 250 - 350 m/min  
Cutter head Ø 8 mm **Recommended speed range: 10,000 - 14,000 /min**

## Recommended speed range:

Head Ø (mm)	Cutting speeds (m/min)					
	250	300	350	450	600	900
6	13.000	16.000	19.000	24.000	32.000	
8	10.000	12.000	14.000	18.000	24.000	
9.6	8.000	10.000	12.000	15.000	20.000	
12.7	6.000	7.500	9.000	11.000	15.000	23.000

# Carbide Rotary Burrs

## Carbide burrs

- Carbide burr with cross-cut gearing for general applications. The cross-cut gearing permits comfortable working and better control. Thanks to the improved ease of cutting, the material removal is increased. Suitable for almost all metals, such as hardened and unhardened steel, stainless steel, titanium, brass, copper, cast iron, bronze.
- Application examples: Deburring, machining of contours, processing of surfaces, milling of hard to reach places, machining of narrow angles

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Gearing	Order number
<b>Cylindrical burrs (cylinder / b-shape)</b> For general applications. Ideally suited for inner contours.						
<b>B</b>	6	18	50	6	Cross-cut gearing	628341000*
	8	19	64	6	Cross-cut gearing	628342000*
	9.6	19	64	6	Cross-cut gearing	628343000*
	12.7	25	70	6	Cross-cut gearing	628344000*
<b>Cylindrical burrs (radius end / C shape)</b> For processing surfaces, contours and radii.						
<b>C</b>	6	18	50	6	Cross-cut gearing	628345000*
	8	19	64	6	Cross-cut gearing	628346000*
	9.6	19	64	6	Cross-cut gearing	628347000*
	12.7	25	70	6	Cross-cut gearing	628348000*
<b>Spherical router burrs (sphere / D shape)</b> For the processing of contours and for deburring inner bores. Particularly for milling in hard to reach areas.						
<b>D</b>	6	4.7	50	6	Cross-cut gearing	628349000*
	8	6	52	6	Cross-cut gearing	628350000*
	9.6	8	54	6	Cross-cut gearing	628351000*
	12.7	11	56	6	Cross-cut gearing	628352000*
<b>Ellipse-shaped burrs (ellipse / E-shape)</b> For general applications.						
<b>E</b>	6	10	50	6	Cross-cut gearing	628372000*
	8	15	60	6	Cross-cut gearing	628373000*
	9.6	16	60	6	Cross-cut gearing	628402000*
	12.7	22	67	6	Cross-cut gearing	628374000*
<b>Compressed bevelled burrs (round arch / F shape)</b> For processing narrow workpieces.						
<b>F</b>	6	18	50	6	Cross-cut gearing	628353000*
	8	20	65	6	Cross-cut gearing	628354000*
	9.6	19	64	6	Cross-cut gearing	628355000*
	12.7	25	70	6	Cross-cut gearing	628356000*
<b>Compressed bevelled burrs (pointed arch / G shape)</b> For the processing of acute angles.						
<b>G</b>	6	18	50	6	Cross-cut gearing	628357000*
	8	19	64	6	Cross-cut gearing	628358000*
	9.6	19	64	6	Cross-cut gearing	628359000*
	12.7	25	70	6	Cross-cut gearing	628360000*
<b>Rotary burr - flame shape (H shape)</b> For general applications.						
<b>H</b>	6	14	50	6	Cross-cut gearing	628361000*
	8	19	64	6	Cross-cut gearing	628362000*
	9.6	19	65	6	Cross-cut gearing	628363000*
	12.7	32	77	6	Cross-cut gearing	628364000*

\* Self-service packaging

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Gearing	Order number
<b>L</b> 	<b>Conical burrs (round cone / L shape)</b> For processing hard to reach areas.					
	6	18	50	6	Cross-cut gearing	628401000*
	8	25.4	70	6	Cross-cut gearing	628365000*
	9.6	30	76	6	Cross-cut gearing	628366000*
	12.7	32	77	6	Cross-cut gearing	628367000*
<b>M</b> 	<b>Conical burr (pointed cone / M shape)</b> For processing hard to reach areas. Ideally suited for model construction. The conical shape permits the cutting of continuous diameters.					
	6	20	50	6	Cross-cut gearing	628368000*
	8	18	64	6	Cross-cut gearing	628369000*
	9.6	20	64	6	Cross-cut gearing	628370000*
	12.7	22	71	6	Cross-cut gearing	628371000*
	<b>Radius Cutter</b> Unparalleled radius cutter with special curved structure. The specially developed guide system prevents that the cutter slides off the work piece. Therefore it is ideally suited for fine radii at sharp corners/edges and good control over sharp edges. The special groove geometry (overlapping standard gearing in the bit centre) permits fine milling on all surfaces and quick material removal with long service life. The smooth face side helps guiding the cutter and protects the surface from damage. Specially developed for achieving radius chamfers in hard materials such as steel, stainless steel, cast iron, titanium, bronze, copper, brass, etc.					
	12.6	16	70	6	Simple gearing	628378000*

**Carbide cutters for aluminium**

- Carbide bit with special aluminium gearing for processing soft, long-chip materials such as aluminium and plastics. The aluminium gearing permits a high chip removal rate and high cutting performance with smooth operation.
- Application examples: Deburring, machining of contours, processing of surfaces, milling of hard to reach places, machining of narrow angles

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Gearing	Order number
<b>B</b> 	<b>Cylindrical cutters for aluminium (cylinder / B-shape)</b> Ideal for inside contours and general applications					
	12.7	25	70	6	Aluminium gearing	628375000*
<b>C</b> 	<b>Cylindrical cutter for aluminium (radius end / C shape)</b> For processing surfaces, contours and radii.					
	12.7	25	70	6	Aluminium gearing	628377000*
<b>D</b> 	<b>Spherical cutter for aluminium (sphere / D shape)</b> For processing contours and deburring of internal bores					
	12.7	11	56	6	Aluminium gearing	628376000*

**Carbide Burr sets**

- Carbide burrs with cross-cut gearing for general applications. The cross-cut gearing permits comfortable working and better control. Thanks to the improved ease of cutting, the material removal is increased. Suitable for almost all metals, such as hardened and unhardened steel, stainless steel, titanium, brass, copper, cast iron, bronze.
- Application examples: Deburring, machining of contours, processing of surfaces, milling of hard to reach places, machining of narrow angles






	Order number	
	628403000*	<b>Carbide burr Set</b> Contents: 1 x Order no.: head-Ø x working length x total length, shank-Ø, shape 1 x 628343000: 9.6 x 19 x 64 mm, 6 mm, cylinder/ B-shape 1 x 628347000: 9.6 x 19 x 64 mm, 6 mm, radius end/ C-shape 1 x 628351000: 9.6 x 8 x 54 mm, 6 mm, sphere/ D-shape 1 x 628402000: 9.6 x 16 x 60 mm, 6 mm, ellipse/ E-shape 1 x 628359000: 9.6 x 19 x 64 mm, 6 mm, pointed arch/ G-shape
	628404000*	<b>Carbide burr Set</b> Contents: 1 x Order no.: head-Ø x working length x total length, shank-Ø, shape 1 x 628343000: 9.6 x 19 x 64 mm, 6 mm, cylinder/ B-shape 1 x 628344000: 12.7 x 25 x 70 mm, 6 mm, cylinder/ B-shape 1 x 628347000: 9.6 x 19 x 64 mm, 6 mm, radius end/ C-shape 1 x 628348000: 12.7 x 25 x 70 mm, 6 mm, radius end/ C-shape 1 x 628352000: 12.7 x 11 x 56 mm, 6 mm, sphere/ D-shape 1 x 628402000: 9.6 x 16 x 60 mm, 6 mm, ellipse/ E-shape 1 x 628356000: 12.7 x 25 x 70 mm, 6 mm, round arch/ F-shape 1 x 628359000: 9.6 x 19 x 64 mm, 6 mm, pointed arch/ G-shape 1 x 628360000: 12.7 x 25 x 70 mm, 6 mm, pointed arch/ G-shape 1 x 628367000: 12.7 x 32 x 77 mm, 6 mm, round cone/ L-shape
	628405000	<b>Carbide burr display</b> Contents: 2 x Order no.: head-Ø x working length x total length, shank-Ø, shape 2 x 628341000: 6 x 18 x 50 mm, 6 mm, cylinder/ B-shape 2 x 628345000: 6 x 18 x 50 mm, 6 mm, radius end/ C-shape 2 x 628353000: 6 x 18 x 50 mm, 6 mm, round arch/ F-shape 2 x 628357000: 6 x 18 x 50 mm, 6 mm, pointed arch/ G-shape 2 x 628401000: 6 x 18 x 50 mm, 6 mm, round cone/ L-shape 2 x 628346000: 8 x 19 x 64 mm, 6 mm, radius end/ C-shape 2 x 628354000: 8 x 20 x 65 mm, 6 mm, round arch/ F-shape 2 x 628358000: 8 x 19 x 64 mm, 6 mm, pointed arch/ G-shape 2 x 628365000: 8 x 25.4 x 70 mm, 6 mm, round cone/ L-shape 2 x 628343000: 9.6 x 19 x 64 mm, 6 mm, cylinder/ B-shape 2 x 628347000: 9.6 x 19 x 64 mm, 6 mm, radius end/ C-shape 2 x 628355000: 9.6 x 19 x 64 mm, 6 mm, round arch/ F-shape 2 x 628359000: 9.6 x 19 x 64 mm, 6 mm, pointed arch/ G-shape 2 x 628366000: 9.6 x 30 x 76 mm, 6 mm, round cone/ L-shape 2 x 628344000: 12.7 x 25 x 70 mm, 6 mm, cylinder/ B-shape 2 x 628348000: 12.7 x 25 x 70 mm, 6 mm, radius end/ C-shape 2 x 628356000: 12.7 x 25 x 70 mm, 6 mm, round arch/ F-shape 2 x 628360000: 12.7 x 25 x 70 mm, 6 mm, pointed arch/ G-shape 2 x 628367000: 12.7 x 32 x 77 mm, 6 mm, round cone/ L-shape

\* Self-service packaging

### Corundum Mounted Points

#### Mounted points made of pink aluminium oxide





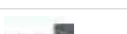
- Mounted points made from pink aluminium oxide for steel and cast steel
- For the preparation of weld seams, processing of weld seams
- Rough machining to fine processing
- For deburring and buffing

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Grit	Order number
	16	32	40	6	K 46	628330000*
	25	25	40	6	K 36	628331000*
	16	32	40	6	K 46	628332000*
	25	25	40	6	K 36	628333000*
	20	32	40	6	K 36	628334000*

**Mounted points made from pink aluminium oxide in a set**  
 Contents: 1 x Order no.: head-Ø x working length x total length, shank-Ø, grit, shape  
 1 x 628330000: 16 x 32 x 40 mm, 6 mm, K 46, Cylinders  
 1 x 628331000: 25 x 25 x 40 mm, 6 mm, K 36, Cylinders  
 1 x 628332000: 16 x 32 x 40 mm, 6 mm, K 46, Taper  
 1 x 628333000: 25 x 25 x 40 mm, 6 mm, K 36, Ball  
 1 x 628334000: 20 x 32 x 40 mm, 6 mm, K 36, Pointed arch

#### Mounted points made of aluminium oxide

- Mounted points made of aluminium oxide for processing stainless steel, Inox
- For the preparation of weld seams, processing of weld seams
- Rough machining to fine processing
- For deburring and buffing

	Head Ø mm	Working length mm	Overall length mm	Shaft Ø mm	Grit	Order number
	20	32	40	6	K 24	628336000*
	25	32	40	6	K 24	628337000*
	32	32	40	6	K 24	628338000*
	40	20	40	6	K 24	628339000*
	50	10	40	6	K 24	628340000*

### Small Cutting Discs for Steel



Corundum abrasive A 24, for steel

Diameter x thickness x bore mm	Maximum speed /min	Maximum working speed m/s	Sales unit / packaging unit	Order number
50 x 6 x 6	30.600	80	1/1	630187000
50 x 1.1 x 6	30.600	80	1/50	630191000
50 x 2 x 6	30.600	80	1/25	630192000
76 x 2 x 6	20.800	80	1/25	630194000
76 x 1.1 x 6	20.100	80	1/50	630195000
Mounting arbor for small cutting discs				630189000*

### Flap Wheels



- Aluminium oxide lamellar grinding wheels
- For processing profiled workpieces, inner surfaces, narrow and hard to reach areas. Particularly for radial use.
- Ideal for smoothing, rust removal, buffing, deburring; rough grinding of steel; processing of steel surfaces; tarnishing; flat surface grinding; effect grinding

Diameter x width mm	Shaft Ø mm	Grit	Maximum speed /min	Sales unit	Order number
Ø 50 x 20	6	P 40	15.200	1	628379000*
Ø 50 x 20	6	P 60	15.200	1	631110000*
Ø 50 x 20	6	P 80	15.200	1	628380000*
Ø 60 x 20	6	P 40	12.700	1	628381000*
Ø 60 x 20	6	P 60	12.700	1	628382000*
Ø 60 x 20	6	P 80	12.700	1	628383000*
Ø 60 x 30	6	P 40	12.700	1	628384000*
Ø 60 x 30	6	P 60	12.700	1	631111000*
Ø 60 x 30	6	P 80	12.700	1	628385000*
Ø 60 x 30	6	P 120	12.700	1	628386000*
Ø 60 x 30	6	P 180	12.700	1	628387000*
Ø 60 x 30	6	P 240	12.700	1	628388000*
Ø 60 x 40	6	P 40	12.700	1	628389000*
Ø 60 x 40	6	P 60	12.700	1	631112000*
Ø 60 x 40	6	P 80	12.700	1	628390000*
Ø 80 x 30	6	P 40	9.500	1	628391000*
Ø 80 x 30	6	P 60	9.500	1	628392000*
Ø 80 x 30	6	P 80	9.500	1	628393000*
Ø 80 x 30	6	P 120	9.500	1	628394000*
Ø 80 x 30	6	P 40	9.500	1	628395000*
Ø 80 x 40	6	P 60	9.500	1	628396000*
Ø 80 x 40	6	P 80	9.500	1	628397000*
Ø 80 x 50	6	P 40	9.500	1	628398000*
Ø 80 x 50	6	P 60	9.500	1	628399000*
Ø 80 x 50	6	P 80	9.500	1	628400000*



#### Collet chucks for die grinder




Collet bore	Version	Order number
3 mm	hexagon	631947000*
1/8" (3.18 mm)	hexagon	631948000*
6 mm	hexagon	631945000*
6 mm	double flat	630820000
8 mm	hexagon	631946000*
1/4" (6.35 mm)	hexagon	631949000*

\* Self-service packaging






Flexible shafts		Order number
	<b>Flexible shaft</b> <ul style="list-style-type: none"> <li>■ Suitable for speeds of 20,000 to 30,000 rpm</li> <li>■ Bearing-mounted at both ends</li> <li>■ For cutter, mounted points, lamellar grinding wheels etc. with 6 mm shaft diameter. Interchangeable collet for accessories with 3 mm shaft diameter available as accessory (630715000)</li> <li>■ 6 mm driving shaft for fixing the flexible shank in the collet bore of the drive machine. If the collet bore of the drive machine has a different dimension than 6 mm, the collet of the drive machine must be changed. 6 mm collet available as accessory (631945000).</li> </ul> Suitable for routers: FME 737 suitable for die grinders: G 500, GE 700, GE 710 Compact, GE 710 Plus Length: 1.3 m Driving shaft: 6 mm Collet bore: 6 mm Weight: 0.8 kg	627609000*
	<b>Flexible shaft</b> <ul style="list-style-type: none"> <li>■ Suitable for speeds of 7,500 to 30,000 rpm</li> <li>■ Bearing-mounted at both ends</li> <li>■ For cutter, mounted points, lamellar grinding wheels etc. with 8 mm shaft diameter. Interchangeable collet for accessories with 6 mm shaft diameter (630977000) and 3 mm shaft diameter (630976000) available as accessory</li> <li>■ 8 mm driving shaft for fixing the flexible shank in the collet bore of the drive machine. If the collet bore of the drive machine has a different dimension than 8 mm, the collet of the drive machine must be changed. 6 mm collet available as accessory (631945000)</li> </ul> Suitable for routers: FME 737 suitable for die grinder: G 500, GE 700, GE 900 Plus, GE 710 Compact, GE 710 Plus, GE 950 G Plus Length: 1.3 m Driving shaft: 8 mm Clamping bore: 8 mm Weight: 0.8 kg	630980000*

Collets for flexible shank 630980000		
Collet bore	Order number	
3 mm	630976000	
6 mm	630977000	
8 mm	630979000	

Collets for flexible shank 627609000		
Collet bore	Order number	
3 mm	630715000	
6 mm	630714000	

Additional Accessories for Die Grinders

	Order number
 <b>Tensioning frame</b> <ul style="list-style-type: none"> <li>■ Tensioning frame for working with a flexible shank</li> <li>■ The Metabo tensioning frame with hard rubber can be set up or hung up, is non-slip, stable and protects delicate surfaces from scratches.</li> <li>■ Suitable for GE 710 Plus, GE 950 G Plus, GA 18 LTX, GA 18 LTX G</li> </ul>	628329000
 <b>Clamping stand</b> <ul style="list-style-type: none"> <li>■ For safe clamping of drills and impact drills as well as die grinders and the motor of the router when working with flexible shanks. Locating bore Ø 43 mm. The clamp (627107000) serves for the secure fixing</li> </ul>	627354000*
 <b>Clamp</b> <ul style="list-style-type: none"> <li>■ For the secure fixing on a work table</li> </ul>	627107000*

# THE METABO BEVELLING TOOLS: FAST AND CLEAN PROCESSING OF EDGES.

The new beveling tools from Metabo are the ideal solution when it comes to breaking sharp edges, creating visible edges or preparing metal parts for coating. The new machines are extremely powerful with a chamfer height of up to 15 mm. The KFM 18 LTX 3 RF is also the world's first 18 Volt cordless beveling tool for chamfers of up to 4 mm and radii of up to 3 mm.



**Patented one-touch controller**  
Integrated stop points protect against unintentional adjustment of the cutting depth when working. Permits single-handed adjustment of the cutting depth without additional clamping lever.

**Fastest brake system for highest user protection:**  
Patented, mechanical brake system stops the router bit within 2 seconds after switching off.

**Compact perfection**  
Paddle switch with dead-man function: safe operation due to an ergonomic integrated non-slip switch

**Front handle**  
for safe and uniform guidance when milling, adjustable without the need for tools

**Easy handling**  
A milling head with 3 carbide indexable plates for chamfer angles from 0 - 90° with easy setting via the guide

**FAST BRAKE**

**PADDLE-SWITCH**

**KFMPB 15-10 F**

Machine	Milling geometry	Maximum chamfer height at 45°	adjustable chamfer angle	Application
KFM 9-3 RF	Chamfer and radius	4 mm	45°	<ul style="list-style-type: none"> <li>■ Create visible edges</li> <li>■ Preparation for coating</li> <li>■ Deburring</li> </ul>
KFM 18 LTX 3 RF	Chamfer and radius	4 mm	45°	
KFM 15-10 F	Chamfer	10 mm	0 - 90°	<ul style="list-style-type: none"> <li>■ Weld seam preparation flat material</li> <li>■ Weld seam preparation tubes</li> </ul>
KFMPB 15-10 F	Chamfer	10 mm	0 - 90°	
KFM 16-15 F	Chamfer	15 mm	0 - 90°	

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Technical data	Cordless Beveling Tool KFM 18 LTX 3 RF
Type of battery pack	Li-Ion / LiHD
Capacity of battery pack	5.5 Ah
Battery pack voltage	18 V
No-load speed	7,000 /min
Type of edges	Chamfer and radius
Max. chamfer height at 45°	4 mm
Max. radius	R3
Grading of cutting depth setting	0.1 mm
Weight (including battery pack)	3.1 kg

Scope of delivery

Order number	601754 <sup>1)</sup>
2 Carbide indexable inserts 45° chamfer	■
2 Carbide indexable inserts radius R2	■
2 Carbide indexable inserts radius R3	■
Guide fence	■
Screwdriver Torx 15	■
Side handle Metabo VibraTech (MVT)	■
Dust filter	■
2 LiHD battery packs (18 V/5.5 Ah)	■
Charger ASC 30-36 V »AIR COOLED«	■
MetaLoc case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Compact metal beveling tool for 45° chamfers and radii of 2 to 3 mm at visible edges
- Surfaces free from oxide and burrs as ideal preparation for the application of powder or paint coatings for maximum protection from corrosion
- World's first cordless beveling tool for maximum 4 mm chamfer height and 3 mm radii in steel
- One-touch controller: Patented, tool-free setting of the cutting depth in 0.1 steps; stop points for short setting times, and protection against unintentional adjustment of the cutting depth when working
- Slim cutter head with standard carbide indexable inserts and ball-bearing stationary seal ring for working in tubes and in curves
- Guide stop for a uniform and high quality surface finish when processing straight sheets
- Battery pack can be swivelled for better access when working in hard to reach places.
- Electronic overload protection, soft start and restart protection
- Detachable dust filter protects motor from coarse particles

System components

Accessories → 196 | Battery packs → 64



Technical data	Beveling Tool KFM 9-3 RF
No-load speed	11,500 /min
Rated input power	900 W
Output power	470 W
Type of edges	Chamfer and radius
Max. chamfer height at 45°	4 mm
Max. radius	R3
Grading of cutting depth setting	0.1 mm
Weight (without power cable)	2.5 kg
Cable length	4 m

Scope of delivery

Order number	601751 <sup>1) 2)</sup>
2 Carbide indexable inserts 45° chamfer	■
2 Carbide indexable inserts radius R2	■
2 Carbide indexable inserts radius R3	■
Guide fence	■
Screwdriver Torx 15	■
Side handle Metabo VibraTech (MVT)	■
MetaLoc case	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Compact metal beveling tool for 45° chamfers and radii of 2 to 3 mm at visible edges
- Surfaces free of oxide and burrs as ideal preparation for the application of powder or paint coatings for maximum protection from corrosion
- One-touch controller: Patented, tool-free setting of the cutting depth in 0.1 steps; stop points for short setting times, and to protect against unintentional adjustment of the cutting depth when working
- Slim cutter head with standard carbide indexable inserts and ball-bearing stationary seal ring for working in tubes and in curves
- Guide stop for uniform and high quality surface finish when processing straight sheets
- Metabo Marathon motor with patented dust protection for long service life
- Constamatic (C)-Full wave electronics: fast work progress by means of almost constant speed under load
- Electronic safety shutdown of the motor for safe working in case the tool stops unexpectedly
- Electronic overload protection, soft start and restart protection
- Slim housing for ideal handling

System components

Accessories → 196



Technical data	Beveling Tool KFMPB 15-10 F
No-load speed	12,500 /min
Rated input power	1,550 W
Output power	840 W
Type of edges	Chamfer
Max. chamfer height at 45°	10 mm
Grading of cutting depth setting	0.1 mm
Weight without power cable	5.1 kg
Cable length	4 m

Scope of delivery

Order number	601755 <sup>1) 2)</sup>	601752 <sup>1) 2)</sup>	601753 <sup>1) 2)</sup>
Stop roller	■	■	■
Screwdriver Torx 15	■	■	■
Offset screwdriver SW 1.5	■	■	■
Offset screwdriver SW 4	■	■	■
Side handle	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Metal beveling tool for chamfer heights up to 10mm for the preparation of weld seams with maximum user protection by virtue of dead man switch and brake system
- Constamatic (C)-Full wave electronics: fast work progress by means of almost constant speed under load
- Patented, mechanical brake system stops the cutter within 2 seconds after switching off
- Metal beveling tool for chamfer heights up to 10mm for the preparation of weld seams
- Constamatic (C)-Full wave electronics: fast work progress by means of almost constant speed under load
- Metal beveling tool for chamfer heights up to 15mm for the preparation of weld seams
- One-touch controller: Patented, tool-free setting of the cutting depth in 0.1 steps; stop points for short setting times, against unintentional adjustment of the cutting depth when working
- Precise setting of the chamfer angle directly via the guide plates
- Universal cutter head with three carbide indexable plates for all chamfer angles from 0-90°
- Controlled working by virtue of large-scale guide plates
- Stop roller to guide along pipes for easy preparation of weld seams
- Front handle for safe and uniform guidance, adjustable without the need for tools
- Metabo Marathon motor with patented dust protection for long service life
- Electronic overload protection, soft start and restart protection
- Protection of the user by virtue of lateral plates for conveying the chips






System components

Accessories → 196

### Accessories for Beveling Tools

#### Indexable Carbide Inserts



- For easy and perfect processing of milled edges, and for preparation of weld edges
- For deburring straight edges and contours; for 45° chamfers and to round edges
- Absolutely burr-free milling; permits clean and uniform processing
- For chamfering level workpieces in steel, stainless steel, cast, aluminium, brass and plastics

		Order number
	<b>10 Carbide indexable inserts chamfer 45°</b> suitable for: KFM 9-3 RF, KFM 18 LTX 3 RF	623560000
	<b>10 Carbide indexable inserts R2</b> suitable for: KFM 9-3 RF, KFM 18 LTX 3 RF	623561000
	<b>10 Carbide indexable inserts R3</b> suitable for: KFM 9-3 RF, KFM 18 LTX 3 RF	623562000
	<b>10 Carbide indexable inserts universal</b> suitable for: KFM 15-10 F, KFMPB 15-10 F, KFM 16-15 F	623564000
	<b>10 Fixing screws for indexable inserts</b> suitable for: KFM 15-10 F, KFMPB 15-10 F, KFM 16-15 F	623566000


### Accessories for Shears

#### Reversible blade

- Same blade for tappet and cutting bench


		Order number
	<b>Reversible blade</b> For the curve shear Ku 6870	630201000
	<b>Reversible blade</b> For the curve shear Ku 6872	631042000

#### Tappet blade

		Order number
	<b>Tappet blade</b> Suitable for Ku 6872 and Ku 6870	631041000

### Accessories for Nibblers

#### Punch

		Order number
	<b>Punch</b> For the nibbler Kn 6875 (as spare)	630202000

#### Dies

		Order number
	<b>Die</b> For the nibbler Kn 6875 (as spare)	630203000



#### Technical data

#### Metal Chop Saw CS 23-355

Grinding wheels (Ø x bore)	355 x 25.4 mm
Torque	18 Nm
No-load speed	4,000 /min
Rated input power	2,300 W
Cutting capacity steel bars	65 mm
Cutting capacity tubes	125 mm
Cutting capacity steel sections	115 x 130 mm
Maximum opening of vice jaws	238 mm
Dimensions of the base plate	468 x 282 mm
Transport height	400 mm
Weight	16.9 kg
Cable length	2.7 m

#### Scope of delivery

Order number	602335 <sup>1) 2)</sup>
Open-ended ring spanner	■
Inner support flange	■
Flange nut	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

#### Product advantages

- For single phase alternating current
- Powerful and fast cutting profiles, pipes and rods made of steel, cast iron, aluminium and other non-ferrous metals.
- Motor and gear with ball bearings for high loads
- Spindle lock for easy disc change
- Quick clamping device with variable mitre conversion from -15° up to 45°
- Easy to transport due to built-in handle and locking device
- High safety thanks to swivelling cutting guard
- Storage for double-ended wrench located in the machine table
- Safe working thanks to adjustable spark guide plate
- Adjustable cutting depth limiter

#### System components

Accessories ▶ 198

Quality class A 30-R / A 36-S »Flexiamant Super« steel



- High cutting output with good tool life in steel
- Tough version for powerful machines
- A 36-S: with an inside gauze for quick cuts
- Maximum working speed 80 m/s

Quality class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
A 30-R	350 x 3 x 25.4	—	4.365	1/10	616327000
A 36-S	350 x 3 x 25.4	—	4.365	1/10	616339000

Quality class A 24-M »Flexiamant Super«



- High cutting output with good tool life in steel
- Soft version for less powerful machines
- Maximum working speed 80 m/s

Quality class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
A 24-M	350 x 3 x 25.4	—	4.365	1/10	616338000

Quality class A 36-R »Flexiamant Super« Inox



- Medium-hard special cutting disc for stainless steel
- High cutting output with good tool life
- Maximum working speed 80 m/s

Quality Class	Diameter x thickness x bore mm	Version	Maximum speed /min	Sales unit / packaging unit	Order number
A 36-R	350 x 3 x 25.4	—	4.365	1/10	616343000



Technical data	Bench Grinder DS 125	Bench Grinder DS 150
Grinding wheels (Ø x thickness x bore)	125 x 20 x 20 mm	150 x 20 x 20 mm
No-load speed	2,980 /min	2,980 /min
Rated input power	200 W	350 W
Output power	130 W	200 W
Breakdown torque	0.9 Nm	1.1 Nm
Weight	7.5 kg	9.5 kg
Cable length	2 m	2 m

Scope of delivery

Order number	619125	619150 <sup>1)</sup>
Aluminium oxide grinding discs 36 P and 60 N	■	■
Spark protection glasses	■	■
Work piece support	■	■
Hexagonal wrench	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Small and space-saving workshop machine
- Low-noise and low-vibration, maintenance-free induction motor
- Motor for single phase alternating current
- Protective cover bayonet lock for quick and simple wheel change
- Large spark protection guards for eye protection
- Vibration-dampening rubber feet for safe support

System components

Accessories → 202

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Technical data	Bench Grinder DS 175	Combo Bench Grinder BS 175	Combo Dry-et Grinder TNS 175
Grinding wheels (Ø x thickness x bore)	175 x 25 x 32 mm	175 x 25 x 32 mm	175 x 25 x 32 mm
Wet grinding wheel (Ø x thickness x bore)	-	-	200 x 40 x 20 mm
No-load speed	2,980 /min	2,980 /min	2.980/132 /min
Rated input power	500 W	500 W	500 W
Output power	310 W	310 W	310 W
Breakdown torque	2.3 Nm	2.3 Nm	2.3 Nm
Length of belt grinding arm	-	285 mm	-
Sanding belt	-	50 x 1,020 mm	-
Extraction nozzle, internal Ø:	35 mm	35 mm	35 mm
Weight	14.5 kg	14.5 kg	14.9 kg
Cable length	2 m	2 m	2 m

Scope of delivery

Order number	619175 <sup>1)</sup>	601750	611750
Aluminium oxide grinding discs 36 P and 60 N	■		
Aluminium oxide sanding disc 60 N		■	■
Fabric belt K 60		■	
Wet grinding wheel			■
Spark protection glasses	■	■	■
Work piece support	■	■	■
Hexagonal wrench	■	■	■
Corrosion-proof water bath container			■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Large belt sanding arm which can be infinitely tilted by 90° for processing wood and metal work pieces
- Varied application by means of combination of wet and dry grinding disc
- Corrosion-proof water bath container
- Sturdy machine for sophisticated sharpening, grinding and deburring tasks
- Low-noise and low-vibration, maintenance-free induction motor
- Motor for single phase alternating current
- Protective covers closed on the sides with extraction nozzle
- Protective cover bayonet lock for quick and simple wheel change
- Dust-protected emergency stop switch
- Restart protection: prevents unintentional start-up after power supply interruption
- Workpiece support adjustable without tools
- Large spark protection guards for eye protection
- Vibration-dampening rubber feet for safe support

System components

Accessories → 202



Technical data	Bench Grinder DS 200	Bench Grinder DSD 200	Bench Grinder DSD 250
Grinding wheels (Ø x thickness x bore)	200 x 25 x 32 mm	200 x 25 x 32 mm	250 x 40 x 51 mm
No-load speed	2,980 /min	2,980 /min	1,490 /min
Rated input power	600 W	750 W	900 W
Output power	370 W	450 W	540 W
Breakdown torque	2.6 Nm	6.2 Nm	10 Nm
Extraction nozzle, internal Ø:	35 mm	35 mm	35 mm
Weight	16.3 kg	16 kg	33.3 kg
Cable length	2 m	2 m	2 m

Scope of delivery

Order number	619200 <sup>1)</sup>	619201	619250 <sup>1)</sup>
Aluminium oxide grinding discs 36 P and 60 N	■	■	■
Spark protection glasses	■	■	■
Work piece support	■	■	■
Hexagonal wrench	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Motor for single phase alternating current
- Powerful 3 phase motor with high torque
- Powerful 3 phase motor with high torque
- Particularly powerful machine for high requirements
- Low-noise and low-vibration, maintenance-free induction motor
- Robust die-cast aluminium protective covers
- Protective cover bayonet lock for quick and simple wheel change
- Dust-protected emergency stop switch
- Restart protection: prevents unintentional start-up after power supply interruption
- Workpiece support adjustable without tools
- Large spark protection guards for eye protection
- Vibration-dampening rubber feet for safe support

System components

Accessories → 202

01  
02  
03  
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## Grinding Wheels

### Grinding discs, aluminium oxide



- For sanding/grinding tool steel
- Fine grit (60N): suitable for fine grinding of hardened and unhardened steels, for example spiral drills, screwdrivers, chisels, turning chisels, splitting tools, bevelled-edge chisels, carving knives
- Coarse grit (36P): suitable for pre-grinding of hardened and unhardened steels, for example chisels, splitting tools

Diameter x thickness x bore mm	Grit and hardness	Suitable for	Order number
120 x 20 x 20	36 P	DS 125 / Ds W 3150	629088000
120 x 20 x 20	60 N	DS 125 / Ds W 3150	629089000
120 x 20 x 12	60 N	DS 125 W / Ds W 3150	629090000
150 x 20 x 20	36 P	DS 150 / Ds W 3150	630632000
150 x 20 x 20	60 N	DS 150 / Ds W 3150	630633000
150 x 20 x 32	36 P	Ds 7202	630777000
150 x 20 x 32	60 N	Ds 7202 / Ds 7203	630778000
175 x 25 x 20	36 P	DS 175 W / DS 175 D	629091000
175 x 25 x 20	60 N	DS 175 W / DS 175 D	629092000
175 x 25 x 32	36 P	DS 175 / BS 175 / TNS 175 / Ds W 5175 / Ds D 6175	630657000
175 x 25 x 32	60 N	DS 175 / BS 175 / TNS 175 / Ds W 5175 / Ds D 6175	630656000
200 x 25 x 20	36 P	DS 200/25 W / DS 200/25 D	629093000
200 x 25 x 20	60 N	DS 200/25 W / DS 200/25 D	629094000
200 x 25 x 32	36 P	DS 200 / DSD 200 / Ds 7211 / Ds W 9200 / Ds D 9201	630784000
200 x 25 x 32	60 N	DS 200 / DSD 200 / Ds 7211 / Ds W 9200 / Ds D 9201	630785000
200 x 32 x 32	36 P	Ds W 9200 / Ds D 9201	630634000
200 x 32 x 32	60 N	Ds W 9200 / Ds D 9201	630635000
250 x 32 x 32	24 Q	Ds 7226	630788000
250 x 32 x 32	60 N	Ds 7226	630789000
250 x 40 x 51	36 P	DSD 250 / Ds D 9250	630636000
250 x 40 x 51	60 N	DSD 250 / Ds D 9250	630637000

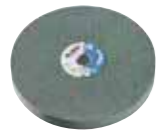
### Pink aluminium oxide grinding wheels



- For sanding/grinding HSS tools

Diameter x thickness x bore mm	Grit and hardness	Suitable for	Order number
150 x 20 x 20	80 J	Ds W 3150	630638000
150 x 50 x 13	80 I	Ds 7203	630779000

### Silicone carbide grinding wheels



- Suitable for fine ground finish on hard metals and carbide-coated tools, grey cast iron, copper, aluminium, glass, ceramics

Diameter x thickness x bore mm	Grit and hardness	Suitable for	Order number
120 x 20 x 20	80 J	DS 125	629102000
150 x 20 x 20	80 J	DS 150 / Ds W 3150	629103000
175 x 25 x 20	80 J	DS 175 W / DS 175 D / TNS 175	629095000
175 x 25 x 32	80 J	DS 175 / BS 175 / TNS 175	629104000
200 x 25 x 20	80 J	DS 200/25 W / DS 200/25 D / TNS 175	629096000
200 x 25 x 32	80 J	DS 200 / DSD 200 / Ds W 9200 / Ds D 9201	629105000
250 x 40 x 51	80 J	DSD 250 / Ds D 9250	629106000

### Wet grinding discs



- Suitable for fine grinding of unhardened steels, for example knives, bevelled-edge chisels, turning chisels, splitting tools, shears.

Diameter x thickness x bore mm	Grit and hardness	Suitable for	Order number
150 x 30 x 20	220 K	TNS 150 W	629097000
200 x 40 x 20	220 K	TNS 175	629098000

## Sanding Belts

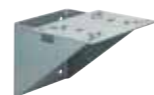


- High-quality sanding paper (normal corundum) with dense distribution, high removal of material and long durability. Universal use: For grinding and deburring metals, non-alloyed and low-alloyed steels, cast iron, aluminium alloys, brass, bronze, hard metal coatings, rubber, plastics etc.
- Recommended circumferential speed: 25-35 m/s

Dimensions mm	Grit	Sales unit	Order number
50 x 650	P 60	3	629060000*
50 x 650	P 100	3	629061000*
50 x 650	P 150	3	629062000*
50 x 1.020	P 60	3	629063000*
50 x 1.020	P 80	3	629064000*
50 x 1.020	P 100	3	629065000*
50 x 1.020	P 120	3	629066000*
50 x 1.020	P 180	3	629067000*
50 x 1.020	P 240	3	629068000*
50 x 1.020	P 400	3	629069000*

## Further Accessories for Bench Grinders

	Order number
<b>Dressing stick</b> Dressing stick made of silicone carbide. For dressing grinding wheels; blunt grinding abrasives are removed.	629099000
<b>Stands</b> Suitable for all Metabo bench grinders (built after 2005). With pull out container for cooling water or handy tool storage. A double vertical slit for storage of disks, tools etc. Height 835 mm, dimensions of top: 200 x 280 mm; Ø base plate: 340 mm	623867000
<b>Wall Panel</b> Suitable for all Metabo bench grinders up to disc -Ø 200 mm (built after 2005), except BS 175, DS 250 D. Dimensions: 280 mm x 90 mm x 204 mm	623862000



\* Self-service packaging

# M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR MAXIMUM PERFORMANCE.

Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum performance for screwdriving, drilling, chiselling or stirring thanks to Metabo + System effect.



**Drilling  
Chiselling  
Screwdriving  
Stirring**

# IMPACT DRILLS AND ROTARY DRILLS: QUALITY FOR OVER 90 YEARS.

Our drills look back on tradition: Since in 1924 the »Metallbohrdreher« (metal drill) gave the company its name, we have been continuously implementing new standards when it comes to drilling. Our high quality standards guarantee optimum work results and precise holes. Whether in wood, metal, masonry or concrete - every material has different requirements in terms of drill speed, torque, speed and the drill. We offer the right machine including accessories for any challenge.

**Die-cast aluminium gear housing**  
Extremely resilient gear housing for quick heat dissipation and ideal spindle bearing location



**Metabo S-automatic Torque Limiting Clutch**  
Limitation of any sudden reverse torque to protect user and machine.

**Hexagon socket housed in the end of the spindle**  
The screwdriver bit can be inserted directly into the spindle.



**MARATHON MOTOR**

**Robust Metabo Marathon Motor**  
for extra long service life thanks to special protection from abrasive effects of dust



**Vario Tacho Constamatic (VTC) Full-wave Electronics**  
Maintains speed for highest drilling output with all drill diameters. Variable change of the speed for material-matched working

**Rotating carbon brush bridge**  
for maximum performance even in anti-clockwise rotation, e.g. when removing stubborn screws



**Overload protection and restart protection**  
for the safety of the user and the machine

**Cable-protecting ball joint**  
to protect electrical connections and allow freedom of motion when working

**SBE 1100 Plus**



**Impact Drills**  
Powerful. Robust. Durable. These versatile all-rounders convince with highest performance and reliability on the construction site and in the workshop.



**Drills**  
Whether highly accurate with Futuro Top drill chuck in the metal sector or powerful and durable with the practical Metabo Quick system in the wood sector - specialists for any application.



**Magnetic Core Drills**  
Mains-powered for continuity in tough everyday work or maximum flexibility thanks to innovative cordless magnetic drilling technology with the MAG 28 LTX 32 - for versatile applications.

## WHICH IMPACT DRILL FOR WHICH APPLICATION?

	Impact drilling in concrete/ stone/masonry max. Ø mm	Drilling in metal / wood max. Ø mm	Output	Torque limiting clutch	Marathon motor	Constant electronics	Restart protection	Overload protection	Impuls function
<div style="display: flex; justify-content: space-around; align-items: center;"> </div>									
<b>1-speed Impact Drills</b>									
	SBE 610	12 mm	10	20	610 Watt				
	SB 650 / SBE 650 / SBE 650 Impuls	16 mm	13	30	650 Watt				- / - / •
<b>2-speed Impact Drills</b>									
	SB 760 / SBE 760	16 mm	13	40	760 Watt				
	SB 710 / SBE 710	20 mm	13	40	710 Watt	•	•		
	SBE 751	20 mm	13	40	750 Watt	•	•		
	SBE 850	20 mm	13	40	850 Watt	•	•		
	SB 900 Impuls	20 mm	13	40	900 Watt	•	•	•*	•
	SBE 1000	20 mm	16	40	1,000 Watt	•	•	•	•
	SBE 1100 Plus	20 mm	16	40	1,100 Watt	•	•	•	•
	SBE 1300	20 mm	16	40	1,300 Watt	•	•	•	•

\* VC electronics

■ ideal range

■ possible range

For even larger diameters when drilling in hard materials we recommend to use a Metabo drill, combination or mult-hammer.

Equipment: • present





Technical Data	Impact Drill SBE 610	Impact Drill SB 650	Impact Drill SBE 650	Impact Drill SBE 650 Impuls
Rated input power	610 W	650 W	650 W	650 W
Output power	360 W	320 W	320 W	320 W
Maximum torque - soft	13 Nm	9 Nm	9 Nm	9 Nm
Drill diameter in				
- Concrete	12 mm	16 mm	16 mm	16 mm
- Steel	10 mm	13 mm	13 mm	13 mm
- Soft wood	20 mm	30 mm	30 mm	30 mm
No-load speed	0 - 3,100 /min	2,800 /min	0 - 2,800 /min	0 - 2,800 /min
Revolutions at rated load	1,900 /min	1,500 /min	1,500 /min	1,500 /min
Maximum impact rate	62,000 /min	44,800 /min	44,800 /min	44,800 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Collar diameter	43 mm	43 mm	43 mm	43 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Weight (without power cable)	2 kg	1.8 kg	1.8 kg	1.8 kg
Cable length	4 m	2.6 m	2.6 m	2.6 m

Scope of delivery

Order number	606101	600670	600671 <sup>1) 2)</sup>	600672
Geared chuck		■		
Chuck key		■		
Futuro Plus keyless chuck	■		■	■
Side handle	■	■	■	■
Drilling depth guide	■	■	■	■
Plastic carry case	■		■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Forward and reverse rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Forward and reverse rotation
- Selectable »impulse« mode for removal of damaged screws and for spot-drilling on smooth surfaces
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Forward and reverse rotation

System components

Accessories ▶ 228



Technical Data	Impact Drill SB 760	Impact Drill SBE 760	Impact Drill SB 710	Impact Drill SBE 710
Rated input power	760 W	760 W	710 W	710 W
Output power	370 W	370 W	420 W	420 W
Maximum torque - soft	24 Nm/9 Nm	24 Nm/9 Nm	28 Nm/12 Nm	28 Nm/12 Nm
Drill diameter in				
- Concrete	16 mm	16 mm	20 mm	20 mm
- Steel	13 mm/8 mm	13 mm/8 mm	13 mm/8 mm	13 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm	40 mm/25 mm	40 mm/25 mm
No-load speed	1,200/3,200 /min	0 - 1,200 / 0 - 3,200 /min	1,000/3,100 /min	0 - 1,000 / 0 - 3,100 /min
Revolutions at rated load	800/2,300 /min	800/2,300 /min	600/1,800 /min	600/1,800 /min
Maximum impact rate	58,000 /min	58,000 /min	59,000 /min	59,000 /min
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Collar diameter	43 mm	43 mm	43 mm	43 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Weight (without power cable)	2.3 kg	2.3 kg	2.7 kg	2.7 kg
Cable length	2.6 m	2.6 m	4 m	4 m

Scope of delivery

Order number	600840	600841 <sup>1) 2)</sup>	600861 <sup>1)</sup>	600862 <sup>1) 2)</sup>
Geared chuck	■		■	
Chuck key	■		■	
Futuro Plus keyless chuck		■		■
Side handle	■	■	■	■
Drilling depth guide	■	■	■	■
Plastic carry case		■		■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Forward and reverse rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Metabo Marathon motor with patented dust protection for long service life
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Forward and reverse rotation
- Spindle with hexagonal recess for screwdriver bits for working without chuck

■ Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the tool stop unexpectedly.

System components

Accessories ▶ 228



Technical Data	Impact Drill SBE 751	Impact Drill SBE 850	Impact Drill SBE 900 Impuls
Rated input power	750 W	850 W	900 W
Output power	450 W	520 W	550 W
Maximum torque - soft	30 Nm/13 Nm	36 Nm/14 Nm	38 Nm/14 Nm
Drill diameter in			
- Concrete	20 mm	20 mm	20 mm
- Steel	13 mm/8 mm	13 mm/8 mm	13 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm	40 mm/25 mm
No-load speed	0 - 1,000 / 0 - 3,100 /min	0 - 1,100 / 0 - 3,400 /min	0 - 1,000 / 0 - 3,100 /min
Revolutions at rated load	600/1,800 /min	630/1,900 /min	800/2,300 /min
Maximum impact rate	59,000 /min	60,000 /min	59,000 /min
Chuck capacity	1 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Collar diameter	43 mm	43 mm	43 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Weight (without power cable)	2.7 kg	2.8 kg	2.8 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order number	600863 <sup>1)</sup>	600842	600865 <sup>1) 2)</sup>
Futuro Plus keyless chuck		■	■
Futuro Top keyless chuck	■		
Rubber-coated handle	■	■	■
Drilling depth guide	■	■	■
Plastic carry case	■	■	■

Equipment variants can be found in the Metabo price list and on the internet

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Keyless chuck and spindle stop gear for convenient one-hand tool change
- Selectable »impulse« mode for removal of damaged screws and for spot-drilling on smooth surfaces
- Vario-Constamatic (VC)-Full wave electronics for working at customised speeds to suit the application materials, and speeds that remain almost constant even under load
- Speed pre-selection for uniform driving in of screws
- Thumbwheel for speed preselection
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Forward and reverse rotation
- Metabo Marathon motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the tool stop unexpectedly.
- Spindle with hexagonal recess for screwdriver bits for working without chuck

System components

Accessories ▶ 228



Technical Data	Impact Drill SBE 1000	Impact Drill SBE 1100 Plus	Impact Drill SBE 1300
Rated input power	1,000 W	1,100 W	1,300 W
Output power	620 W	660 W	790 W
Maximum torque - soft	40 Nm/15 Nm	44 Nm/16 Nm	46 Nm/17 Nm
Drill diameter in			
- Concrete	20 mm	20 mm	20 mm
- Steel	16 mm/8 mm	16 mm/8 mm	16 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm	40 mm/25 mm
No-load speed	0 - 800 / 0 - 2,700 /min	0 - 900 / 0 - 2,800 /min	0 - 1,000 / 0 - 3,100 /min
Revolutions at rated load	800/2,700 /min	900/2,800 /min	1,000/3,100 /min
Maximum impact rate	51,000 /min	53,000 /min	58,000 /min
Chuck capacity	1.5 - 13 mm	1 - 13 mm	1.5 - 13 mm
Collar diameter	43 mm	43 mm	43 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Weight (without power cable)	2.8 kg	2.9 kg	3 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order number	600866	600867 <sup>1) 2)</sup>	600843
Futuro Plus keyless chuck	■		■
Futuro Top keyless chuck		■	
Rubber-coated handle	■		
Long additional handle		■	■
Drilling depth guide	■	■	■
Plastic carry case	■	■	■

Equipment variants can be found in the Metabo price list and on the internet

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)








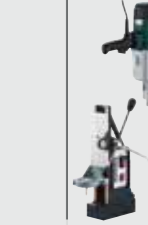

Product advantages

- Keyless chuck and spindle stop gear for convenient one-hand tool change
- Overload protection: protects the motor from overheating
- Wear Indication for Carbon Brushes
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Thumbwheel for speed preselection
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Forward and reverse rotation
- Metabo Marathon motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the tool stop unexpectedly.
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Restart protection: prevents unintentional start-up after power supply interruption








System components

Accessories ▶ 228

WHICH DRILL FOR WHICH APPLICATION?

																		
Comparative technical values	BE 6	BE 10	BE 500/6	BE 500/10	BE 600/13-2	BE 75-16	BE 75 Quick		BE 751	BE 1100	BE 1300 Quick	BDE 1100	B 32/3	WBE 700	MAG 28 LTX 32	MAG 32	MAG 50	B 32/3 + M 100*
Rated input power/ battery pack voltage	450 Watt	450 Watt	500 Watt	500 Watt	600 Watt	750 Watt	750 Watt		750 Watt	1,100 Watt	1,300 Watt	1,100 Watt	1,800 Watt	700 Watt	25.2 Volt	1,000 Watt	1,200 Watt	1,800 Watt
Drill Ø in steel	6 mm	10 mm	6 mm	10 mm	13 / 8 mm	16 mm	16 mm		13 / 8 mm	16 / 8 mm	16 / 8 mm	16 / 10 mm	32 mm	10 mm	32 mm	32 mm	50 mm	100 mm
Drill Ø in soft wood	12 mm	20 mm	20 mm	30 mm	37 / 27 mm	50 mm	50 mm		40 / 25 mm	40 / 25 mm	40 / 25 mm	40 / 25 mm	70 mm	25 mm				
No-load speed	0-4,000 /min	0-2,400 /min	0-4,500 /min	0-1,600 /min	0-750 / 0-2,500 /min	0-660 /min	0-660 /min		0-1,000 / 0-3,100 /min	0-900 / 0-2,800 /min	0-1,000 / 0-3,100 /min	0-640 / 0-1,200 /min	0-170 / 0-320 / 0-470 /min	850-2,600 /min	380 / 680 /min	700 /min	100-250 / 200-450 /min	0-170 / 0-320 / 0-470 /min
Chuck capacity	0-10 mm	0-10 mm	0-10 mm	1-13 mm	1-13 mm	1.5-13 mm	1.5-13 mm		1.5-13 mm	1.5-13 mm	1.5-13 mm	3-16 mm	-	1-10 mm	depending on drill chuck	depending on drill chuck	depending on drill chuck	depending on drill chuck
Weight without mains cable/ with battery pack	1.3 kg	1.3 kg	1.5 kg	1.8 kg	1.9 kg	2.6 kg	2.6 kg		2.7 kg	2.9 kg	3.0 kg	4.3 kg	7.8 kg	2.0 kg	14.5 kg	11.9 kg	12.7 kg	29.5 kg
Bit retainer	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF	-		1/2" - 20 UNF	1/2" - 20 UNF	-	5/8" - 16 UN	MK 3	1/2" - 20 UNF	MK 2 + Weldon	Weldon	MK 2 + Weldon	MK 3
Maximum torque soft	7 Nm	10 Nm	8 Nm	16 Nm	31 / 9 Nm	75 Nm	75 Nm		30 / 13 Nm	44 / 16 Nm	46 / 17 Nm	55 / 22 Nm	190 / 120 / 90 Nm	8 Nm				

Application	BE 6	BE 10	BE 500/6	BE 500/10	BE 600/13-2	BE 75-16	BE 75 Quick		BE 751	BE 1100	BE 1300 Quick	BDE 1100	B 32/3	WBE 700	MAG 28 LTX 32	MAG 32	MAG 50	B 32/3 + M 100*
Small drill Ø wood	■	■■	■■■	■■■	■■■	■	■		■■■	■	■■■	■		■				
Large drill Ø wood				■	■	■■■	■■■		■	■	■	■	■■■					
Small drill Ø metal	■■■	■	■■■	■■■	■■■	■	■		■■■	■	■■■	■		■	■	■	■	■
Large drill Ø metal					■	■	■		■	■	■	■	■■■		■■■	■■■	■■■	■■■
Light screwing applications		■		■	■■■	■■■	■■■		■	■	■	■	■	■				
Heavy screwing applications						■	■		■	■	■	■	■■■					

Equipment	BE 6	BE 10	BE 500/6	BE 500/10	BE 600/13-2	BE 75-16	BE 75 Quick		BE 751	BE 1100	BE 1300 Quick	BDE 1100	B 32/3	WBE 700	MAG 28 LTX 32	MAG 32	MAG 50	B 32/3 + M 100*
 Metabo S-automatic Torque Limiting Clutch						●	●		●	●	●	●	●					●
 Vario-Tacho-Constamatic (VTC)										●	●							●
 Vario-Constamatic (VC)														●				
 Overload protection										●	●				●			
 Restart protection										●	●					●	●	
 Metabo Marathon-Motor									●	●	●					●	●	
 Metabo »Quick« tool quick change							●				●							

\*combination of drill B 32/3 and magnetic drill stand M 100, can be ordered only separately

Application: ■ suitable ■■ very suitable ■■■ optimum Equipment: ● present



Technical data	Drill BE 6	Drill BE 10	Drill BE 650
Rated input power	450 W	450 W	650 W
Output power	240 W	240 W	320 W
Drill diameter in			
- Steel	6 mm	10 mm	13 mm
- Soft wood	12 mm	20 mm	30 mm
No-load speed	0 - 4,000 /min	0 - 2,400 /min	0 - 2,800 /min
Revolutions at rated load	2,200 /min	1,500 /min	1,500 /min
Maximum torque soft	7 Nm	10 Nm	9 Nm
Collar diameter	-	-	43 mm
Chuck capacity	1 - 10 mm	1 - 10 mm	1.5 - 13 mm
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Drill spindle with hexagonal recess	-	-	1/4" (6.35 mm)
Weight (without power cable)	1.3 kg	1.3 kg	1.8 kg
Cable length	2.6 m	2.6 m	2.55 m

**Scope of delivery**

Order number	600132	600133	600360 <sup>1)</sup>
Geared chuck	■	■	■
Chuck key	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Small, handy bench machine
- Small, handy bench machine
- Thumbwheel for speed preselection
- Spindle with hexagonal recess for screwdriver bits for working without chuck
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Forward and reverse rotation
- Handle with non-slip soft-grip surface

**System components**

Accessories → 228



Technical Data	Drill BE 500/6	Drill BE 500/10	Drill BE 600/13-2
Rated input power	500 W	500 W	600 W
Output power	250 W	250 W	290 W
Drill diameter in			
- Steel	6 mm	10 mm	13 mm/8 mm
- Soft wood	20 mm	30 mm	37 mm/27 mm
No-load speed	0 - 4,500 /min	0 - 1,600 /min	0 - 750 / 0 - 2,500 /min
Revolutions at rated load	2,600 /min	1,000 /min	450/1,500 /min
Maximum torque soft	8 Nm	16 Nm	31 Nm/9 Nm
Collar diameter	43 mm	43 mm	43 mm
Chuck capacity	1 - 10 mm	1 - 13 mm	1 - 13 mm
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF	1/2" - 20 UNF
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight (without power cable)	1.5 kg	1.8 kg	1.9 kg
Cable length	4 m	4 m	4 m

**Scope of delivery**

Order number	600343	600353	600383
Futuro Top keyless chuck	■	■	■
Side handle	■	■	■
Open-jawed spanner	■	■	■

**Product advantages**

- Optimal speed range for precise drilling into steel up to Ø 6 mm
- Optimal speed range for precise drilling into steel up to Ø 10 mm
- Two-speed gearbox with wide speed range for versatile drilling applications up to Ø 13 mm in steel
- Thumbwheel for speed preselection
- Handy drill especially for demanding metal processing
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Particularly compact design with small width across corners
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Forward and reverse rotation
- Keyless chuck and spindle stop for convenient one-hand tool change
- Futuro top quick action keyless chuck: automatic retightening when drilling for precise drilling results
- Handle with non-slip soft-grip surface

**System components**

Accessories → 228

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Technical Data	Drill BE 75-16	Drill BE 75 Quick	Drill BE 75-X3 Quick
Rated input power	750 W	750 W	750 W
Output power	470 W	470 W	470 W
Drill diameter in			
- Steel	16 mm	16 mm	16 mm
- Soft wood	50 mm	50 mm	50 mm
No-load speed	0 - 660 /min	0 - 660 /min	0 - 660 /min
Revolutions at rated load	350 /min	350 /min	350 /min
Maximum torque soft	75 Nm	75 Nm	75 Nm
Collar diameter	43 mm	43 mm	43 mm
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm	1.5 - 13 mm
Drill spindle thread	1/2" - 20 UNF	-	-
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight (without power cable)	2.6 kg	2.6 kg	2.6 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order number	600580 <sup>1) 2)</sup>	600585	600585
PowerX 3 high torque attachment with long handle			■
Geared chuck	■		
Geared quick change chuck		■	■
Quick-change system		■	■
Quick-change angle adapter		■	■
Chuck key	■	■	■
Long additional handle	■	■	■
MetaLoc case		■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

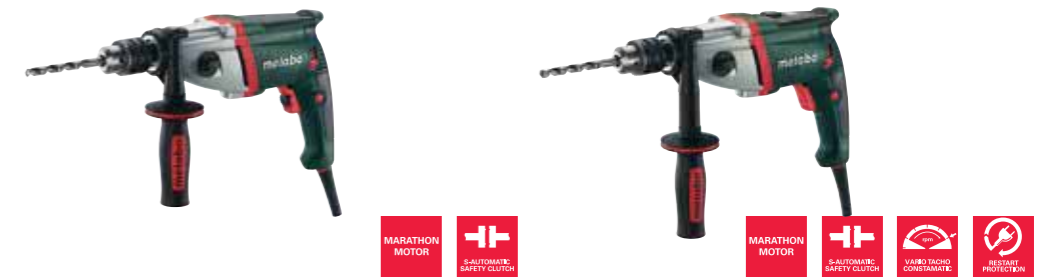
Product advantages

- Suitable for powerful drilling of larger diameters and for stirring thick liquid-like materials
- Suitable for drilling with large diameters and for heavy screw jointing in wood without pre-drilling
- Metabo »Quick« System: Quick change of tool holder and bits, ideal for fast and convenient change of applications
- The high torque attachment PowerX3 triples the power of the tool for extreme applications
- Suitable for drilling with large diameters and for heavy screw joints in wood without pre-drilling
- Metabo »Quick« System: Quick change of tool holder and bits, ideal for fast and convenient change of applications
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Forward and reverse rotation
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.

System components

Accessories ▶ 228, 233

Quick-System ▶ 18



Technical Data	Drill BE 751	Drill BE 1100
Rated input power	750 W	1,100 W
Output power	450 W	660 W
Drill diameter in		
- Steel	13 mm/8 mm	16 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm
No-load speed	0 - 1,000 / 0 - 3,100 /min	0 - 900 / 0 - 2,800 /min
Revolutions at rated load	600/1,800 /min	900/2,800 /min
Maximum torque soft	30 Nm/13 Nm	44 Nm/16 Nm
Collar diameter	43 mm	43 mm
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Drill spindle thread	1/2" - 20 UNF	1/2" - 20 UNF
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight (without power cable)	2.7 kg	2.9 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600581 <sup>1)</sup>	600582 <sup>1)</sup>
Geared chuck	■	■
Chuck key	■	■
Side handle	■	
Long side handle		■

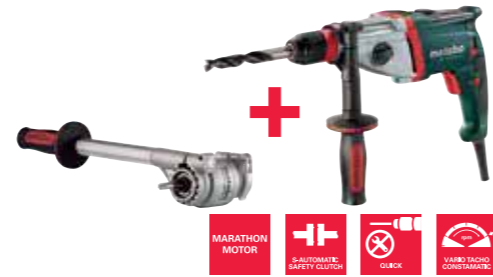
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Overload protection: protects the motor from overheating
- Restart protection: prevents unintentional start-up after power supply interruption
- Wear indication for carbon brushes
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Forward and reverse rotation
- Thumbwheel for speed preselection
- Two-speed gearbox
- Metabo Marathon motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- Spindle with hexagonal recess for screwdriver bits for working without chuck

System components

Accessories ▶ 228



Technical Data	Drill BE 1300 Quick	Drill BE 1300-X3 Quick
Rated input power	1,300 W	1,300 W
Output power	790 W	790 W
Drill diameter in		
- Steel	16 mm/8 mm	16 mm/8 mm
- Soft wood	40 mm/25 mm	40 mm/25 mm
No-load speed	0 - 1,000 / 0 - 3,100 /min	0 - 1,000 / 0 - 3,100 /min
Revolutions at rated load	1,000/3,100 /min	1,000/3,100 /min
Maximum torque soft	46 Nm/17 Nm	46 Nm/17 Nm
Collar diameter	43 mm	43 mm
Chuck capacity	1.5 - 13 mm	1.5 - 13 mm
Drill spindle with hexagonal recess	1/4" (6.35 mm)	1/4" (6.35 mm)
Weight (without power cable)	3 kg	3 kg
Cable length	4 m	4 m

#### Scope of delivery

Order number	600593	600593
PowerX 3 high torque attachment with long handle		■
Quick-change chuck	■	■
Quick-change system	■	■
Quick-change angle adapter	■	■
Long additional handle	■	■
MetaLoc case	■	■

#### Product advantages

- The high torque attachment PowerX3 triples the power of the tool for extreme applications
- Suitable for drilling with large diameters and for heavy screw joints in wood without pre-drilling
- Metabo »Quick« System: Quick change of tool holder and bits, ideal for fast and convenient change of applications
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Rotating carbon brush bridge for maximum performance even in anti-clockwise operation for the removal of stubborn screws
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Thumbwheel for speed preselection
- Two-speed gearbox
- Metabo Marathon motor with patented dust protection for long service life
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- Forward and reverse rotation
- Keyless chuck and spindle stop for convenient one-hand tool change
- Overload protection: protects the motor from overheating
- Restart protection: prevents unintentional start-up after power supply interruption
- Wear Indication for Carbon Brushes

#### System components

Accessories ▶ 228, 233

Quick-System ▶ 18



Technical Data	Drill BDE 1100
Rated input power	1,100 W
Output power	620 W
Drill diameter in	
- Steel	16 mm/10 mm
- Soft wood	40 mm/25 mm
No-load speed	0 - 640 / 0 - 1,200 /min
Revolutions at rated load	430/800 /min
Maximum torque soft	55 Nm/22 Nm
Collar diameter	43 mm
Chuck capacity	3 - 16 mm
Drill spindle thread	5/8" - 16 UN
Weight (without power cable)	4.3 kg
Cable length	4 m

#### Scope of delivery

Order number	600806 <sup>2)</sup>
Geared chuck	■
Chuck key	■
Long additional handle	■
Drilling depth guide	■

<sup>2)</sup> also available in 110 V (UK)

#### Product advantages

- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Two-speed gearbox
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- Forward and reverse rotation
- Suitable for powerful drilling of larger diameters and for stirring thick liquid-like materials
- Comfortable operation and safety through auxiliary handle

#### System components

Accessories ▶ 228



Technical data	Angle Drill WBE 700
Rated input power	700 W
Output power	305 W
Drill diameter in	
- Steel	10 mm
- Soft wood	25 mm
No-load speed	850 - 2,600 /min
Revolutions at rated load	2,300 /min
Maximum torque soft	8 Nm
Collar diameter	
Chuck capacity	1 - 10 mm
Drill spindle thread	1/2" - 20 UNF
Weight (without power cable)	2 kg
Cable length	4 m

#### Scope of delivery

Order number	600512
Geared chuck	■
Chuck key	■
Side handle	■

#### Product advantages

- Powerful angle drill for drilling and fixing screws in difficult to access areas
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario-Constamatic (VC)-Full wave electronics for working at customised speeds to suit the application materials, and speeds that remain almost constant even under load
- Thumbwheel for speed preselection



Technical Data	Drill B 32/3
Rated input power	1,800 W
Output power	1,200 W
Drill diameter in	
- Steel	32 mm
- Soft wood	70 mm
No-load speed	0 - 170 / 0 - 320 / 0 - 470 /min
Revolutions at rated load	110/190/280 /min
Maximum torque soft	190 Nm/120 Nm/90 Nm
Collar Diameter	65 mm
Drill spindle with inside taper	MK 3
Weight (without power cable)	7.8 kg
Cable length	5 m

Scope of delivery

Order number	600323
Chuck key	■
Long additional handle	■

Product advantages

- Powerful three-speed drill with extra high torque
- Core drilling up to Ø 100 mm combined with the magnetic drill stand M 100 (order no. 627100000)
- Robust mechanical gearbox with oil bath lubrication
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- For easy drilling of larger diameters and driving in of very long screws

System components

Accessories ▶ 232, 257



Technical Data	Cordless Magnetic Core Drill MAG 28 LTX 32
Type of battery pack	Li-Ion
Battery pack voltage	25.2 V
Max. drill diameter	
- With core drill	32 mm
- With spiral drill	13 mm
Maximum drilling depth	50 mm
Max. stroke	160 mm
Max. magnetic holding force	8,500 N
Dimensions of the magnet base	70 x 190 mm
No-load speed	380/680 /min
Bit retainer	Morse taper MK 2, Weldon shaft 19 mm (3/4")
Height when carriage in lowest/topmost position	455 mm / 615 mm
Weight (including battery pack)	14.5 kg

Scope of delivery

Order number	600334 <sup>1)</sup>
Industrial holder for Weldon shank 19 mm	■
HSS Core drill »rapid cut« (Ø 14 mm, Ø 18 mm, Ø 22 mm)	■
Ejector pin 77 mm	■
Geared chuck 13 mm with adapter MK2	■
Chuck key	■
MK 2 drift key	■
Safety strap	■
Allen key	■
Universal cutting paste	■
2 Li-Power battery packs (25.2 V/3.0 Ah)	■
Quick charger ASS 15 Plus »AIR COOLED«	■
Transport case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Large stroke, therefore suitable for use of core drills, spiral drills and countersinks.
- Highest safety at work thanks to permanent magnet, no accidental deactivation of the magnet is possible
- V Block Magnetic base, particularly suited for processing pipes from Ø 90 mm
- Adjustable magnetic holding force for easy positioning on vertical surfaces.
- Durable two-speed gearbox with oil bath lubrication for ideal speed selection
- Overload protection: protects the motor from overheating
- Spare battery pack always handy thanks to storage on drill stand

System components

Accessories ▶ 222

Battery packs ▶ 65



Technical Data	Magnetic Core Drill MAG 32
Rated input power	1,000 W
Output power	520 W
Max. drill diameter	
- With core drill	32 mm
- With spiral drill	13 mm
Maximum drilling depth	50 mm
Thread cutting	-
No-load speed	700 /min
Revolutions at rated load	450 /min
Bit retainer	Weldon shaft 19 mm (3/4")
Weight	11.9 kg
Cable length	5 m
Max. stroke	160 mm
Max. magnetic holding force	12,250 N
Dimensions of the magnet base	90 x 189 mm
Height when carriage in lowest/topmost position	343 mm / 490 mm

Scope of delivery

Order number	600635 <sup>1)</sup>
Industrial holder for Weldon shank 19 mm	■
Ejector pins 75 and 100 mm	■
Ejector pin 75 mm	■
MK 2 drift key	■
Safety strap	■
Allen key	■
Swarf protection guard	■
Transport case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Large stroke, therefore suitable for use of core drills, spiral drills and countersinks.
- Robust Metabo marathon motor with internal wiring for long service life
- Bright LED light for easy alignment in poor light conditions
- Swarf protection can be fixed without tools and protects the user from metal shavings and tool contact
- Protective circuit starts motor only if the magnet is activated
- Restart protection: prevents unintentional start-up after power supply interruption
- Lockable slide for comfortable tool change

System components

Accessories ▶ 222



Technical Data	Magnetic Core Drill MAG 50
Rated input power	1,200 W
Output power	620 W
Max. drill diameter	
- With core drill	50 mm
- With spiral drill	20 mm
Maximum drilling depth	50 mm
Thread cutting	M 16
No-load speed	100 - 250 / 200 - 450 /min
Revolutions at rated load	250/450 /min
Bit retainer	Morse taper MK 2, Weldon shaft 19 mm (3/4")
Weight	12.7 kg
Cable length	5 m
Max. stroke	160 mm
Max. magnetic holding force	12,250 N
Dimensions of the magnet base	90 x 190 mm
Height when carriage in lowest/topmost position	457 mm / 610 mm

Order number	600636 <sup>1)</sup>
Industrial holder for Weldon shank 19 mm	■
Ejector pins 75 and 100 mm	■
Ejector pin 75 mm	■
MK 2 drift key	■
Safety strap	■
Allen key	■
Swarf protection guard	■
Transport case	■

<sup>1)</sup> also available in 120 V (North/Latin America)






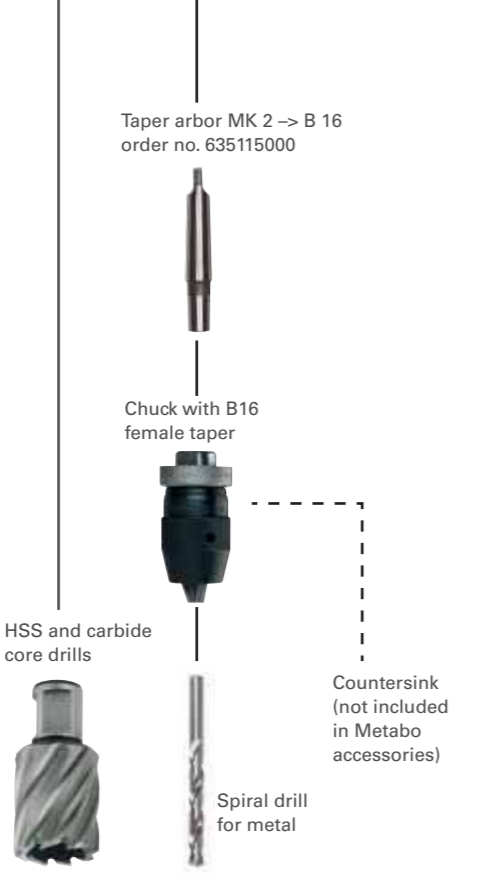
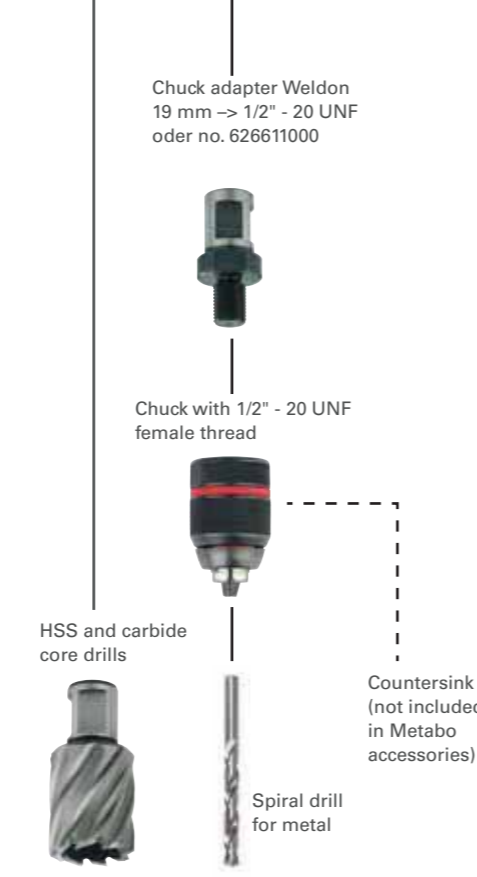
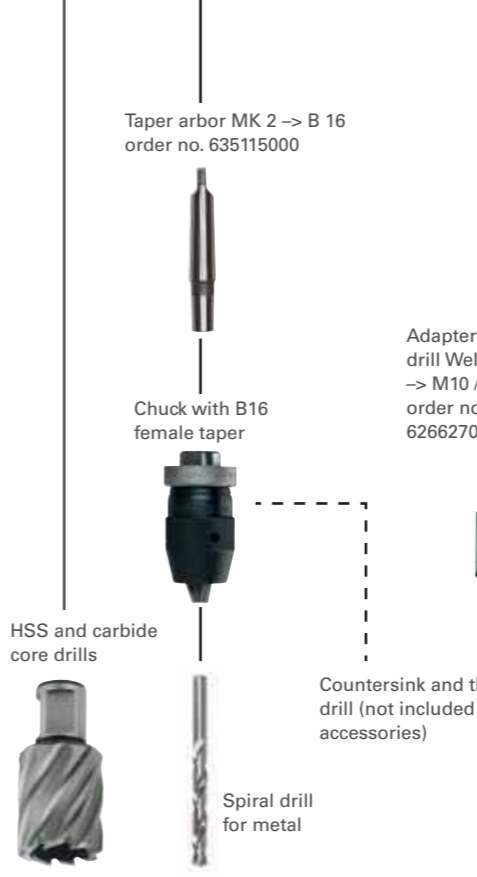
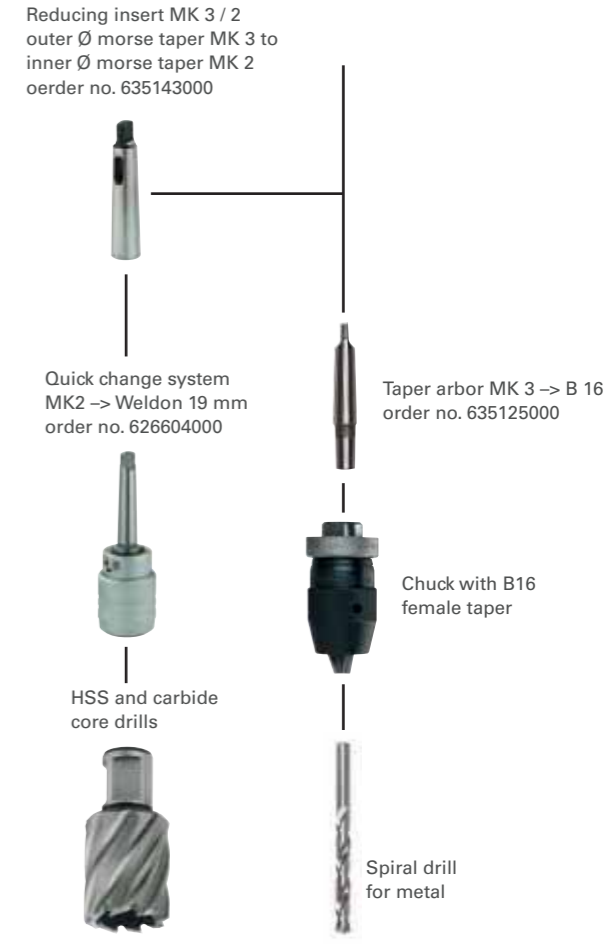
Product advantages

- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Clockwise/anti-clockwise rotation with thread cutter
- Durable two-speed gearbox with oil bath lubrication for ideal speed selection
- Overload protection: protects the motor from overheating

System components

Accessories ▶ 222

# WHICH MAGNETIC CORE DRILL FOR WHICH APPLICATION?

					 + 
<b>Bit retainer</b>	MAG 28 LTX 32	MAG 32		MAG 50	B 32/3      M100
Weldon direct chuck 19 mm (3/4") with automatic internal cooling	•	•		•	
MK 2 chuck	•			•	
MK 3 chuck					•
<b>Application</b>					
Drilling with core drills	■■■	■■■		■■■	■■■
Drilling with spiral drills	■■■	■■■		■■■	■■■
Working with countersinks	■	■		■■■	■
Threaded drill	-	-		■■■	-
					

Application: ■ suitable   ■■ very suitable   ■■■ optimum   Equipment: ● present   ○ optional

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Core Drills and Centring Pins

HSS core drills, short



- With Weldon shank 19 mm (3/4")
- Insert only with suitable centring pin
- Suitable for steel, cast steel, coloured and light metals

Diameter mm	Overall length mm	Working length mm	Order number
12	64	30	626500000*
13	64	30	626501000*
14	64	30	626502000*
15	64	30	626503000*
16	64	30	626504000*
17	64	30	626505000*
18	64	30	626506000*
19	64	30	626507000*
20	64	30	626508000*
21	64	30	626509000*
22	64	30	626510000*
23	64	30	626511000*
24	64	30	626512000*
25	64	30	626513000*
26	64	30	626514000*
27	64	30	626515000*
28	64	30	626516000*
29	64	30	626517000*
30	64	30	626518000*
31	64	30	626519000*
32	64	30	626520000*

HSS core drills, long



- With Weldon shank 19 mm (3/4")
- Insert only with suitable centring pin
- Suitable for steel, cast steel, coloured and light metals

Diameter mm	Overall length mm	Working length mm	Order number
12	90	55	626521000*
13	90	55	626522000*
14	90	55	626523000*
15	90	55	626524000*
16	90	55	626525000*
17	90	55	626526000*
18	90	55	626527000*
19	90	55	626528000*
20	90	55	626529000*
21	90	55	626530000*
22	90	55	626531000*
23	90	55	626532000*
24	90	55	626533000*
25	90	55	626534000*
26	90	55	626535000*
27	90	55	626536000*
28	90	55	626537000*
29	90	55	626538000*
30	90	55	626539000*
31	90	55	626540000*
32	90	55	626541000*









Carbide core drills











- Core drill Ø 14 - 60 mm with Weldon shank 19 mm (3/4")
- Core drill as of Ø 70 mm with Weldon shank 32 mm (1 1/4")
- Insert only with suitable centring pin
- Also suitable for higher alloyed steels

Diameter mm	Overall length mm	Working length mm	Order number
14	90	55	626571000*
15	90	55	626572000*
16	90	55	626573000*
17	90	55	626574000*
18	90	55	626575000*
19	90	55	626576000*
20	90	55	626577000*
21	90	55	626578000*
22	90	55	626579000*
23	90	55	626580000*
24	90	55	626581000*
25	90	55	626582000*
26	90	55	626583000*
27	90	55	626584000*
28	90	55	626585000*
29	90	55	626586000*
30	90	55	626587000*
31	90	55	626588000*
32	90	55	626589000*
33	90	55	626590000*
34	90	55	626591000*
35	90	55	626592000*
36	90	55	626593000*
37	90	55	626594000*
38	90	55	626595000*
39	90	55	626596000*
40	90	55	626597000*
45	90	55	626598000*
50	90	55	626599000*
60	90	55	626614000*
70	90	55	626616000*
80	90	55	626618000*
90	90	55	626620000*
100	90	55	626622000*

\*Self-service packaging

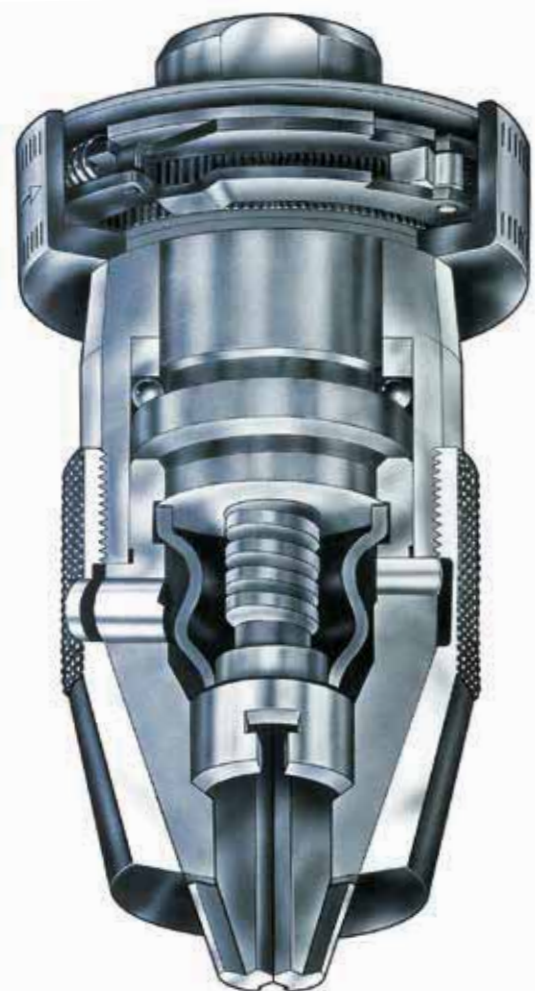
Core drill bit assortment		Order number
	<b>HSS core drill set 3 pieces</b> Core bits Ø 14/18/22 mm 30 mm working length, Weldon shank 19 mm (3/4") including centring pin	626623000
	<b>HSS core drill set 6 pieces</b> Core bits Ø 14/16/18/20/22/26 mm 30 mm working length, Weldon shank 19 mm (3/4") including centring pin	626624000
Centring pins		Order number
	<b>Centring pin for HSS short</b> For HSS core drills with a 30 mm working length Diameter: 6.35 mm Overall length: 75 mm	626608000*
	<b>Centring pin for HSS long and carbide</b> For HSS core drills with a 55 mm working length For carbide core drills up to Ø 60 mm Diameter: 6.35 mm Overall length: 100 mm	626609000*
	<b>Centring pin for carbide</b> For carbide core drills Ø 70-100 mm Ø Diameter: 8 mm Overall length: 120 mm	626610000*
Industrial holder		Order number
	<b>Industrial chuck MK2</b> With automatic interior cooling For the MAG 50 For the B 32/3 only in conjunction with the reducing sleeve MK 3 / MK 2 (635143000) Drill spindle holder: Morse arbor MK 2 Tool holder: Weldon shaft 19 mm (3/4")	626602000
	<b>Industrial chuck MK3</b> With manual interior cooling For the B 32/3 and carbide core drill Ø 70-100 mm Drill spindle holder: Morse arbor MK 3 Tool holder: Weldon shaft 32 mm (1 1/4")	626603000
	<b>Quick change system</b> Simple and fast change of core drill without additional tools With automatic interior cooling For the MAG 50 For the B 32/3 only in conjunction with the reducing sleeve MK 3 / MK 2 (635143000) Drill spindle holder: Morse arbor MK 2 Tool holder: Weldon shaft 19 mm (3/4")	626604000

Adapter		Order number
	<b>Adapter for Weldon to Fine QuickIN</b> Incl. centring pin (overall length: 120 mm; Ø 6.35 mm) Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: Fine QuickIN	626600000
	<b>Chuck adapter</b> Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: 1/2" - 20 UNF	626611000*
	<b>Adapter for thread drill M10</b> For thread drill in accordance with DIN 376 Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: shaft Ø 7 mm / square 5.5 mm	626625000*
	<b>Adapter for thread drill M12</b> For thread drill in accordance with DIN 376 Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: shaft Ø 9 mm / square 7 mm	626626000*
	<b>Adapter for thread drill M16</b> For thread drill in accordance with DIN 376 Drill spindle holder: Weldon shaft 19 mm (3/4") Tool holder: shaft Ø 12 mm / square 9 mm	626627000*
Other accessories		Order number
	<b>Universal cutting paste</b> <ul style="list-style-type: none"> <li>■ Increase of durability with tools, for example, core drills, magnetic drills, BiM hole saws, routers or saw blades</li> <li>■ Greater cutting speeds thanks to optimum cooling properties</li> <li>■ Core drilling: use of cutting paste with overhead work, in horizontal position of MAG or when using the B 32/3 without automatic interior cooling</li> </ul>	626605000*
	<b>Universal cutting spray</b> <ul style="list-style-type: none"> <li>■ Increase of durability with tools, for example, core drills, magnetic drills, BiM hole saws, routers or saw blades</li> <li>■ Greater cutting speeds thanks to optimum cooling properties</li> <li>■ Biologically degradable</li> <li>■ Core drilling: use of cutting spray with overhead work, in horizontal position of MAG or when using the B 32/3 without automatic interior cooling</li> </ul>	626606000
	<b>Chuck holder for MAG 832</b>	630051000

\*Self-service packaging

# CHUCKS: PRECISION PARTS AND A LONG SERVICE LIFE.

Simple handling, secure fit and long service life are the quality factors of a quality chuck. The Metabo Futuro Top chucks have a spring-loaded bit clamping mechanism for precise fit, and the hardened and ground components (clamping jaws, guide sleeve and the chuck body) of the chuck ensure a long service life and precise working.



## Metabo Futuro Top keyless chuck

### Spring-loaded safety feature

To ensure secure grip of the drill bit, even under the toughest possible continuous operating conditions of 62,000 strokes/min.

### Dual dust protection

Any dust that gets between the jaw guide and the rubber bellow is ejected through the openings in the chuck sleeve.

A hard-wearing, oil-resistant rubber bellows system protects the thread and the precision press fit from contamination.

### Precise fitting parts and a long service life

All of the heavily used parts of the chuck are hardened. The clamping jaws, the guide sleeves and the chuck body have a ground finish.



### Easy to use

The chuck can be opened easily and conveniently even after it has been used for tough drilling or impact drilling jobs.



### Guarantee for optimal quality


The individual parts of the chucks pass through in excess of 30 inspection points during the course of manufacture.



After assembly, each chuck is checked thoroughly for concentric operation and functional safety.

## Chucks

### Quick-action chuck, impact-proof

	Clamping width mm	Female thread	Exterior Ø mm	Length (closed) mm	Weight kg	Order number
						
<b>Futuro Top keyless chuck, R</b>						
<ul style="list-style-type: none"> <li>■ The first impact-proof keyless chuck, with integrated spring-loaded bit clamping mechanism and dual dust protection</li> <li>■ Keyless for quick tool change</li> <li>■ Firm grip of clamped tools even under the toughest loads</li> <li>■ The oil-resistant, hard-wearing rubber bellows system protects the thread and the precision press fit from dust and dirt</li> <li>■ For clockwise rotating drills only</li> </ul>						
	1 - 10	3/8"-24 UNF	42.8	77	0.35	636215000
	1 - 10	1/2"-20 UNF	42.8	77	0.35	636216000
	1 - 10	B12	42.8	77	0.35	636217000
	1 - 13	3/8"-24 UNF	42.8	89	0.5	636225000
	1 - 13	1/2"-20 UNF	42.8	89	0.5	636226000
	1 - 13	B16	42.8	103	0.6	636227000
	3 - 16	5/8" - 16 UN	50	113	1	636241000
	3 - 16	B16	50	113	1	636242000
	3 - 16	B18	50	113	1	636243000
	1 - 10	1/2"-20 UNF	42.8	77	0.35	636601000*
	1 - 13	1/2"-20 UNF	42.8	89	0.5	636602000*



### Keyless chuck Futuro Plus S1 M, clockwise + anticlockwise rotation

- Special design for impact drills with spindle stop
- Sturdy design with metal sleeve
- Single sleeve (without supporting ring)
- Keyless for quick tool change
- Impact-proof design
- Drills through using locking screw for clockwise and anti-clockwise operating machines
- With spanner flat for assembly and disassembly



	1.5 - 13	1/2"-20 UNF	42.9	72.4	0.3	636621000*
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### Chuck display

- Contents: 6 pieces Futuro Plus S1M (636621000) 13mm, 1/2" in counter display

636625000\*



### Keyless chuck Futuro Plus S1, R + L

- Specially developed for lightweight impact drills with spindle stop
- Plastic sleeve
- Single sleeve (without supporting ring)
- Keyless for quick tool change
- Impact-proof design
- Drills through using locking screw for clockwise and anti-clockwise operating machines
- With spanner flat for assembly and disassembly

	1 - 10	3/8"-24 UNF	42.7	61	0.2	636615000*
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	1 - 10	1/2"-20 UNF	42.7	61	0.2	636616000*
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	1.5 - 13	1/2"-20 UNF	42.7	72.4	0.2	636617000*
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### Keyless chuck Futuro Plus S2 M, R + L

- Specially developed for impact drills
- Sturdy design with metal sleeve. Version 636619000 with hardened carbide jaws
- Double sleeve with radial locking for secure tool clamping
- Keyless for quick tool change
- Impact-proof design
- Drills through using locking screw for clockwise and anti-clockwise operating machines
- With spanner flat for assembly and disassembly



	1.5 - 13	1/2"-20 UNF	42.9	72.4	0.3	636620000*
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	1.5 - 13	1/2"-20 UNF	42.9	72.4	0.3	636619000*
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						636624000*
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### Chuck display


- Contents: 6 pieces Futuro Plus S2M (636620000) 13mm, 1/2" in counter display

\*Self-service packaging

Clamping width mm	Female thread	Exterior Ø mm	Length (closed) mm	Weight kg	Order number
 <p><b>Keyless chuck Futuro Plus S2, R + L</b></p> <ul style="list-style-type: none"> <li>■ Specially developed for lightweight impact drills</li> <li>■ Plastic sleeve</li> <li>■ Double sleeve with radial locking for secure tool clamping</li> <li>■ Keyless for quick tool change</li> <li>■ Impact-proof design</li> <li>■ Drills through using locking screw for clockwise and anti-clockwise operating machines</li> <li>■ With spanner flat for assembly and disassembly</li> </ul>					
1 - 10	3/8"-24 UNF	42.8	61	0.2	636612000*
1 - 10	1/2"-20 UNF	42.8	61	0.2	636613000*
1.5 - 13	1/2"-20 UNF	42.8	72.4	0.2	636614000*

**Quick-action chuck, not impact-proof**


Clamping width mm	Female thread	Exterior Ø mm	Length (closed) mm	Weight kg	Order number
 <p><b>Futuro R keyless chuck</b></p> <ul style="list-style-type: none"> <li>■ Keyless clamping of insertion tools to hand-held and fixed drilling machines</li> <li>■ The chuck readjusts its tension to match the increasing cutting pressure on the cutting bit</li> <li>■ The chuck can be opened easily by hand even after the toughest drilling jobs</li> <li>■ For maximum load</li> <li>■ For clockwise rotating drills only</li> <li>■ Not impact-proof</li> </ul>					
1 - 10	3/8"-24 UNF	37.5	77	0.35	636321000
1 - 10	1/2"-20 UNF	37.5	77	0.35	636322000
1 - 10	B12	37.5	77	0.35	636323000
1 - 10	B16	40.5	103	0.6	636333000
1 - 13	3/8"-24 UNF	40.5	89	0.6	636341000
1 - 13	1/2"-20 UNF	40.5	89	0.6	636342000
1 - 13	B16	40.5	103	0.6	636343000
1 - 13	1/2"-20 UNF	47.5	111	0.8	636351000
1 - 13	B16	47.5	111	0.8	636353000
1 - 13	J6	47.5	111	0.8	636356000
3 - 16	5/8" - 16 UN	50	113	1	636361000
3 - 16	B16	50	113	1	636362000
3 - 16	B18	50	113	1	636363000
3 - 16	J6	50	113	1	636364000

 <p><b>Keyless chuck Futuro Plus H2, R + L</b></p> <ul style="list-style-type: none"> <li>■ Specially developed for cordless and lightweight drills</li> <li>■ Plastic sleeve</li> <li>■ Double sleeve with supporting ring for firm grip of tools</li> <li>■ Keyless for quick tool change</li> <li>■ Not impact-proof</li> <li>■ Drills through using locking screw for clockwise and anti-clockwise operating machines</li> <li>■ With spanner flat for assembly and disassembly</li> </ul>					
1 - 10	3/8"-24 UNF	42.7	61	0.2	636518000*
1 - 10	1/2"-20 UNF	42.7	61	0.2	636519000*
1.5 - 13	1/2"-20 UNF	42.7	72.4	0.2	636520000*

**Guide for chuck designations:**


B = conical  
 J = Jakobs  
 S = impact-proof  
 1 or 2 = number of sleeves


M = metal version  
 R = for clockwise rotation  
 R+L = for clockwise and anticlockwise rotation

Clamping width mm	Female thread	Exterior Ø mm	Length (closed) mm	Weight kg	Order number
 <p><b>Keyless chuck Futuro Plus H1, R + L</b></p> <ul style="list-style-type: none"> <li>■ Special design for drills with spindle stop</li> <li>■ Plastic sleeve</li> <li>■ Single sleeve without supporting ring</li> <li>■ Keyless for quick tool change</li> <li>■ Not impact-proof</li> <li>■ Drills through using locking screw for clockwise and anti-clockwise operating machines</li> <li>■ With spanner flat for assembly and disassembly</li> </ul>					
1 - 10	1/2"-20 UNF	40	65	0.15	636219000*
1 - 10	3/8"-24 UNF	42.7	61	0.2	636515000*
1 - 10	1/2"-20 UNF	42.7	61	0.2	636516000*
1.5 - 13	1/2"-20 UNF	42.7	72.4	0.2	636517000*

 <p><b>Keyless chuck Futuro Plus H1 M, R+L</b></p> <ul style="list-style-type: none"> <li>■ Special design for drills with spindle stop</li> <li>■ Single sleeve (without supporting ring)</li> <li>■ Keyless for quick tool change</li> <li>■ Not impact-proof</li> <li>■ With spanner flat for assembly and disassembly</li> </ul>					
0.8 - 6.5	1/2"-20 UNF	34	57	0.14	636623000*

**Geared chuck, impact-proof**

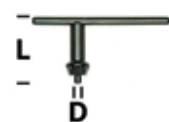
Clamping Width mm	Female thread	Exterior Ø mm	Length (closed) mm	Weight kg	Key size	Order number
 <p><b>Geared chuck with key, clockwise rotation</b></p> <ul style="list-style-type: none"> <li>■ Tried and tested 1000 times</li> <li>■ The chuck for every type of job</li> <li>■ With female thread or female taper for hand-held or fixed drills as well as for hand-held impact drills</li> <li>■ The clamping force remains constant during drilling and impact drilling</li> <li>■ For clockwise rotating drills only</li> </ul>						
0.5 - 6.5	3/8"-24 UNF	30	53	0.17	1	635008000
1 - 10	3/8"-24 UNF	33.3	61	0.21	2	635019000
1 - 10	1/2"-20 UNF	33.3	61	0.2	2	635072000
1.5 - 13	3/8"-24 UNF	42.5	74	0.32	2	635033000
1.5 - 13	1/2"-20 UNF	42.5	74	0.31	2	635035000
1.5 - 13	1/2"-20 UNF	42.5	74	0.31	2	635302000*
1.5 - 13	B16	42.5	78	0.35	2	635036000
3 - 16	1/2"-20 UNF	50	87.5	0.6	3	635054000
3 - 16	5/8" - 16 UN	50	87.5	0.59	3	635056000
3 - 16	B16	50	86	0.64	3	635050000
3 - 16	B18	50	94.5	0.63	3	635049000
5 - 20	B22	65	113	0.75	4	635058000

 <p><b>Geared chuck with key, R + L</b></p> <ul style="list-style-type: none"> <li>■ Tried and tested 1000 times</li> <li>■ The chuck for every type of job</li> <li>■ With female thread or female taper for hand-held or fixed drills as well as for hand-held impact drills</li> <li>■ The clamping force remains constant during drilling and impact drilling</li> <li>■ Drills through using locking screw for clockwise and anti-clockwise operating machines</li> </ul>						
1 - 10	3/8"-24 UNF	33.3	61	0.17	2	635254000
1 - 10	1/2"-20 UNF	33.3	61	0.17	2	635252000
1.5 - 13	3/8"-24 UNF	42.5	74	0.31	2	635255000
1.5 - 13	1/2"-20 UNF	42.5	74	0.31	2	635250000
3 - 16	5/8" - 16 UN	50	87.5	0.6	2	635253000
1.5 - 13	1/2"-20 UNF	42.5	74	0.32	2	635304000*

\*Self-service packaging

Chuck Accessories

Spare chuck keys



- Gears according to DIN
- For all geared chucks

Key size	Spigot Ø D mm	Shaft length L mm	Order number
1	4	30	635165000
2	6	42	635177000
3	8	50	635168000
4	9	55	635169000
2	6	42	635167000*

Taper arbors for chucks



- Hardened and ground
- For chuck with female taper
- According to DIN 238

Exterior Morse taper Ø	Chuck	Overall taper arbor length mm	Weight kg	Order number
MK 1	B 12	89	0,065	635104000
MK 1	B 16	97	0.09	635105000
MK 2	B 12	106.5	0,135	635114000
MK 2	B 16	110.5	0.16	635115000
MK 2	B 18	117.5	0.18	635116000
MK 3	B 16	134	0.31	635125000
MK 3	B 18	141	0.32	635126000
MK 3	B 22	147	0.39	635128000
MK 4	B 16	159	0,625	635132000
MK 4	B 18	168	0.66	635133000

Reducing inserts



- Standard type
- Similar to DIN 2185
- Ground male taper

Exterior Morse taper Ø	Inner Morse taper Ø	Overall length mm	Weight kg	Order number
MK 3	MK 2	112	0.19	635143000
MK 4	MK 2	124	0.48	635144000
MK 4	MK 3	140	0.36	635146000

Drift Keys

Suitable for machine with Morse taper	Overall length mm	Weight kg	Order number
MK 1, MK 2	140	0.07	642395000
MK 3	190	0.15	642396000

Accessories for »Quick« Drills and Drills/Screwdrivers

	Order number
 <p><b>PowerX3 torque attachment</b></p> <ul style="list-style-type: none"> <li>■ The torque attachment enables the power of the tool (torque) to be tripled to handle tough jobs</li> <li>■ Suitable for all Metabo cordless drills/screwdrivers, cordless impact drills and drills with Metabo »Quick«-quick change system in combination with 43 mm collet</li> <li>■ Standard equipment incl. bit (1 x TX 50) and intermediate piece for adjusting the handle length</li> <li>■ Bit retainer with 1/2" male square and 1/4" (6.35 mm) female hexagon socket</li> </ul> <p>Attention: Use the PowerX3 in conjunction with the following tools only and using the stipulated length of the handle depending on the torque: all cordless drill/screwdrivers and LTX »Quick« impact drills as well as BE 75 Quick drill: 640 mm handle length; BE 1300 Quick drill: 380 mm handle length.</p>	627256000
 <p><b>Quick change geared chuck »Quick«</b></p> <ul style="list-style-type: none"> <li>■ Simple, fast and convenient chuck change thanks to the Metabo Quick change system</li> <li>■ Impact-proof version; suitable for clockwise and anti-clockwise rotation</li> <li>■ Maximum opening: 1.5 - 13 mm</li> <li>■ Suitable for all Metabo »Quick« machines</li> </ul>	627238000*
 <p><b>Quick change chuck Futuro Plus S 1 M, »Quick«</b></p> <ul style="list-style-type: none"> <li>■ Simple, fast and convenient chuck change thanks to the Metabo Quick change system</li> <li>■ Stable model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation</li> <li>■ Maximum opening: 1.5 - 13 mm</li> <li>■ Suitable for all Metabo »Quick« machines</li> </ul>	627240000*
 <p><b>Quick change chuck Futuro Plus H 1 R+L, »Quick«</b></p> <ul style="list-style-type: none"> <li>■ Simple, fast and convenient chuck change thanks to the Metabo Quick change system</li> <li>■ Model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation</li> <li>■ Maximum opening: 1.0 - 10 mm</li> <li>■ Suitable for all Metabo »Quick« machines</li> </ul>	627259000*
 <p><b>NEW</b> <b>Quick change threaded chuck Futuro Plus H 1 R+L, »Quick«</b></p> <ul style="list-style-type: none"> <li>■ Keyless chuck inserting taps with square and cylindrical shanks</li> <li>■ Simple, fast and convenient chuck change thanks to the Metabo Quick change system</li> <li>■ Model with metal sleeve; 1 sleeve; impact-resistant model; suitable for clockwise and anti-clockwise rotation</li> <li>■ Clamping width: 1.5-13 mm; drill chuck with square holder, side wall 6.3 mm/ 8.1 mm</li> <li>■ Suitable for taps up to size M12</li> <li>■ Suitable for all Metabo »Quick« machines</li> </ul>	627237000*
 <p><b>Quick change bit holder »Quick«</b></p> <ul style="list-style-type: none"> <li>■ Simple, fast and convenient change of the bit holder thanks to the Metabo Quick change system</li> <li>■ Chuck suitable for bits with 1/4" external hexagonal drive according to DIN 3126- C 6.3 and E 6.3</li> <li>■ Suitable for all Metabo »Quick« machines</li> </ul>	627241000*
 <p><b>Quick change angle adapter »Quick«</b></p> <ul style="list-style-type: none"> <li>■ Quick and comfortable fixing of angle adapter without tools</li> <li>■ Quick spindle for fixing the quick change angle adapter 627240000 and bit holder 627241000</li> <li>■ Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>■ Suitable for forward and reverse rotation</li> <li>■ Suitable for cordless machines up to a maximum of 110 Nm</li> <li>■ Suitable for all Metabo »Quick« machines with collet Ø 43 mm</li> </ul>	627242000*
 <p><b>Quick change angle adapter »Quick«</b></p> <ul style="list-style-type: none"> <li>■ Quick and comfortable fixing of angle adapter without tools</li> <li>■ Quick spindle for fixing the quick change angle adapter 627240000 and bit holder 627241000</li> <li>■ Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>■ Suitable for forward and reverse rotation</li> <li>■ Suitable for cordless machines up to a maximum of 100 Nm</li> <li>■ Suitable for all Metabo LT »Quick« models (from year of construction 02/2013)</li> </ul>	627077000*
 <p><b>Quick change angle adapter »Quick«</b></p> <ul style="list-style-type: none"> <li>■ For drilling and fixing screws in hard to reach places</li> <li>■ Magnetic bit holder with 1/4" (6.35 mm) hexagonal shank</li> <li>■ Gears made of special steel</li> <li>■ Suitable for forward and reverse rotation; up to max. 28 Nm</li> <li>■ Especially for PowerMaxx BS Quick and BS 18 Quick</li> </ul>	627261000*

\*Self-service packaging

# METAL DRILL BITS



## HSS-R Metal Drill Bits, DIN 338, roll-milled

Spiral drill bit made of high-grade high-speed steel according to DIN 338, roll-milled, cylindrical, right-hand cutting, type N, black surface

**Application:**

Suitable for drilling in the common metals such as steel, non-ferrous metals, alloyed and non-alloyed cast steel. Up to 900 N/mm<sup>2</sup> tensile strength.

## HSS-G metal drill bits, DIN 338, ground

Precision spiral drill bit made of high-grade high-speed steel according to DIN 338, precision ground, cylindrical, right-hand cutting, type N, crosswise grinding 135° according to DIN 1412 C (from 3 mm), polished surface

**Application:**

For maximum load and precision in crafts and industry. For drilling in steel and cast steel, alloyed and unalloyed, grey cast iron, sintered iron, nickel silver, graphite etc. Up to 900 N/mm<sup>2</sup> tensile strength.

## HSS-Co metal drill bits, DIN 338, ground

Precision spiral drill bit made of cobalt-alloyed high-grade high-speed steel according to DIN 338, precision-ground, cylindrical, type N, reinforced core thickness, with crosswise grinding 135° (from 2 mm) according to DIN 1412 C, bronze surface

**Application:**

For maximum load and precision in crafts and industry. For drilling hard-to-machine materials such as heat, corrosion and acid resistant steels, VA steel, special alloys, welded seams, CrNi-steels. Up to 1100 N/mm<sup>2</sup> tensile strength.

## HSS-TiN metal drill bits, DIN 338, ground

Precision spiral drill made of titanium coated high-grade high-speed steel according to DIN 338, precision ground, cylindrical, right-hand cutting, type N, crosswise ground 135° (from 3 mm upwards) to DIN 1412 C, gold colour surface finish.

**Application:**

For maximum load and precision in crafts and industry. For drilling steel and cast-steel, alloyed and non-alloyed, grey cast iron, annealed cast-iron, nickel silver, graphite, bronze and brass (not suitable for aluminium). Up to 900 N/mm<sup>2</sup> tensile strength. HSS-TiN-Bohrer are not suitable for processing aluminium.

# Metal Drill Bits

## HSS-R metal drill bits, DIN 338, roll-milled



- Spiral drill bit made of high-grade high-speed steel according to DIN 338, roll-milled, cylindrical, right-hand cutting, type N
- Cone-shaped shell polished surface 118°, diameter tolerance h8
- Black surface
- Suitable for drilling in steel, non-ferrous metals, alloyed and non-alloyed cast steel. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
1	34	12	10	627700000
1.1	36	14	10	627701000
1.2	38	16	10	627702000
1.3	38	16	10	627703000
1.4	40	18	10	627704000
1.5	40	18	10	627705000
1.6	43	20	10	627706000
1.7	43	20	10	627707000
1.8	46	22	10	627708000
1.9	46	22	10	627709000
2	49	24	10	627710000
2.1	49	24	10	627711000
2.2	53	27	10	627712000
2.3	53	27	10	627713000
2.4	57	30	10	627714000
2.5	57	30	10	627715000
2.6	57	30	10	627716000
2.7	61	33	10	627717000
2.8	61	33	10	627718000
2.9	61	33	10	627719000
3	61	33	10	627720000
3.1	65	36	10	627721000
3.2	65	36	10	627722000
3.3	65	36	10	627723000
3.4	70	39	10	627724000
3.5	70	39	10	627725000
3.6	70	39	10	627726000
3.7	70	39	10	627727000
3.8	75	43	10	627728000
3.9	75	43	10	627729000
4	75	43	10	627730000
4.1	75	43	10	627731000
4.2	75	43	10	627732000
4.3	80	47	10	627733000
4.4	80	47	10	627734000
4.5	80	47	10	627735000
4.6	80	47	10	627736000
4.7	80	47	10	627737000
4.8	86	52	10	627738000
4.9	86	52	10	627739000
5	86	52	10	627740000
5.1	86	52	10	627741000
5.2	86	52	10	627742000
5.3	93	57	10	627743000
5.4	93	57	10	627744000
5.5	93	57	10	627745000
5.6	93	57	10	627746000
5.7	93	57	10	627747000
5.8	93	57	10	627748000
5.9	93	57	10	627749000
6	93	57	10	627750000
6.1	101	63	10	627751000

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
6.2	101	63	10	627752000
6.3	101	63	10	627753000
6.4	101	63	10	627754000
6.5	101	63	10	627755000
6.6	101	63	10	627756000
6.7	101	63	10	627757000
6.8	109	69	10	627758000
6.9	109	69	10	627759000
7	109	69	10	627760000
7.1	109	69	10	627761000
7.2	109	69	10	627762000
7.3	109	69	10	627763000
7.4	109	69	10	627764000
7.5	109	69	10	627765000
7.6	117	75	10	627766000
7.7	117	75	10	627767000
7.8	117	75	10	627768000
7.9	117	75	10	627769000
8	117	75	10	627770000
8.1	117	75	10	627771000
8.2	117	75	10	627772000
8.3	117	75	10	627773000
8.4	117	75	10	627774000
8.5	117	75	10	627775000
8.6	125	81	10	627776000
8.7	125	81	10	627777000
8.8	125	81	10	627778000
8.9	125	81	10	627779000
9	125	81	10	627780000
9.1	125	81	10	627781000
9.2	125	81	10	627782000
9.3	125	81	10	627783000
9.4	125	81	10	627784000
9.5	125	81	10	627785000
9.6	133	87	10	627786000
9.7	133	87	10	627787000
9.8	133	87	10	627788000
9.9	133	87	10	627789000
10	133	87	10	627790000
10.2	133	87	5	627792000
10.5	133	87	5	627795000
11	142	94	5	627800000
11.5	142	94	5	627805000
12	151	101	5	627810000
12.5	151	101	5	627815000
13	151	101	5	627820000

Metal drill bits HSS-R, DIN 338, with offset shank



- Spiral drill bit made of high-grade high-speed steel according to DIN 338, roll-milled, cylindrical, right-hand cutting, type N
- Cone-shaped shell polished surface 118°, diameter tolerance h8
- Black surface
- Suitable for drilling in steel, non-ferrous metals, alloyed and non-alloyed cast steel. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter mm	Overall length mm	Working length mm	Shaft Ø mm	Sales unit	Order number
13.5	160	108	10	1	625006000*
14	160	108	10	1	625007000*
15	169	114	10	1	625009000*
16	178	120	10	1	625011000*
17	184	125	13	1	625013000*
18	191	130	13	1	625015000*
19	198	135	13	1	625017000*
20	205	140	13	1	625019000*

HSS-G metal drill bits, DIN 338, ground



- Precision spiral drill bit made of high-grade high-speed steel according to DIN 338, precision ground, cylindrical, right-hand cutting, type N, crosswise grinding 135° according to DIN 1412 C (from 3 mm), diameter tolerance h8
- Bare surface
- For highest demands and precision in industry and crafts.
- For drilling steels, cast steel, alloyed and unalloyed, grey cast iron, tempered cast iron, ductile cast iron, sintered iron, nickel silver, graphite, NF metals, plastic. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
1	34	12	10	627852000
1.5	40	18	10	627857000
2	49	24	10	627862000
2.5	57	30	10	627867000
3	61	33	10	627872000
3.2	65	36	10	627874000
3.3	65	36	10	627875000
3.5	70	39	10	627877000
4	75	43	10	627882000
4.1	75	43	10	627883000
4.2	75	43	10	627884000
4.5	80	47	10	627887000
4.8	86	52	10	627890000
5	86	52	10	627892000
5.1	86	52	10	627893000
5.2	86	52	10	627894000
5.5	93	57	10	627897000
6	93	57	10	627902000
6.5	101	63	10	627907000
6.8	109	69	5	627910000
7	109	69	5	627912000
7.5	109	69	5	627917000
8	117	75	5	627922000
8.2	117	75	5	627924000
8.5	117	75	5	627927000
9	125	81	5	627932000
9.5	125	81	5	627937000
10	133	87	5	627942000
10.2	133	87	5	627943000
10.5	133	87	5	627944000

\*Self-service packaging

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
11	142	94	5	627945000
11.5	142	94	5	627946000
12	151	101	5	627947000
12.5	151	101	5	627948000
13	151	101	5	627949000
1	34	12	2	627950000*
1.5	40	18	2	627951000*
2	49	24	2	627952000*
2.5	57	30	2	627953000*
3	61	33	2	627954000*
3.2	65	36	2	627955000*
3.5	70	39	2	627957000*
4	75	43	2	627958000*
4.2	80	47	1	627960000*
4.5	80	47	1	627961000*
4.8	86	52	1	627962000*
5	86	52	1	627963000*
5.5	93	57	1	627966000*
6	93	57	1	627967000*
6.5	101	63	1	627968000*
6.8	109	69	1	627969000*
7	109	69	1	627970000*
7.5	109	69	1	627971000*
8	117	75	1	627973000*
8.5	117	75	1	627975000*
9	125	81	1	627976000*
9.5	125	81	1	627977000*
10	133	87	1	627978000*
10.5	133	87	1	627980000*
11	142	94	1	627981000*
11.5	142	94	1	627982000*
12	151	101	1	627983000*
12.5	151	101	1	627984000*
13	151	101	1	627985000*

**Metal drill bits HSS-G long, DIN 340**



- Precision spiral drill bit made of high-grade high-speed steel according to DIN 340, ground from the solid, long, cylindrical, right-hand cutting, type N, crosswise grinding 135° according to DIN 1412 C (from 3 mm), diameter tolerance h8
- Bare surface
- For highest demands and precision in industry and handcraft
- For drilling steels, cast steel, alloyed and unalloyed, grey cast iron, ductile cast iron, sintered iron, nickel silver, graphite. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
2	85	56	1	625031000*
3	100	66	1	625033000*
4	119	78	1	625038000*
5	132	87	1	625043000*
6	139	91	1	625050000*
7	156	102	1	625053000*
8	165	109	1	625055000*
9	175	115	1	625057000*
10	184	121	1	625059000*
11	195	128	1	625062000*
12	205	134	1	625064000*
13	205	134	1	625066000*

**Metal drill bit HSS-G, DIN 3126, with hexagonal shank**



- High-quality precision tool made of the finest hardened steel
- Precision ground from one piece
- Ideal for the new generation of drills equipped with quick-change keyless chuck according to DIN 3126.
- Strict compliance to DIN 3126 E6.3 ensures that the chuck is not damaged.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
2	47	16	1	627514000*
3	47	16	1	627515000*
4	53	20	1	627516000*
5	59	26	1	627517000*
6	59	26	1	627518000*
8	60	32	1	627519000*

**Metal drill bit, HSS-Co. DIN 338**



- Precision spiral drill bit made of cobalt-alloyed high-grade high-speed steel according to DIN 338, precision-ground, cylindrical, type N, reinforced core thickness, with crosswise grinding 135° according to DIN 1412 C (from 2 mm), diameter tolerance h8
- Bronze surface
- For exceptional demands and precision work in handcraft and industry
- For drilling in steel, VA-steel, cast steel, non-ferrous metals, plastics, special alloys, chrome vanadium steel up to 1100 N/mm<sup>2</sup> tensile strength

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
1	34	12	2	627430000*
1.5	40	18	2	627431000*
2	49	24	2	627432000*
2.5	57	30	2	627433000*
3	61	33	2	627435000*
3.2	65	36	2	627436000*
3.3	65	36	2	627437000*
3.5	70	39	2	627438000*
4	75	43	2	627439000*
4.1	75	43	1	627440000*
4.2	75	43	1	627441000*
4.5	80	47	1	627442000*
4.8	86	52	1	627443000*
5	86	52	1	627444000*
5.1	86	52	1	627445000*
5.2	86	52	1	627446000*
5.5	93	57	1	627447000*
6	93	57	1	627448000*
6.5	101	63	1	627449000*
6.8	109	69	1	627450000*
7	109	69	1	627451000*
7.5	109	69	1	627452000*
8	117	75	1	627454000*
8.2	117	75	1	627455000*
8.5	117	75	1	627456000*
9	125	81	1	627457000*
9.5	125	81	1	627458000*
10	133	87	1	627459000*
10.2	133	87	1	627460000*
10.5	133	87	1	627461000*
11	142	94	1	627462000*
11.5	142	94	1	627463000*

\*Self-service packaging



Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
12	151	101	1	627464000*
12.5	151	101	1	627465000*
13	151	101	1	627466000*

**Formwork drill bit HSS, DIN 7490**

- Spiral drill bit made of HSS steel for extra long tool life
- Corresponds to the safety requirements of the Wood Professional Association according to DIN 7490
- No clamping in drill hole, good chip removal
- For drilling through formwork in the construction industry as well as boards, beams, planks and floor boards made of soft and hard wood. Also suitable as a facade and roofer's drill bit for metal, profile sheets etc.

Diameter mm	Overall length mm	Sales unit	Order number
6	400	1	627330000*
8	400	1	627331000*
10	400	1	627332000*
12	400	1	627333000*
14	400	1	627334000*
16	400	1	627335000*
18	400	1	627336000*
20	400	1	627337000*
22	400	1	627338000*
8	600	1	627401000*
10	600	1	627402000*
12	600	1	627403000*
14	600	1	627404000*
16	600	1	627405000*

**Router Bit**



- Routing drill bit made of HSS steel with very efficient routing spirals, crosswise grinding 135° according to DIN 1412 C, titanium nitride coating
- Extremely suitable for drilling and moulding/routing any contours in sheet metal and other thin-walled materials

Diameter mm	Overall length mm	Sales unit	Order number
6	90	1	625150000*

# MASONRY DRILL BITS, UNIVERSAL DRILL BITS



**Masonry drill bit, carbide-tipped**

Very robust, high-grade masonry drill bits for rotary and impact drills, carbide insert 130°, milled angle groove, straight spiral intake, heat resistant, good durability and long service life.

**Application:**  
For drilling in concrete, masonry, natural stone

**Concrete drill bits, carbide-tipped, »classic« series**

Concrete drill bit for rotary and impact drills, milled angle groove, straight spiral intake, long tool life, heat-resistant, carbide insert 130°, negative chamfer, robust version, surface shot peened.

**Application:**  
For drilling in concrete, masonry, natural stone

**Concrete drill bits, carbide-tipped, »pro«**

High-grade, robust concrete drill bit, with carbide insert 130°, especially heat resistant, very long service life with special groove for rapid swarf removal, surface blank with black grooves.

**Application:**  
For drilling in granite, concrete, masonry, natural and artificial stone. Suitable for light hammer drills with a three-jaw chuck

**Universal drill bits, carbide-tipped**

Multi-purpose drill bit with cylindrical shaft for rotary use, diamond ground carbide inserts and a positive aggressive cutting angle, ideally suited for use with cordless tools.

**Application:**  
For drilling in wood, metal, plastic, brick, gypsum boards, aerated concrete, tiles, ceramics, etc.

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\*Self-service packaging

### Masonry Drill Bits / Concrete Drill Bits

#### Masonry drill bit, carbide-tipped



- Masonry drill bit for rotary and impact drills, milled version, carbide insert 130°, robust version
- Suitable for drilling in bricks, masonry, natural stone etc.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
3	60	30	1	627467000*
4	75	40	1	627468000*
5	85	50	1	627469000*
5.5	85	50	1	627470000*
6	100	55	1	627471000*
6	150	85	1	627487000*
6	200	135	1	627490000*
7	100	60	1	627473000*
8	120	70	1	627474000*
8	200	135	1	627491000*
10	120	70	1	627476000*
10	200	135	1	627492000*
12	150	85	1	627478000*
12	200	135	1	627493000*
14	150	95	1	627480000*

#### Concrete drill bits, carbide-tipped, »classic« series



- Concrete drill bit for rotary and impact drills according to DIN 8039, milled angle groove, straight spiral intake, long tool life, heat-resistant, carbide insert 130°, negative chamfer, robust version
- Surface: shot blasted
- Suitable for drilling in concrete, masonry, natural stone

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
4	85	50	1	627625000*
5	85	50	1	627626000*
5	150	90	1	627665000*
5.5	85	50	1	627627000*
6	100	55	1	627646000*
6	150	90	1	627675000*
6.5	100	55	1	627650000*
7	100	55	1	627651000*
8	120	70	1	627652000*
8	200	150	1	627679000*
9	120	70	1	627653000*
10	120	70	1	627654000*
10	200	150	1	627697000*
11	150	90	1	627655000*
12	150	90	1	627656000*
12	200	150	1	627698000*
13	150	90	1	627657000*
14	150	90	1	627658000*
14	200	150	1	627699000*
15	160	100	1	627659000*
16	160	100	1	627661000*
18	160	100	1	627662000*
20	160	100	1	627664000*

#### Drill bits for concrete, carbide-tipped, »pro« series



- High-grade, robust concrete drill bit according to DIN 8039 with carbide insert 130°, especially heat-resistant, very long tool life, with special groove for quick discharge of borehole cuttings
- Also suitable for light hammer drills with a three-jaw chuck
- Suitable for drilling in granite, concrete, masonry, natural and artificial stone

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
4	85	50	1	627224000*
5	85	50	1	627225000*
5	150	105	1	627421000*
5.5	85	50	1	627226000*
6	100	55	1	627227000*
6	150	105	1	627423000*
6.5	100	55	1	627228000*
7	100	55	1	627229000*
8	120	70	1	627230000*
8	200	135	1	627426000*
9	120	70	1	627389000*
10	120	70	1	627391000*
10	200	135	1	627427000*
11	150	90	1	627392000*
12	150	90	1	627393000*
12	200	135	1	627428000*
13	150	90	1	627394000*
14	150	90	1	627395000*
14	200	135	1	627429000*
15	150	90	1	627396000*
16	150	90	1	627399000*
18	160	95	1	627409000*
20	160	95	1	627410000*

### Universal Drill Bits / Glass Drill Bits

#### Universal drill bits, carbide-tipped



- Multi-purpose drill bit with straight shank, for rotary use
- With diamond-ground carbide insert and positive, aggressive cutting angle. Ideal also for use in cordless drills
- Suitable for drilling in wood, metal, plastic, brick, gypsum boards, aerated concrete, tiles, ceramics, etc.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
3	70	40	1	627696000*
4	85	50	1	627680000*
5	85	50	1	627681000*
5.5	85	50	1	627682000*
6	100	60	1	627683000*
6	150	90	1	627684000*
7	100	60	1	627687000*
8	120	80	1	627688000*
8	250	200	1	627689000*
10	120	80	1	627691000*
10	250	200	1	627692000*
12	150	90	1	627693000*
12	250	200	1	627694000*
14	250	200	1	627695000*

\*Self-service packaging

Glass drill bit, carbide tipped



- Glass drill bit with special carbide insert
- For drilling in glass, mirror glass, bottles, tiles, etc.
- Attention: set low speeds and cool sufficiently!

Diameter mm	Overall length mm	Sales unit	Order number
4	65	1	627243000*
5	65	1	627244000*
6	65	1	627245000*
8	70	1	627246000*
10	80	1	627247000*

Diamond Drill Bits



- High-performance diamond drill bit for all types of tiles up to a scratch hardness of class 8. Also suitable for glass, porcelain, marble, etc.
- The drill must be cooled continuously with water.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
5	60	35	1	627534000*
6	60	35	1	627535000*
7	60	35	1	627536000*
8	60	35	1	627537000*
10	60	35	1	627538000*
12	60	35	1	627539000*
14	60	35	1	627544000*

# WOOD DRILL BITS



## Drill bit for wood CV

Wood spiral drill bit made of high-grade steel, similar to DIN 7487 hardened, with centring point

**Application:**  
For drilling in hard and soft wood, plywood, chipboards, etc.

## Auger Bits

Auger bit for timber with self centering thread point and pre-cutting action, with hexagonal shaft, especially fast drilling cycle, very good material removal.

**Application:**  
Ideal for drilling deep holes in thick hard and soft wood, especially timber beams.

## Forstner pattern bit

Similar to DIN 7483 with centring point, 2 main cutters and 2 ring cutters

**Application:**  
For use in hard and soft wood, veneered wooden boards. Suitable for drilling blind holes.

## Wood Drill Bit

Wood drill made of high-quality steel with centering points for precise drilling and 2-sided cutting for splinter-free drilling. The 1/4" (6.35 mm) hexagonal shaft fits into traditional chucks and E 6.3 holders.

**Application:**  
For fast drilling soft wood, boards, chipboards, plywood, etc.

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\*Self-service packaging

Wood Drill Bits

Wood drill bits CV, with centering point



- Similar to DIN 7487
- Wood spiral drill bit made of high-grade steel, hardened, with centering point
- For use in hard and soft wood, plywood, chipboards etc.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
3	61	33	1	627986000*
4	75	43	1	627987000*
5	86	52	1	627988000*
6	93	57	1	627989000*
7	109	69	1	627990000*
8	117	75	1	627991000*
9	120	81	1	627992000*
10	133	87	1	627993000*
11	142	89	1	627994000*
12	151	96	1	627995000*
13	151	96	1	627996000*
14	151	96	1	627997000*
15	160	100	1	627998000*
16	160	100	1	627999000*
18	180	130	1	627339000*
20	200	140	1	627340000*

Rose bit 90°



- 5-cut rose bit made of HSS steel for acute-angled countersinks, with Allen screw, for fitting on wood spiral bits
- Can also be used as depth gauge, simply invert the countersink

Diameter mm	Overall length mm	Sales unit	Order number
3	16	1	625020000*
4	16	1	625021000*
5	16	1	625022000*
6	16	1	625023000*
8	20	1	625024000*
10	20	1	625025000*

Countersinks



Diameter mm	Sales unit	Order number
16	1	623521000*

Wood drill bit with hexagonal shank, DIN 3126



- High-quality precision tool made of the finest hardened steel
- Precision ground from one piece (not a bolted or welded 2-piece product).
- Ideal for drills equipped with quick change keyless chuck according to DIN 3126.
- Our drill's strict compliance to DIN 3126 E6.3 ensures that the chuck is not damaged.
- With centring point for precise spot-drilling.

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
2	55	20	1	627522000*
3	65	35	1	627523000*
4	75	40	1	627524000*
5	85	50	1	627525000*
6	90	55	1	627526000*
8	90	55	1	627527000*
10	100	60	1	627528000*

Timber auger bits for wood with hexagonal shank



- Timber auger bit with self-centring thread tip and rough cutter
- Ideal for drilling deep holes in hard and soft wood, especially beams
- Auger bit Ø 6-12 mm: hexagonal shank SW 10; auger bit Ø 14-32 mm: hexagonal shank SW 11

Diameter mm	Overall length mm	Working length mm	Sales unit	Order number
6	230	155	1	627115000*
7	230	155	1	627116000*
8	230	155	1	627124000*
10	230	155	1	627125000*
12	230	155	1	627126000*
14	230	155	1	627127000*
16	230	155	1	627128000*
18	230	155	1	627129000*
20	230	155	1	627130000*
22	230	155	1	627131000*
24	230	155	1	627132000*
26	230	155	1	627133000*
28	230	155	1	627134000*
30	230	155	1	627135000*
32	230	155	1	627136000*
8	460	385	1	627137000*
10	460	385	1	627138000*
12	460	385	1	627139000*
14	460	385	1	627140000*
16	460	385	1	627141000*
18	460	385	1	627142000*
20	460	385	1	627143000*
22	460	385	1	627144000*
24	460	385	1	627145000*
26	460	385	1	627146000*
28	460	385	1	627147000*
30	460	385	1	627148000*
32	460	385	1	627150000*

\*Self-service packaging

Forstner pattern bits, similar to DIN 7483 G



- Forstner pattern bit, similar to DIN 7483 G with centring point, 2 main cutters and 2 ring cutters
- For use in hard and soft wood, veneered wooden boards, etc.
- Suitable for drilling blind holes.

Diameter mm	Overall length mm	Shaft Ø mm	Sales unit	Order number
10	90	8	1	627579000*
12	90	8	1	627580000*
14	90	8	1	627581000*
15	90	8	1	627582000*
16	90	8	1	627583000*
18	90	10	1	627584000*
20	90	10	1	627585000*
22	90	10	1	627586000*
24	90	10	1	627587000*
25	90	12	1	627588000*
26	90	12	1	627589000*
28	90	12	1	627590000*
30	90	12	1	627591000*
32	90	12	1	627592000*
34	90	12	1	627593000*
35	90	12	1	627594000*
36	90	12	1	627595000*
38	90	12	1	627596000*
40	90	12	1	627597000*
45	90	12	1	627598000*
50	90	12	1	627599000*

Carbide Multi-spur Machine Bit



- Precision multi-spur machine bit, similar to DIN 7483 C with centering point, 2 sharp rough cutters and 2 main cutters made of carbide steel
- For professional use and non-splintering drilling in veneered wooden boards as well as all natural hard and soft wood types

Diameter mm	Overall length mm	Shaft Ø mm	Sales unit	Order number
20	90	8	1	625123000*
25	90	8	1	625126000*
30	90	8	1	625128000*
35	90	10	1	625129000*
40	90	10	1	625130000*

Flat timber drill bits with 1/4" (6.35 mm) hexagonal shank



- Wood drill bit made of high-grade steel, with centering point for high-precision spot-drilling and two side cutters for quick and non-splintering drilling in soft wood, chipboard, plywood, light construction materials etc.
- The 1/4" (6.35 mm) hexagonal shank fits into hex end sockets and E 6.3 holders.

Diameter mm	Overall length mm	Sales unit	Order number
8	160	1	627311000*
10	160	1	627312000*
12	160	1	627313000*
13	160	1	627314000*
14	160	1	627315000*
16	160	1	627316000*

\*Self-service packaging








Diameter mm	Overall length mm	Sales unit	Order number
17	160	1	627347000*
18	160	1	627317000*
19	160	1	627318000*
20	160	1	627319000*
22	160	1	627320000*
24	160	1	627321000*
25	160	1	627322000*
26	160	1	627323000*
28	160	1	627324000*
30	160	1	627325000*
32	160	1	627326000*
36	160	1	627327000*
38	160	1	627328000*





Extension for flat timber drill bit


Working Length mm	Sales unit	Order number
305	1	627329000*





Drill Bit Assortments





HSS-R Metal Drill Bits, DIN 338, roll-milled



	Order number
 HSS-R bit storage case 6-piece, in plastic carry case Ø 2 / 3 / 4 / 5 / 6 / 8 mm	627160000*
 HSS-R bit storage case 10 pieces, in plastic carry case Ø 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm	627158000*
 HSS-R bit storage case 13 pieces, in plastic storage case Ø 1.5 / 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 mm	627161000*
 HSS-R bit storage case 13 pieces, in plastic storage case Ø 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 mm	627162000*
 HSS-R bit storage case 19-piece, in robust plastic carry case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	627164000*
 HSS-R bit storage case 25 pieces, in robust plastic storage case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm	627159000*
 HSS-R bit storage case 36 pieces, in metal case 5x Ø 2 / 2.5 / 3 / 3.5 mm; 3x Ø 4 / 4.5 / 5 / 5.5 mm; 2x 6 / 6.5 mm	627174000*



HSS-G metal drill bits, DIN 338, ground		Order number
	<b>HSS-G drill bit storage case</b> 6-piece, in plastic storage case Ø 2 / 3 / 4 / 5 / 6 / 8 mm	627094000*
	<b>HSS-G drill bit storage case</b> 13 pieces, in plastic storage case Ø 1.5 / 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 mm	627096000*
	<b>HSS-G drill bit storage case</b> 19 pieces, in robust plastic storage case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	627097000*
	<b>HSS-G drill bit storage case</b> 25 pieces, in robust plastic storage case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm	627098000*


HSS-G metal drill bit with hexagonal shank, DIN 3126		Order number
	<b>HSS-G drill bit storage case</b> 5-piece, with hexagonal shank (E 6.3), in plastic storage case Ø 3 / 4 / 5 / 6 / 8 mm	627112000*

Metal drill bit, HSS-Co, DIN 338		Order number
	<b>HSS-Co drill bit storage case</b> 6 pieces, in plastic storage case Ø 2 / 3 / 4 / 5 / 6 / 8 mm	627119000*
	<b>HSS-Co drill bit storage case</b> 6-piece, in plastic storage case Ø 1.5 / 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 mm	627120000*
	<b>HSS-Co drill bit storage case</b> 19-piece, in robust plastic storage case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	627121000*
	<b>HSS-Co drill bit storage case</b> 25 pieces, in robust plastic storage case Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm	627122000*

Metal drill bit HSS-TiN, DIN 338		Order number
	<b>HSS-TiN drill bit storage case</b> 6-piece, in plastic storage case. HSS-TiN drill bit not suitable for processing aluminium! Ø 2 / 3 / 4 / 5 / 6 / 8 mm	627171000*
	<b>HSS-TiN drill bit storage case</b> 13-piece, in plastic storage case. HSS-TiN drill bit not suitable for processing aluminium! Ø 1.5 / 2 / 2.5 / 3 / 3.2 / 3.5 / 4 / 4.5 / 4.8 / 5 / 5.5 / 6 / 6.5 mm	627176000*
	<b>HSS-TiN drill bit storage case</b> 19-piece, in robust plastic storage case. HSS-TiN drill bit not suitable for processing aluminium! Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 mm	627173000*
	<b>HSS-TiN drill bit storage case</b> 25-piece, in robust plastic storage case. HSS-TiN drill bit not suitable for processing aluminium! Ø 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10 / 10.5 / 11 / 11.5 / 12 / 12.5 / 13 mm	627191000*



Masonry drill bit, carbide-tipped		Order number
	<b>Masonry drill bit storage case</b> 5 pieces, in plastic storage case Ø 4 / 5 / 6 / 8 / 10 mm	627192000*
	<b>Masonry drill bit storage case</b> 8 pieces, in plastic storage case Ø 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm	627193000*


Concrete drill bits, carbide-tipped, »classic« series		Order number
	<b>Concrete drill bit storage case</b> 5 pieces, in plastic storage case Ø 4 / 5 / 6 / 8 / 10 mm	627180000*
	<b>Concrete drill bit storage case</b> 8 pieces, in plastic storage case Ø 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm	627182000*


Drill bits for concrete, carbide-tipped, »pro« series		Order number
	<b>Concrete drill bit storage case</b> 5 pieces, in plastic storage case Ø 4 / 5 / 6 / 8 / 10 mm	627181000*

Universal drill bits, carbide-tipped		Order number
	<b>Universal drill bit storage case</b> 4 pieces in plastic storage case Ø 5 / 6 / 8 / 10 mm	627185000*

\*Self-service packaging

Assortment of drill bits for metal, stone, wood		
		Order number
	<b>Drill bit assortment</b> 9 pieces, in plastic storage case je 3 x Ø 5 / 6 / 8 mm	627179000*
	<b>Drill bit assortment</b> 18 pieces, in plastic storage case je 3 x Ø 3 / 4 / 5 / 6 / 8 / 10 mm	627190000

Wood drill bits CV, with centring point		
		Order number
	<b>Wood drill bit storage case</b> 5 pieces, in plastic storage case Ø 4 / 5 / 6 / 8 / 10 mm	627200000*
	<b>Wood drill bit storage case</b> 8 pieces, in plastic storage case Ø 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 mm	627202000*

Wood drill bit CV, DIN 3126		
		Order number
	<b>Wood drill bit storage case</b> 5 pieces, with hexagonal shank (E 6.3), in plastic storage case Ø 3 / 4 / 5 / 6 / 8 mm	627111000*

## Hole Saws

### »Pioneer« Multipurpose hole saw, carbide tipped, with M 16 female thread






- Carbide teeth supported on both sides and enlarged brazed contact areas guarantee a secure fit and a high-strength connection of material.
- Improved vibration characteristics by means of the special curved geometry of the enlarged chip room and the clean-out slot.
- Ideal for electricians, tile layers, sanitation installers, heater contractors, cabinet makers, kitchen studios, artisans
- For solid wood, plywood, chipboard, plastics, acrylic glass, tiles (up to scratch hardness 6), plaster concrete blocks, aerated concrete, wood-wool boards, fibre cement, solid brick
- Maximum cutting depth 60 mm
- Only use in rotary mode, turn off impact. Use hole saws only with arbor and pilot drill.


Diameter mm	Order number
25	627001000*
30	627002000*
35	627003000*
40	627004000*
50	627005000*
60	627006000*
63	627007000*
65	627008000*
68	627009000*
74	627010000*
80	627012000*
105	627013000*

### Arbors for multi-purpose hole saws »Pioneer«

- Comfortable quick fastener for a fast change of the centre drill, without setscrew.
- No tool loss in the event of accidentally switched-on impact mechanism: the shortened holding slots prevent impact operation on the hammer drills with SDS-plus holder, thereby not damaging the tool.
- For working with the multi-purpose hole saws »Pioneer«
- Easy removal of the drilling core by unlocking the centre drill and pulling out the drilling core from the hole saw.
- The spanner flats enable easy release of the adapter.

	Shaft type	Overall length mm	Order number
	SW11	118	627037000*
	SDS-plus	118	627038000*
	SDS-plus	220	627039000*

### Pilot drills, carbide-tipped

		Order number
	<b>Pilot drill</b> For work with the carbide core cutters (M16 female thread) and the universal hole saws »Pioneer« (M16 female thread) in combination with one of the anchor-head holders Diameter: 8 mm Overall length: 120 mm	627040000*

### Bi-metal hole saws








- Hole saws made of bi-metal with hardened teeth made from a high alloyed quick steel with 8% cobalt giving extremely increased durability
- Quicker and softer chip removal through new kind of teeth with irregular tooth shape and division; thus less vibration
- For use in cast steel and grey cast iron, stainless steel, constructional steel, aluminium, bronze, copper, PVC, acrylic glass, wood.
- Maximum cutting depth approximately 40 mm
- Thread for hole saws-Ø 14-30 mm: 1/2"-20 UNF; thread for hole saws-Ø 32-152mm: 5/8"-18 UNF
- Use hole saws only with the corresponding arbor and pilot drill.
- For hole saws with Ø 14-30 mm use arbor with 1/2"-20 UNF. For hole saws with Ø 32-152 mm arbor with 5/8"-18 UNF.



Diameter mm	Order number
14	625160000*
16	625161000*
17	625162000*
19	625163000*
20	625164000*
21	625165000*
22	625166000*
24	625167000*
25	625168000*
27	625169000*
29	625170000*
30	625171000*
32	625172000*
33	625173000*
35	625174000*
37	625175000*


\*Self-service packaging

Diameter mm	Order number
38	625176000*
40	625177000*
41	625178000*
43	625179000*
44	625180000*
46	625181000*
48	625182000*
51	625184000*
52	625185000*
54	625186000*
56	625187000*
57	625188000*
59	625189000*
60	625190000*
64	625191000*
65	625192000*
67	625193000*
68	625194000*
70	625195000*
73	625196000*
76	625197000*
79	625198000*
83	625199000*
86	625200000*
89	625201000*
92	625202000*
95	625203000*
98	625204000*
102	625205000*
105	625206000*
108	625207000*
111	625208000*
114	625209000*
121	625210000*
127	625211000*
140	625213000*
152	625214000*


Anchor-head holders for bi-metal hole saws				
	Designation	Hole saw Ø	Shaft type	Order number
	Adapter SW 9/ 1/2"-20 UNF	14 - 30 mm	SW9	625215000*
	Adapter SW 9/ 5/8"-18 UNF	32 - 152 mm	SW9	625216000*
	Adapter SDS-plus/ 1/2"-20 UNF	14 - 30 mm	SDS-plus	625217000*
	Adapter SDS-plus/ 5/8"-18 UNF	32 - 152 mm	SDS-plus	625218000*


Pilot drill		Order number
	<b>Pilot drill</b> For work with the HSS bi-metal hole saws in combination with one of the anchor-head holders: 625215000 to 625218000 Diameter: 6.35 mm	625220000*

Bi-metal hole saws, assortments		Order number
	<b>Bi-metal hole saw set 1 (8 pieces)</b> Comprising bi-metal hole saws Ø 22, 29, 35, 44, 51 and 64 mm arbor for hole saws Ø 14-30 mm (SW 9/ 1/2"-20 UNF) arbor for hole saws Ø 32-152 mm (SW 9/ 5/8"-18 UNF) pilot drill plastic carry case	625434000*
	<b>Bi-metal hole saw set 2 (11 pieces)</b> Comprising bi-metal hole saws Ø 19, 22, 29, 35, 44, 51, 57, 64 and 68mm arbor for hole saws Ø 14-30 mm (SW 9/ 1/2"-20 UNF) arbor for hole saws Ø 32-152 mm (SW 9/ 5/8"-18 UNF) pilot drill plastic storage case	625435000*

Hole saw set for wood		Order number
	<b>Hole saw</b> With 8 interchangeable inserts Ø 25-68 mm, with pilot drill Ø 6 mm, shank Ø 10 mm	623531000*


### Angle Attachments

Angle drilling and screw-driving attachment		Order number
	<b>Angle drilling and screw-driving attachment</b> <ul style="list-style-type: none"> <li>■ Makes easy work of drilling and screw-driving in confined spaces</li> <li>■ Spindle with hexagon recess for screwdriver bits; bit retaining bush</li> <li>■ Suitable for forward and reverse rotation</li> <li>■ Metabo quick-action coupling</li> <li>■ Gear ratio 1:1; load resistance up to 100 Nm</li> <li>■ With chuck safety bolt and hexagon nut</li> </ul> Locating bore: 43 mm Spindle thread: 1/2" - 20 UNF Spindle with hexagonal recess: 1/4" (6.35 mm) Weight: 0.5 kg	631078000*


Pump attachments		Order number
	<b>Pump attachment BPV 01</b> <ul style="list-style-type: none"> <li>■ Self-priming</li> <li>■ Suitable for driving units with speed up to 1,800 to 2,600 /min</li> <li>■ Fitted with its pin in the chuck of the driving unit</li> <li>■ Water temperature: max. 50° C</li> </ul> Maximum delivery rate: 1,500 l/h Maximum suction height: 2 m Maximum delivery height: 4 m Connection piece for hose: 1/2" Weight: 0.1 kg	627621000*

\*Self-service packaging




<b>Pump attachment</b>		Order number
	<ul style="list-style-type: none"> <li>Self-priming</li> <li>Suitable for driving units with speed up to 3,400 rpm</li> <li>Metabo quick-action coupling</li> </ul> Maximum delivery rate: 3,000 l/h Maximum suction height: 4 m Maximum delivery height: 20 m Locating bore: 43 mm Connection piece for hose: R 3/4" Weight: 0.6 kg	627640000*


**Hexagon nut**

<b>Hexagon nut</b>		Order number
	With female thread 1/2"-20 UNF; To drive the angle attachment 631078000 or the pump attachment 627640000 on a drill with a 1/2"-20 UNF threaded spindle, but no hexagon shoulder on the spindle, requires a 19 mm AF hexagon nut (KW 19) with 1/2"-20 UNF female thread.	627601000*


**Flexible shaft**

<b>Flexible shaft</b>		Order number
	<ul style="list-style-type: none"> <li>Suitable for speeds of 2,000 to 5,000 rpm</li> </ul> Length: 1.2 m Driving shaft Ø: 6 mm Collet bore: 6 mm Weight: 0.8 kg	627608000*

**Clamping stand**


<b>Clamping stand</b>		Order number
	<ul style="list-style-type: none"> <li>For safe clamping of drills and impact drills as well as die grinders and the motor of the router when working with flexible shanks. Locating bore Ø 43 mm. The clamp (627107000) serves for the secure fixing</li> </ul>	627354000*

**Clamp**


<b>Clamp</b>		Order number
	<ul style="list-style-type: none"> <li>For the secure fitting on a work table</li> </ul>	627107000*

**Drill Stands**

**Drill stand**

<b>Drill stand</b>		Order number
	<b>Drill stand 890</b> <ul style="list-style-type: none"> <li>The design of the feed mechanism enables the maximum drilling depth of 65 mm to be achieved with a swivelling motion</li> <li>Asymmetrical arrangement of the column in relation to the base plate enables the processing of larger workpieces</li> <li>Unlimited access to the controls of drill and drill stand by angled cantilever</li> <li>No risk of injury or drill breakage thanks to the safe adjustment of the device carrier to the required working height</li> <li>Adjustable depth guide</li> </ul> Inner throat: 165 mm Working stroke: 65 mm Height of column: 500 mm Column Ø: 40 mm Locating bore: 43 mm Base plate: 220 x 213 mm Weight: 5.5 kg	600890000

**Magnetic drill stands**

<b>Magnetic drill stands</b>		Order number
	<b>Electromagnetic drill stand M 100</b> <ul style="list-style-type: none"> <li>Magnet base with high holding power for safe operation</li> <li>Also suitable, when used in conjunction with the safety chain supplied, for working on vertical, sloping, or overhead surfaces</li> <li>Vertical feed driven by rack and pinion</li> <li>In order to position the tip of the drill bit that is fitted in the drill exactly over the punch mark on the material to be drilled, the upper part of the magnetic drill stand can be swivelled and moved sideways</li> <li>Power socket on the drill stand for connecting the drill directly</li> <li>The drill fitted to the drill stand cannot be started until the drill stand itself has been switched on</li> <li>Adjustable support to back up the stand against the high reacting forces that arise when drilling</li> <li>Graduated collar indicating the depth to which the hole is drilled</li> <li>can be complemented with the drill B 32/3 to a magnetic drill unit with max. drill diameter 100 mm (with core hole drill).</li> </ul> Locating bore: 65 mm Depth of feed: 260 mm Maximum height: 650 mm Magnetic force (maximum): 18,000 N Dimensions magnetic base: 110 x 220 mm Weight: 22 kg	627100000

\*Self-service packaging

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Machine Vices

	Jaw dimensions mm	Clamping width mm	Order number
	80 x 45	86	612003000
	100 x 58	100	612001000



Accessories for Sanding/Grinding and Polishing

		Order number
	<b>Rubber backing pad</b> Dimensions: Ø 125 mm Clamping shaft Ø: 8 mm Sales unit: 1	623259000*
	<b>Lambswool bonnet</b> ■ For high-gloss polishing Diameter: 130 mm Sales unit: 1	623266000*
	<b>Hook and loop backing pad</b> Dimensions: Ø 115 mm Clamping shaft Ø: 8 mm Sales unit: 1	624839000*
	<b>Hook and loop lambs wool polishing disc</b> For high-gloss polishing Dimensions: Ø 115 mm Sales unit: 1	624911000*
	<b>Hook and loop polishing sponge</b> Dimensions: Ø 130 mm Sales unit: 1	631222000*
	<b>Sanding drum</b> Dimensions: Ø 45 x 30 mm Clamping shaft Ø: 6 mm Sales unit: 1	623269000*
	<b>Sanding belt rolls</b> Sanding belt rolls only in conjunction with sanding drum 623269000 Dimensions: Ø 45 x 30 mm Grit: P 60 Sales unit: 6	624207000*
	<b>Sanding belt rolls</b> Sanding belt rolls only in conjunction with sanding drum 623269000 Dimensions: Ø 45 x 30 mm Grit: P 100 Sales unit: 6	624208000*
	<b>Cotton polishing mop</b> Dimensions: 70 x 20 x 10 mm Dimensions: Ø 70 mm Sales unit: 1	623270000*
	<b>Felt disc</b> Dimensions: 100 x 15 x 10 mm Dimensions: Ø 100 mm Sales unit: 1	623234000*
	<b>Arbor</b> Arbor for polishing discs/buffing mops: 623270000; 623244000; 623234000, and cutting discs: 627383000 627384000 Dimensions: Ø 10 mm Clamping shaft Ø: 8 mm Sales unit: 1	627104000*




Steel Wire Brushes

	Clamping shaft Ø mm	Exterior Ø mm	Version	Order number
	<b>Steel-wire wheel brush, stainless steel crimped</b> ■ For light surface processing and deburring work in all metal processing ■ For processing profiles, weld seams, cutting edges, gear wheels, grooves, narrow surfaces ■ Edging type: crimped stainless steel wire			
	6	75	crimped	630550000*
	6	100	crimped	630551000*
	<b>Steel-wire cup brushes, twisted steel</b> ■ For light surface processing and deburring work in all metal processing ■ For processing larger areas, weld seams, metal plates			
	6	75	crimped	630552000*
	6	75	fine	630553000*
	<b>Steel-wire cup brushes, crimped steel</b> ■ For light surface processing and deburring work in all metal processing ■ For processing hard to reach spots and inner surfaces			
	6	25	Crimped	630554000*

Accessories for Dust Extraction

		Order number
	<b>Vacuum cleaner adapter DDE 14</b> ■ Dust extraction adapter for extracting drilling dust at the hole ■ Safe and dust-free drilling on walls and ceilings ■ By virtue of the 2-chamber system and the foam rubber gasket it stays attached to almost all (even and uneven) surfaces, such as plaster, natural stone and woodchip wallpaper. Minimal drill dust residue at walls and wallpapers. ■ The adapter is put on the existing suction hose. The negative pressure of the vacuum cleaner keeps the adapter to the respective subsurface. Drill Ø: 4 - 14 mm	630829000*
	<b>Vacuum cleaner adapter DDE 72</b> ■ Dust extraction adapter for extracting drilling dust at the hole ■ Safe and dust-free drilling on walls and ceilings ■ By virtue of the 2-chamber system and the foam rubber gasket it stays attached to almost all (even uneven) surfaces, such as plaster, natural stone and woodchip wallpaper. Minimal drill dust residue at walls and wallpapers. ■ The adapter is put on the existing suction hose. The negative pressure of the vacuum cleaner keeps the adapter to the respective subsurface. Drill Ø: 72 mm	631343000*


Other Accessories for Drills and Impact Drills

		Order number
	<b>Side handle</b> Standard version Locating bore Ø: 43 mm	631052000*
	<b>Side handle, long</b> Long type, especially suitable for working with tools with high torque; with locking screw to prevent slipping off the tool collar Locating bore Ø: 43 mm	631074000*
	<b>Reducing bush 1/2"-3/8"</b>	630704000

\*Self-service packaging

# HAMMERS: POWER PACKS FOR DEMANDING APPLICATIONS.


Metabo's powerful hammers are always the right choice when it comes to processing hard materials such as stone or concrete. The pneumatic impact mechanism generates high-energy impacts with only minimal extra force required from the user. The high performance hammer mechanism is precisely mounted in a housing made of aluminium alloy, which is resistant even to the hardest mechanical loads. The enormous power combined with user-optimised ergonomics make the Metabo hammers the ideal tools for demanding applications.




**Metabo S-automatic torque limiting clutch**  
Limitation of any sudden reverse torque when the disc stops unexpectedly in order to protect both user and machine.



**Vario Tacho Constamatic (VTC) Full-wave Electronics**  
Maintenance of speed for highest drilling output with all drill diameters. Variable change of the speed for material-matched working



**Robust Metabo Marathon Motor**  
for extra long service life thanks to special protection against abrasive effects of dust



**KHE 2851**



**Metabo Quick change chuck**  
Quick change from SDS Plus hammer chuck to hammer drilling and chiselling and keyless chuck for straight shank drills for drilling in wood and metal.

**High performance hammer action, precisely mounted in a housing made of aluminium alloy**  
long-lasting and robust

**Cable-protecting ball spout**  
for best freedom of motion when working



**Perfect ergonomics**  
Safe, comfortable and fatigue-reduced working thanks to user-friendly design.













**Universal areas of application**  
Hammer drilling, chiselling and drilling without impact - with the multi-hammer even with 2 speeds.



**Electronic soft start**  
for precise spot drilling and smooth start when chiselling

## WHICH HAMMER FOR WHICH APPLICATION?

	Hammer drilling in concrete/stone (Ø mm)	Chiselling light heavy	Max. single blow energy*	Rated input power / battery pack voltage	Change chuck QUICK	Constant electronics VARIO TACHO CONSTAMATIC	MVT Anti-vibration
<b>Cordless hammers</b>							
	KHA 18 LTX 24 mm	■	-	2.2 J	18 V		
	KHA 36 LTX 32 mm	■■■	■	3.1 J	36 V	●	●
<b>2-speed multi-hammers SDS Plus</b>							
	UHE 2450 Multi 24 mm	■	-	2.4 J	725 W	●	
	UHE 2850 Multi 28 mm	■■	-	2.8 J	1,010 W	●	●
<b>Drill hammers SDS plus</b>							
	BHE 2444 24 mm	-	-	2.3 J	800 W		
	BHE 2644 26 mm	-	-	2.3 J	800 W		
<b>Combination hammers SDS plus</b>							
	KHE 2444 24 mm	■	-	2.3 J	800 W		
	KHE 2644 26 mm	■	-	2.3 J	800 W		
	KHE 2650 26 mm	■■	-	2.7 J	800 W	●	
	KHE 2851 28 mm	■■	-	2.8 J	1,010 W	●	●
	KHE 3251 / KHE 3250 32 mm	■■■	■	3.1 J	800 W	●/-	●
<b>SDS-max combination hammers</b>							
	KHE 5-40 40 mm	■■■	■■	7.5 J	1,010 W		●
	KHE 56 45 mm	■■	■■	8.5 J	1,300 W		●
	KHE 76 50 mm	■■	■■■	11.9 J	1,500 W		●
	KHE 96 50 mm	■	■■■	20 J	1,700 W		●
<b>Chipping hammers SDS-max</b>							
	MHE 5	■■■	■■	8.6 J	1,300 W		●
	MHE 96	■	■■■	20 J	1,600 W		●

in accordance with EPTA 05/2009

Application: ■ suitable ■■ very suitable ■■■ optimum Equipment: ● present



Technical data	Cordless Combination Hammer KHA 18 LTX	Cordless Combination Hammer KHA 36 LTX
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	36 V
Max. single blow energy (EPTA)	2.2 J	3.1 J
Maximum impact rate	4,000 /min	4,500 /min
Drill diameter in		
- Concrete with hammer drills	24 mm	32 mm
- Masonry with core bits	68 mm	68 mm
- Steel	13 mm	13 mm
- Soft wood	25 mm	30 mm
No-load speed	0 - 1,100 /min	0 - 1,100 /min
Bit retainer	SDS-plus	SDS-plus
Weight (including battery pack)	2.9 kg	4.9 kg

Scope of delivery

Order number	600210	600795 <sup>1)</sup>
Hammer chuck for tools with SDS-plus shank end	■	■
Keyless chuck for tools with cylindrical shank end		■
rubber-coated handle	■	
Metabo VibraTech (MVT) side handle		■
Drilling depth guide	■	■
Carrying strap	■	
2 Li-Power battery packs (18 V/5.2 Ah)	■	
2 Li-Power battery packs (36 V/5.2 Ah)		■
»AIR COOLED« quick charger ASC 15		■
Charger ASC 30-36 V »AIR COOLED«	■	
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Integrated working light to illuminate the contact area
- Metabo Quick: Quick change between SDS Plus hammer chuck and keyless chuck for drilling in wood and metal
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Combination hammer for hammer drilling, drilling without impact and chiselling
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Forward and reverse rotation
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- Battery packs with capacity display for checking the charge status

System components

Accessories ▶ 272, 278

Battery packs ▶ 64



Technical data	Multi-Hammer UHE 2450 Multi	Multi-Hammer UHE 2850 Multi
Max. single blow energy (EPTA)	2.4 J	2.8 J
Maximum impact rate	4,300 /min	4,400 /min
Rated input power	725 W	1,010 W
Output power	450 W	550 W
Drill diameter in		
- Concrete with hammer drills	24 mm	28 mm
- Masonry with core bits	68 mm	68 mm
- Steel	13 mm/6 mm	13 mm/6 mm
- Soft wood	28 mm	28 mm
No-load speed	0 - 1,100 / 2,900 /min	0 - 950 / 0 - 2,500 /min
Revolutions at rated load	680 /min	860/2,250 /min
Torque	13 Nm	13 Nm
Bit retainer	SDS-plus	SDS-plus
Collar diameter	50 mm	50 mm
Weight (without power cable)	3.6 kg	3.7 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600696 <sup>2)</sup>	600712 <sup>1)</sup>
Hammer chuck for tools with SDS-plus shank end	■	■
Keyless chuck for tools with cylindrical shank end	■	■
Rubber-coated handle	■	■
Drilling depth guide	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Restart protection: prevents unintentional start-up after power supply interruption
- Wear Indication for carbon brushes
- Multi-hammer for hammer drilling, drilling without impact in two speeds and chiselling
- Metabo Quick: Quick change between SDS Plus hammer chuck and keyless chuck for drilling in wood and metal
- Forward and reverse rotation
- Thumbwheel for speed preselection
- Two-speed gear unit: two drilling speeds for effective drilling in wood and metal
- Metabo Marathon motor with patented dust protection for long service life
- High performance hammer action, precisely mounted in a housing made of aluminium alloy: long-lasting and robust
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.

System components

Accessories ▶ 272, 278



Technical data	Rotary Hammer BHE 2444	Rotary Hammer BHE 2644
Max. single blow energy (EPTA)	2.3 J	2.3 J
Maximum impact rate	5,400 /min	5,400 /min
Rated input power	800 W	800 W
Output power	370 W	410 W
Drill diameter in		
- Concrete with hammer drills	24 mm	26 mm
- Masonry with core bits	68 mm	68 mm
- Steel	13 mm	13 mm
- Soft wood	30 mm	30 mm
No-load speed	0 - 1,230 /min	0 - 1,150 /min
Revolutions at rated load	880 /min	960 /min
Torque	15 Nm	15 Nm
Bit retainer	SDS-plus	SDS-plus
Collar diameter	43 mm	43 mm
Weight (without power cable)	2.3 kg	2.7 kg
Cable length	4 m	4 m

**Scope of delivery**

Order number	606153	606156
Hammer chuck for tools with SDS-plus shank end	■	■
Side handle	■	■
Drilling depth guide	■	■
Plastic carry case	■	■

**Product advantages**

- Electronic soft start for precise spot-drilling
- High performance hammer action, precisely mounted in a housing made of aluminium alloy: long-lasting and robust
- Rotary hammer for hammer drilling and drilling without impact.
- Forward and reverse rotation
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.

**System components**

Accessories → 272



Technical data	Combination Hammer KHE 2444	Combination Hammer KHE 2644
Max. single blow energy (EPTA)	2.3 J	2.3 J
Maximum impact rate	5,400 /min	5,400 /min
Rated input power	800 W	800 W
Output power	370 W	410 W
Drill diameter in		
- Concrete with hammer drills	24 mm	26 mm
- Masonry with core bits	68 mm	68 mm
- Steel	13 mm	13 mm
- Soft wood	30 mm	30 mm
No-load speed	0 - 1,230 /min	0 - 1,150 /min
Revolutions at rated load	880 /min	960 /min
Torque	15 Nm	15 Nm
Bit retainer	SDS-plus	SDS-plus
Collar diameter	43 mm	43 mm
Weight (without power cable)	2.4 kg	2.9 kg
Cable length	4 m	4 m

**Scope of delivery**

Order number	606154 <sup>1)</sup>	606157 <sup>2)</sup>
Hammer chuck for tools with SDS-plus shank end	■	■
Side Handle	■	■
Drilling depth guide	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product advantages**

- Electronic soft start for precise spot-drilling
- High performance hammer action, precisely mounted in a housing made of aluminium alloy: long-lasting and robust
- Combination hammer for hammer drilling, drilling without impact and chiselling
- Forward and reverse rotation
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- Lockable switch for trouble-free working in continuous operation

**System components**

Accessories → 272, 278

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Technical data	Combination Hammer KHE 2650	Combination Hammer KHE 2851
Max. single blow energy (EPTA)	2.7 J	2.8 J
Maximum impact rate	4,400 /min	4,400 /min
Rated input power	800 W	1,010 W
Output power	480 W	550 W
Drill diameter in		
- Concrete with hammer drills	26 mm	28 mm
- Masonry with core bits	68 mm	68 mm
- Steel	13 mm	13 mm
- Soft wood	28 mm	28 mm
No-load speed	0 - 1,100 /min	0 - 945 /min
Revolutions at rated load	680 /min	860 /min
Torque	13 Nm	13 Nm
Bit retainer	SDS-plus	SDS-plus
Collar diameter	50 mm	50 mm
Weight (without power cable)	3.6 kg	3.7 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600658 <sup>2)</sup>	600657 <sup>1)</sup>
Hammer chuck for tools with SDS-plus shank end	■	■
Keyless chuck for tools with cylindrical shank end	■	■
Rubber-coated handle	■	■
Drilling depth guide	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Electronic soft start for precise spot-drilling
- Combination hammer for hammer drilling, drilling without impact and chiselling
- Forward and reverse rotation
- Metabo Quick: Quick change between SDS Plus hammer chuck and keyless chuck for drilling in wood and metal
- Metabo Marathon motor with patented dust protection for long service life
- High performance hammer action, precisely mounted in a housing made of aluminium alloy: long-lasting and robust
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- Lockable switch for trouble-free working in continuous operation
- Cable-protecting ball joint for best freedom of motion when working

System components

Accessories ▶ 272, 278



Technical data	Combination Hammer KHE 3250	Combination Hammer KHE 3251
Max. single blow energy (EPTA)	3.1 J	3.1 J
Maximum impact rate	4,470 /min	4,470 /min
Rated input power	800 W	800 W
Output power	440 W	440 W
Drill diameter in		
- Concrete with hammer drills	32 mm	32 mm
- Masonry with core bits	82 mm	82 mm
- Steel	13 mm	13 mm
- Soft wood	35 mm	35 mm
No-load speed	0 - 1,150 /min	0 - 1,150 /min
Revolutions at rated load	920 /min	920 /min
Torque	20 Nm	20 Nm
Bit retainer	SDS-plus	SDS-plus
Collar diameter	50 mm	50 mm
Weight (without power cable)	3.4 kg	3.6 kg
Cable length	4 m	4 m

Scope of delivery

Order number	600637 <sup>1)</sup>	600659 <sup>1)</sup>
Hammer chuck for tools with SDS-plus shank end	■	■
Keyless chuck for tools with cylindrical shank end		■
Metabo VibraTech (MVT) side handle	■	■
Drilling depth guide	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Metabo Quick: Quick change between SDS Plus hammer chuck and keyless chuck for drilling in wood and metal
- Combination hammer for hammer drilling, drilling without impact and chiselling
- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Ergonomic housing shape for chiselling tasks without side handle.
- Forward and reverse rotation
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Metabo Marathon motor with patented dust protection for long service life
- High performance hammer action, precisely mounted in a housing made of aluminium alloy: long-lasting and robust
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- Cable-protecting ball joint for best freedom of motion when working

System components

Accessories ▶ 272, 278



Technical data	Combination Hammer KHE 5-40	Combination Hammer KHE 56
Max. single blow energy (EPTA)	7.5 J	8.5 J
Maximum impact rate	3,200 /min	2,840 /min
Rated input power	1,010 W	1,300 W
Output power	400 W	650 W
Drill diameter in		
- Concrete with hammer drills	40 mm	45 mm
- Concrete with core bits	55 mm	65 mm
- Concrete with core bits	90 mm	100 mm
No-load speed	200 - 350 /min	0 - 300 /min
Torque	95 Nm	90 Nm
Bit retainer	SDS-max	SDS-max
Collar diameter	60 mm	66 mm
Weight (without power cable)	6.2 kg	6.7 kg
Cable length	4 m	6 m

Scope of delivery

Order number	600687 <sup>1) 2)</sup>	600340 <sup>1) 2)</sup>
Metabo VibraTech (MVT) side handle	■	■
Drilling depth guide	■	■
Lubricant for tool shank end	■	■
Duster	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Metabo VibraTech (MVT): integrated damping system and side handle to reduce vibrations in order to protect the user's health
- Thumbwheel for speed preselection
- Wear Indication for Carbon Brushes
- Metabo VibraTech (MVT): integrated damping system to reduce vibrations in order to protect the user's health
- Optional 30% impact reduction setting for working with more pliant materials
- Stoppable switch for trouble-free working in continuous operation
- The service display, for example, indicates when the carbon brush needs to be replaced, plus an LED indicating mains voltage
- Combination hammer chuck for hammer drilling and chiselling.
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Electronic soft start for precise spot-drilling
- Optimum heat dissipation and low weight thanks to magnesium die cast gear housing
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.

System components

Accessories → 277, 278



Technical data	Combination Hammer KHE 76	Combination Hammer KHE 96
Max. single blow energy (EPTA)	11.9 J	20 J
Maximum impact rate	2,735 /min	1,950 /min
Rated input power	1,500 W	1,700 W
Output power	750 W	850 W
Drill diameter in		
- Concrete with hammer drills	50 mm	50 mm
- Concrete with core bits	80 mm	80 mm
- Concrete with core bits	150 mm	150 mm
No-load speed	0 - 300 /min	125 - 250 /min
Torque	100 Nm	120 Nm
Bit retainer	SDS-max	SDS-max
Collar diameter	66 mm	73 mm
Weight (without power cable)	8.4 kg	11.8 kg
Cable length	6 m	6 m

Scope of delivery

Order number	600341 <sup>1) 2)</sup>	600596 <sup>1) 2)</sup>
Metabo VibraTech (MVT) side handle	■	■
Drilling depth guide	■	■
Lubricant for tool shank end	■	■
Duster	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Metabo VibraTech (MVT) vibration absorber: The spring-mounted anti-vibration mass reduces vibrations by more than 30%.
- Optional 30% impact reduction setting for working with more pliant materials
- Optimum heat dissipation and low weight thanks to magnesium die cast gear housing
- Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
- The service display, for example, indicates when the carbon brush needs to be replaced, plus an LED indicating mains voltage
- Metabo VibraTech (MVT): integrated damping system to reduce vibrations in order to protect the user's health
- Thumbwheel for speed preselection
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Wear Indication for Carbon Brushes
- Combination hammer chuck for hammer drilling and chiselling.
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Electronic soft start for precise spot-drilling
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the drill stop unexpectedly.
- Lockable switch for trouble-free working in continuous operation

System components

Accessories → 277, 278



Technical data	Chipping Hammer MHE 5	Chipping Hammer MHE 96
Max. single blow energy (EPTA)	8.6 J	20 J
Maximum impact rate	3,000 /min	1,950 /min
Rated input power	1,300 W	1,600 W
Output power	550 W	800 W
Bit retainer	SDS-max	SDS-max
Weight (without power cable)	6.6 kg	11 kg
Cable length	4 m	6 m

Scope of delivery	600688 <sup>1) 2)</sup>	600396 <sup>1) 2)</sup>
Order number		
Front handle	■	■
Lubricant for tool shank end	■	■
Duster	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product advantages**

- Optimum heat dissipation and low weight thanks to magnesium die cast gear housing
- The service display, for example, indicates when the carbon brush needs to be replaced, plus an LED indicating mains voltage
- Metabo VibraTech (MVT): integrated damping system to reduce vibrations in order to protect the user's health
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised impact rates to suit the application material remain almost constant, even under load
- Thumbwheel for preselection of impact rate
- Electronic soft start for smooth start-up
- Lockable switch for trouble-free chiselling in continuous operation
- The adjustable front handle can be rotated 360° and the angle adjusted for an optimum working position
- Long design for an upright working position when performing tasks at ground level.
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Wear Indication for Carbon Brushes

**SDS-MAX / SDS-PLUS DRILL BITS**



**SDS-max »Pro 4«**

- **Unrivalled destructive force:** Extremely robust and aggressive solid carbide S-blade
- Short head with **large-volume dust channels** for smooth transport of the drill dust, minimum generation of heat for constant **long service life**



- Inclined auxiliary cutting edges for aggressive drilling progress with **highest drilling speed**



- **Drill-active centring tip** for optimum guidance when drilling in concrete and armoured concrete
- **Innovative wear indication** as indicator for dimensional conformance
- **Vibration Control** - ideal for the hardest applications on the construction site

**SDS-plus »Pro 4 Premium«**

- The **optimum head geometry** made from a single piece (Ø 5-16 mm) or 3-piece (Ø 18-32 mm) carbide element with 4 x 90° symmetry does not jam in case of hitting armouring.
- The genuine **4-spiral helical geometry** distributes the loads optimally on all spirals, thereby attaining low-vibration drilling characteristics.
- The **centring point and wear marking** on both sides of the main plate ensure simple, precise spot drilling without running and precise dowel fit.
- The **high-quality special steel** makes the drill **extremely break-proof and durable**. The resistance is further increased by the special surface treatment.

**SDS-plus »Pro 4«**

- **Highest drilling speed** thanks to reduced friction and improved impact transfer
- **2-spiral helix with its large geometry with reinforced core (KVS)**. The narrower cutting width geometry at the front edge and the reinforced relief and core at the rear additionally reduce friction whilst ensuring high resistance to breakage at the same time



- The special cutting geometry on the chisel-shaped bit head ensures quick penetration into the toughest concrete and into granite.
- Stable and durable centring pin for high-precision spot drilling, no running across smooth surfaces



- **Power breakers** cause micro tears in the material for a noticeable quicker drill progress



**System components**


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Hammer Drill Bits

Carbide hammer drill bits with SDS-plus shank end

Diameter mm	Working length mm	Overall length mm	Sales unit	Order number
 <b>Carbide-tipped hammer drill bits, SDS plus »Classic«, 2 cutting edges</b> <ul style="list-style-type: none"> <li>■ SDS-plus drill bit with high-quality carbide drill tip</li> <li>■ Dynamic, chisel-shaped bit head</li> <li>■ Large-volume S-spiral geometry ensures quick drill dust removal</li> <li>■ Good drilling output with good tool life</li> <li>■ For use in concrete, masonry, natural stone</li> </ul>				
5	50	110	1	626172000*
5	100	160	1	626173000*
6	50	110	1	626174000*
6	100	160	1	626175000*
6	150	210	1	626176000*
6	200	260	1	626177000*
6	250	310	1	626178000*
7	50	110	1	626179000*
7	100	160	1	626180000*
8	50	110	1	626181000*
8	100	160	1	626182000*
8	150	210	1	626183000*
8	200	260	1	626184000*
10	50	110	1	626185000*
10	100	160	1	626186000*
10	150	210	1	626187000*
10	200	260	1	626188000*
10	250	310	1	626189000*
10	400	450	1	626190000*
12	100	160	1	626191000*
12	150	210	1	626192000*
12	200	260	1	626193000*
12	250	310	1	626194000*
12	400	450	1	626195000*
14	100	160	1	626196000*
14	150	210	1	626197000*
14	250	310	1	626198000*
14	400	450	1	626199000*

 <b>Carbide-tipped hammer drill bit, SDS-plus »Pro 4«, 2 cutting edges</b> <ul style="list-style-type: none"> <li>■ Highest drill speed thanks to reduction in friction and improved impact transmission. The special cutting geometry on the chisel-shaped drill head ensures deep penetration in hardest concrete and granite</li> <li>■ Stable and durable centring point for high-precision spot-drilling, no running across smooth surfaces</li> <li>■ Power breakers cause micro tears in the material for a noticeable quicker drill progress</li> <li>■ The probability of snagging on concrete reinforcements is significantly reduced thanks to enlarged armouring phases.</li> <li>■ 2-spiral helix with its large geometry with reinforced core (KVS). Quick delivery of bore dust, reduces friction in drilled hole and improves the vibration behaviour. The narrower cutting width geometry at the front edge and the reinforced relief and core at the rear additionally reduce friction whilst ensuring high resistance to breakage at the same time</li> <li>■ For use in concrete, masonry, natural stone, granite</li> </ul>				
4	50	110	1	631780000*
5	50	110	1	631820000*
5	100	160	1	631821000*
5	150	210	1	631864000*
5	200	260	1	625256000*
5	250	310	1	625257000*
5	310	360	1	625258000*
5	400	460	1	625259000*
5.5	50	110	1	631822000*
5.5	100	160	1	631823000*
5.5	200	260	1	625249000*
5.5	250	310	1	625250000*
6	50	110	1	631824000*
6	100	160	1	631825000*
6	150	210	1	631826000*

\*Self-service packaging

Diameter mm	Working length mm	Overall length mm	Sales unit	Order number
6	200	260	1	631866000*
6.5	50	110	1	631827000*
6.5	100	160	1	631828000*
6.5	150	210	1	631879000*
6.5	200	260	1	631876000*
6.5	250	310	1	631868000*
6.5	350	400	1	631785000*
7	50	110	1	631829000*
7	100	160	1	631830000*
7	150	210	1	631831000*
8	50	110	1	631832000*
8	100	160	1	631833000*
8	150	210	1	631834000*
8	200	260	1	631835000*
8	250	310	1	625229000*
8	340	400	1	625251000*
8	400	460	1	631788000*
8	540	600	1	631789000*
9	150	210	1	631836000*
10	50	110	1	631837000*
10	100	160	1	631838000*
10	150	210	1	631839000*
10	200	260	1	631840000*
10	250	310	1	631841000*
10	390	450	1	630519000*
10	540	600	1	631793000*
10	940	1,000	1	631794000*
11	110	160	1	631842000*
11	210	260	1	631843000*
12	110	160	1	631844000*
12	160	210	1	631845000*
12	210	260	1	631846000*
12	310	360	1	625254000*
12	400	450	1	630526000*
12	550	600	1	630527000*
12	950	1,000	1	631797000*
13	110	160	1	631847000*
13	210	260	1	631848000*
14	110	160	1	631849000*
14	160	210	1	631850000*
14	210	260	1	631851000*
14	260	310	1	631852000*
14	400	450	1	631801000*
14	550	600	1	630528000*
14	950	1,000	1	631802000*
15	210	260	1	631853000*
15	410	450	1	631803000*
16	110	160	1	631854000*
16	160	210	1	631855000*
16	210	260	1	625255000*
16	260	310	1	631856000*
16	400	450	1	630531000*
16	550	600	1	630532000*
16	750	800	1	631804000*
16	950	1,000	1	631805000*
18	150	200	1	630533000*
18	250	300	1	631806000*
18	400	450	1	630589000*
18	550	600	1	631807000*
18	950	1,000	1	631808000*
20	150	200	1	630536000*
20	250	300	1	630590000*
20	400	450	1	630537000*
20	550	600	1	631809000*

Diameter mm	Working length mm	Overall length mm	Sales unit	Order number
20	950	1,000	1	631810000*
22	200	250	1	630538000*
22	400	450	1	630539000*
22	550	600	1	631811000*
22	950	1,000	1	631812000*
24	200	250	1	630540000*
24	400	450	1	630541000*
25	200	250	1	631814000*
25	400	450	1	630549000*
25	550	600	1	631815000*
25	950	1,000	1	631816000*
26	200	250	1	630542000*
26	400	450	1	630548000*
4	50	110	10	625230000
5	50	110	10	625231000
5	100	160	10	625232000
6	50	110	10	625233000
6	100	160	10	625234000
6	150	210	10	625235000
8	50	110	10	625236000
8	100	160	10	625237000
8	150	210	10	625238000
10	50	110	10	625239000
10	100	160	10	625240000
10	150	210	10	625241000
10	200	260	10	625242000
12	110	160	10	625243000
12	160	210	10	625244000
12	210	260	10	625245000
14	110	160	10	625246000
14	160	210	10	625247000
14	210	260	10	625248000



**Carbide-tipped hammer drill bit (ice drill) with SDS-plus shank end, 2 cutting edges**

- For use in ice and snow
- Suitable for easy installation of slalom posts.
- Special helix for ice and snow.

32	400	450	1	630579000*
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**Carbide-tipped hammer drill bit, SDS-plus »Pro 4 Premium«, 4 cutting edges**



- The connection of the new, innovative, intelligent geometry with its uncompromised quality of detail ensures a long service life, precise drill holes and unusually quiet running - even on the toughest loads.
- Ø 5-16 mm: Thanks to the optimum symmetrical head geometry with 4 full carbide cutters, the drill runs with extremely low vibrations and does not catch when encountering reinforcing. The one-piece full carbide plate is optimally embedded in the steel body using a maximum joining surface. This way, head and spiral form a unit - especially when it needs to compensate impacts and torsional strength. Furthermore, the special head geometry creates spherical drill holes and thereby remains dowel-suitable at maximum tool life.
- Ø 18-32 mm: Three-piece carbide element: The innovative, unique carbide cutting geometry and the large, robust subsidiary blades arranged in an optimum 4 x 90° symmetry prevent catching on reinforcements and ensure perfectly round drilled holes. The centring tip and the wear simple, accurate piloting and the evaluation of measured dowel holes.
- The genuine 4-spiral helical geometry distributes the loads optimally on all spirals, thereby attaining low-vibration drilling characteristics. The four large-volume conveyor coils quickly remove the drill dust from the drill hole.
- The high-quality special steel makes the drill extremely robust and the resistance is further increased by the special surface treatment. It drills up to 50% more dowel-suitable drill holes than other drill hammer bits.
- For professional use in the hardest natural stones, concrete, brickwork.






5	50	110	1	626200000*
5	100	160	1	626201000*
5	150	210	1	626241000*
5.5	50	110	1	626202000*
5.5	100	160	1	626203000*
6	50	110	1	626204000*
6	100	160	1	626205000*
6	150	210	1	626206000*
6	200	260	1	626207000*



\*Self-service packaging

Diameter mm	Working length mm	Overall length mm	Sales unit	Order number
6	250	310	1	626208000*
6.5	100	160	1	626209000*
6.5	150	210	1	626210000*
6.5	200	260	1	626211000*
6.5	250	310	1	626212000*
7	50	110	1	626213000*
7	100	160	1	626214000*
8	50	110	1	626215000*
8	100	160	1	626216000*
8	150	210	1	626217000*
8	200	260	1	626218000*
8	250	310	1	626237000*
8	400	460	1	626240000*
10	50	110	1	626219000*
10	100	160	1	626220000*
10	150	210	1	626221000*
10	200	260	1	626222000*
10	250	310	1	626223000*
10	390	450	1	626224000*
10	540	600	1	626117000*
12	110	160	1	626225000*
12	160	210	1	626226000*
12	210	260	1	626227000*
12	260	310	1	626228000*
12	400	450	1	626229000*
12	550	600	1	626118000*
14	110	160	1	626230000*
14	210	260	1	626119000*
14	160	210	1	626231000*
14	260	310	1	626232000*
14	400	450	1	626233000*
14	550	600	1	626120000*
15	160	210	1	626248000*
15	210	260	1	626121000*
16	110	160	1	626234000*
16	160	210	1	626235000*
16	210	260	1	626238000*
16	260	310	1	626236000*
16	400	450	1	626239000*
18	200	250	1	631703000*
18	400	450	1	631704000*
20	200	250	1	631705000*
20	400	450	1	631706000*
22	200	250	1	626122000*
22	400	450	1	631707000*
24	200	250	1	631708000*
24	400	450	1	631709000*
25	200	250	1	626123000*
25	400	450	1	631710000*
28	400	450	1	631711000*
30	400	450	1	631712000*
32	400	450	1	631713000*
5	50	110	10	626268000*
5	110	160	10	626269000*
6	50	110	10	626270000*
6	110	160	10	626271000*
6	160	210	10	626272000*
8	110	160	10	626273000*
8	160	210	10	626274000*
10	110	160	10	626275000*
10	160	210	10	626276000*
12	110	160	10	626277000*
12	160	210	10	626278000*
12	190	260	10	626249000*



### Hammer Drill Bit Assortments

Carbide-tipped hammer drill bits, SDS plus »Classic«		Order number
	<b>SDS-plus Classic drill bit set, 5 pieces</b> in plastic storage case Ø 5, 6, 6, 8, 10 mm, L = 160 mm	626243000*
	<b>SDS-plus Classic drill bit set, 7 pieces</b> in metal case Ø 5, 6, 6, 8, 10 mm, L = 160 mm / Ø 6, 8, 10, 12 mm, L = 160	626244000*

Carbide-tipped hammer drill bits, SDS-plus »Pro 4«		Order number
	<b>SDS-plus Pro 4 drill bit set, 4 pieces</b> in plastic storage case Ø 5, 6, 8, 10 mm, L = 110/160 mm	630580000*
	<b>SDS-plus Pro 4 drill bit set, 5 pieces</b> in plastic storage case Ø 5, 6, 6, 8, 10 mm, L = 160 mm	630581000*
	<b>SDS-plus Pro 4 drill bit set, 7 pieces</b> in metal case Ø 5, 6, 6, 8, 8, 10, 12 mm, L = 110/160 mm	630584000*
	<b>SDS-plus drill bit / chisel set, 5 pieces</b> comprises each 1 hammer drill bit Ø 6, 8, 10 mm, 1 pointed chisel and 1 flat chisel	630477000*
	<b>SDS-plus Pro 4 drill bit set, 8 pieces</b> in roll-up case 2 each x: Ø 6 x 160; Ø 8 x 160; 1 each: Ø 8 x 210; Ø 10 x 160; Ø 10 x 210; Ø 12 x 210 mm	631715000

Carbide-tipped hammer drill bit, SDS-plus »Pro 4 Premium«, 4 cutting edges		Order number
	<b>SDS-plus Pro 4 Premium drill bit set, 7 pieces</b> in robust plastic carry case Ø 5 x 110 mm; 6 x 110 mm; 8 x 110 mm; 6 x 160 mm; 8 x 160 mm; 10 x 160 mm; 12 x 160 mm	626245000*
	<b>SDS-plus Pro 4 Premium drill bit set, 7 pieces</b> in robust plastic storage case Ø 5 x 160 mm; 6 x 210 mm; 6.5 x 210 mm; 6.5 x 260 mm; 8 x 260 mm; 10 x 260 mm; 12 x 260 mm	626246000*

### Carbide hammer drill bits with SDS-max shank end

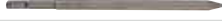








Diameter mm	Working length mm	Overall length mm	Sales unit	Order number
				
<b>Carbide-tipped hammer drill bit, SDS-max »Pro 4«, 2 cutting edges</b>				
<ul style="list-style-type: none"> <li>■ The slim, chisel-shaped bit head enables fast penetration into the selected material.</li> <li>■ Short spiral inlets and large boring dust grooves in the optimised double delivery helix ensure quick boring dust discharge.</li> <li>■ The continuous core reinforcement ensures stability and durability. It enables maximum energy transmission from hammer drill to drill tip.</li> <li>■ For use in concrete, masonry, natural stone</li> </ul>				
12	200	340	1	623310000*
12	400	540	1	623311000*
12	600	740	1	623312000*
14	200	340	1	623313000*
14	400	540	1	623314000*
15	200	340	1	623315000*
15	400	540	1	623316000
				
<b>Carbide-tipped hammer drill bit, SDS-max »Pro 4«, 4 cutting edges</b>				
<ul style="list-style-type: none"> <li>■ Unrivalled destructive force: Extremely robust and aggressive solid carbide S-blade</li> <li>■ Constant high lifetime: Short head with large-volume dust channels for smooth transport of the drill dust, minimum generation of heat</li> <li>■ Highest drilling speed: Inclined auxiliary cutting edges for aggressive drill progress</li> <li>■ Optimum centring: Drill-active centring tip for optimum guidance when drilling in concrete and armoured concrete</li> <li>■ Precise drilling hole diameters: innovative wear indication (indicator for dimensional conformance)</li> <li>■ Vibration Control: optimised vibration values - ideal for the hardest applications on the construction site</li> <li>■ For use in concrete, masonry, natural stone</li> </ul>				
16	200	340	1	623317000*
16	400	540	1	623318000*
18	200	340	1	623319000*
18	400	540	1	623320000*
20	200	320	1	623321000*
20	400	520	1	623322000*
20	800	920	1	623323000*
22	200	320	1	623324000*
22	400	520	1	623325000*
22	800	920	1	623326000*
24	200	320	1	623327000*
24	400	520	1	623328000*
25	200	320	1	623329000*
25	400	520	1	623330000*
25	800	920	1	623331000*
28	400	520	1	623333000*
28	600	720	1	623334000*
30	400	520	1	623339000*
32	200	320	1	623340000*
32	400	520	1	623341000*
32	800	920	1	623342000*
35	400	520	1	623344000*
35	600	720	1	623345000*
38	400	520	1	623347000*
40	400	520	1	623349000*
40	600	720	1	623350000*
45	400	520	1	623337000*
52	400	520	1	623338000*

\*Self-service packaging



Chisels

Chisel with SDS-plus shank end

- Special hardened steel and special surface treatment ensure a long tool life and productive operation
- For use in concrete, masonry, natural stone






Chisel shape	Overall length mm	Cutting width	Sales unit	Order number
 Pointed chisel, round tip	250		1	630992000*
 Pointed chisel, square tip	250		1	631421000*
 Pointed chisel, square tip	250		10	631387000
 Flat chisel	250	20	1	631420000*
 Flat chisel	250	20	10	631388000
 Chasing gouge	250	22	1	631422000*
 Mortar chisel, carbide-tipped	200		1	631424000*
 Scaling chisel	250	40	1	631425000*
 Tile chisel, offset	165	75	1	631449000*
 Tile chisel, offset	250	40	1	631456000*












Assortment of chisels with SDS-plus shank end

	Order number
 <b>SDS-plus chisel set , 3 pieces</b> comprising each 1 pointed chisel, 1 flat chisel and 1 scaling chisel	630478000
 <b>SDS-plus chisel set , 5-piece</b> comprising each 2 pointed chisels, 2 flat chisels and 1 scaling chisel	630484000



Chisel with SDS-max shank end

- Special hardened steel and special surface treatment ensure a long tool life and productive operation
- For use in concrete, masonry, natural stone

Chisel shape	Overall length mm	Cutting width	Sales unit	Order number
 Pointed chisel, round tip	280		1	623351000*
 Pointed chisel, round tip	400		1	623352000*
 Pointed chisel, round tip	400		10	623463000
 Pointed chisel, round tip	600		1	623358000*
 Flat chisel	280	25	1	623353000*
 Flat chisel	400	25	1	623354000*
 Flat chisel	400	25	10	623464000
 Flat chisel	600	25	1	623359000*
 Sealing chisel	400	50	1	623355000*
 Sealing chisel	300	80	1	623356000*

Chisel shape	Overall length mm	Cutting width	Sales unit	Order number
 Sealing chisel	350	115	1	623366000*
 Chasing gouge	300	26	1	623357000*
 Channel chisel	300	32	1	623365000*
 Tile chisel, offset	400	50	1	623367000*
 Toothed chisel	300	32	1	623368000*
 Mortar chisel	300	10	1	623369000
 Spade chisel	400	110	1	623383000
 Asphalt cutter	400	90	1	623384000
 Gouge chisel	380	35	1	623385000
 Stake driver	260	16.5	1	623386000*
 Stake driver	260	13	1	623387000*

Assortment of chisels with SDS-plus shank end

	Order number
 <b>SDS-max chisel set, 5 pieces</b> comprising each 2 pointed chisels, 2 flat chisels and 1 scaling chisel	630488000
 <b>SDS-max chisel set, 5 pieces</b> Comprising 3 pointed chisels, 2 flat chisels	630489000

Concrete Core Cutters

Carbide-tipped concrete core cutters (single piece) with SDS-max shank bit

- Extremely long tool life even when using powerful rotary hammers
- Optimum power transmission to bit head without damping loss of impact force
- 3 large spirals for fast drilling progress, low vibration drilling and quick dust discharge
- Ideal for drilling into hard materials.

Diameter mm	Overall length mm	Order number
45	550	623375000*
45	990	623376000*
55	550	623377000*
55	990	623378000*
65	550	623379000*
65	990	623380000*
80	550	623381000*
80	990	623382000*

\*Self-service packaging

Core Bits



Carbide core cutters with ratio thread



- Sturdy universal tool for hard work in concrete and other building materials

Diameter mm	Working length mm	Order number
50	100	623034000*
68	100	623035000*
80	100	623036000*
100	100	623032000*
125	100	623031000*

Carbide pilot drills with ratio thread

	Order number
 <b>Pilot drill 12 x 155 mm</b> ■ For working with the carbide core cutters with ratio thread Diameter: 12 mm	623038000
 <b>Connector</b> ■ Connector with ratio female thread and SDS-max shank end, length 195 mm, for the anchor-head holder 623299000 of router bits and for mounting drilling bits with the help of the pilot drill 623038000	623370000*

Anchor-head holder for carbide router bits with ratio thread

Overall length mm	Order number
 280	623299000*

Carbide core cutters with M 16 female thread






- Optimised with larger carbide teeth for longer tool life. Higher power efficiency due to stable, thin-walled bit body.
- For concrete, brickwork, natural stone and limestone


Diameter mm	Working length mm	Order number
30	55	623391000*
35	55	623392000*
40	55	623393000*
50	55	623394000*
68	55	623395000*
82	55	623396000*
100	55	623398000*
112	55	623399000*

Anchor-head holders with M16 male thread

- Set with Allen key for locking the pilot drill 627040000.
- For impact operation with light drill hammer bits.
- Also suitable for use with »Pioneer« universal hole saws.

	Order number
 <b>Arbor</b> Arbor type: SDS-plus Overall length: 105 mm	627043000*
 <b>Arbor</b> Arbor type: SDS plus Overall length: 220 mm	627042000*
 <b>Arbor</b> Arbor type: SW11 Overall length: 90 mm	627041000*

Pilot drills, carbide-tipped

	Order number
 <b>Pilot drill</b> ■ For work with the carbide core cutters (M16 female thread) and the universal hole saws »Pioneer« (M16 female thread) in combination with one of the anchor-head holders Diameter: 8 mm Overall length: 120 mm	627040000*

Diamond Socket Countersinks

For general materials, quality class »professional«



- Ideal for all hard materials, general construction/building site materials such as concrete, exposed aggregate concrete, sand-lime brick, bricks, masonry.
  - Segment height: 5.0 mm
  - For drilling without impact
  - M16 female thread
- Cannot be used with arbors 627037000, 627038000 und 627039000

Diameter mm	Segment height mm	Sales unit	Order number
68	5	1	628201000
82	5	1	628202000

For abrasive materials, quality class »professional«











- Best suited for use on soft, abrasive materials such as fresh concrete, sand-lime brick, sandstone.
  - Segment height: 5.0 mm
  - For drilling without impact
  - M16 female thread
- Cannot be used with arbors 627037000, 627038000 und 627039000

Diameter mm	Segment height mm	Sales unit	Order number
68	5	1	628203000
82	5	1	628204000




\*Self-service packaging




### Integral Chucks for Rotary Hammers

Hammer chucks with adapter		Order number
	<b>SDS-plus hammer chuck</b> ■ For tools with SDS-plus shank end ■ Suitable for UHE 22, UHE 28 Multi, BHE 24, BHE 26, KHE 26 Contact, KHE 28	631920000*
	<b>SDS-plus hammer chuck</b> ■ For tools with SDS-plus shank end ■ Suitable for KHE 32	631922000*
	<b>SDS-plus hammer chuck</b> ■ For tools with SDS-plus shank end ■ Suitable for UHE 2250/2650, UHE 2450/2850, KHE 2650/2850/2851	631928000*
	<b>SDS-plus hammer chuck</b> ■ For tools with SDS-plus shank end ■ Suitable for UHE 28 Plus, KHE 28 Plus	631931000*
	<b>SDS-plus hammer chuck</b> ■ For tools with SDS-plus shank end ■ Suitable for KHE 3251, KHA 36 LTX	631943000*


Chucks with adapter		Order number
	<b>Geared chuck with adapter</b> ■ For tools with cylindrical shank end ■ Suitable for UHE 22, UHE 28 Multi, BHE 24, BHE 26, KHE 26 Contact, KHE 28 Chuck capacity: 1 - 13 mm	631924000*
	<b>Keyless chuck with adapter</b> ■ For tools with cylindrical shank end ■ Suitable for UHE 22, UHE 28 Multi, BHE 24, BHE 26, KHE 26 Contact, KHE 28 Chuck capacity: 1.5 - 13 mm	631921000*
	<b>Keyless chuck with adapter</b> ■ For tools with cylindrical shank end ■ Suitable for UHE 28 Plus, KHE 28 Plus Chuck capacity: 1.5 - 13 mm	631930000*
	<b>Keyless chuck with adapter</b> ■ For tools with cylindrical shank end ■ Suitable for KHE 32 Chuck capacity: 1 - 13 mm	631923000*
	<b>Keyless chuck with adapter</b> ■ For tools with cylindrical shank end ■ Suitable for UHE 2250/2850, UHE 2450/2850, KHE 2650/2851 Chuck capacity: 1.5 - 13 mm	631927000*
	<b>Keyless chuck with adapter</b> ■ For tools with cylindrical shank end ■ Suitable for KHE 3251, KHA 36 LTX Chuck capacity: 1.5 - 13 mm	631968000*


### Connectors




	Order number	
	<b>Connector</b> ■ With thread 1/2"-20 UNF. Holder: SDS-plus, 1/2"- 20 UNF	630928000*
	<b>Connector</b> ■ With 1/2"-20 UNF thread for chuck and hexagon recess 1/4" (6.35 mm) for screwdriver bits with bit retaining bush Holder: SDS-plus, 1/2"- 20 UNF	631285000*
	<b>Connector</b> ■ Connector from SDS-max to SDS-plus to enable use of SDS-plus drill bits/chisels Holder: SDS-max, SDS-plus	623371000*


	Order number	
	<b>Connector</b> ■ Connector from SDS-max to spline shank for using spline shank drill bits/chisels Holder: SDS-max, spline shank	623372000*
	<b>Connector</b> ■ Connector from spline shank to SDS-max to enable the use of SDS-max drill bits/chisels Holder: spline shank, SDS-max	623373000
	<b>Connector</b> ■ Connector from spline shank to SDS-plus, to enable the use of SDS-plus drill bits/chisels Holder: spline shank, SDS-plus	630276000*
	<b>Connector</b> ■ Connector with ratio female thread and SDS-max shank end, length 195 mm, for the anchor-head holder 623299000 of router bits and for mounting drilling bits with the help of the pilot drill 623038000 Holder: SDS-max, ratio female thread	623370000*

### Other Accessories

Special grease		Order number
	<b>Special grease</b> ■ For shank ends of hammer drill bits, chisels, adapters etc.; prevents friction and wear coefficient; bio-degradable ■ High durability, high resistance to heat, high anti-corrosion properties	631800000

Other accessories for SDS-plus		Order number
	<b>Bit retaining bush</b> For fitting bits and sockets with 1/4" (6.35 mm) hexagon in the spindle of drills and impact drills with spindle thread 1/2"-20 UNF and hexagon recess 1/4" (6.35 mm). Also suitable for connectors 630928000 and 631285000.	631281000*

Accessories for dust extraction		Order number
	<b>Vacuum cleaner adapter DDE 14</b> ■ Dust extraction adapter for extracting drilling dust at the hole ■ Safe and dust-free drilling in walls and ceilings ■ By virtue of the 2-chamber system and the foam rubber gasket it stays attached to almost all (even uneven) surfaces, such as plaster, natural stone and woodchip wallpaper. Minimal drill dust residue at walls and wallpapers. ■ The adapter is put on the existing suction hose. The negative pressure of the vacuum cleaner keeps the adapter to the respective subsurface. Drill Ø: 4 - 14 mm	630829000*
	<b>Vacuum cleaner adapter DDE 72</b> ■ Dust extraction adapter for extracting drilling dust at the hole entry point ■ Safe and dust-free drilling in walls and ceilings ■ By virtue of the 2-chamber system and the foam rubber gasket it stays attached to almost all (even uneven) surfaces, such as plaster, natural stone and woodchip wallpaper. Minimal drill dust residue at walls and wallpapers. ■ The adapter is put on the existing suction hose. The negative pressure of the vacuum cleaner keeps the adapter to the respective subsurface. Drill Ø: 72 mm	631343000*
	<b>Adapter 35/38 mm</b> ■ For connecting the suction hoses with connector Ø 35 mm to an extraction nozzle Ø 58 mm. Adapter is part of the dust extraction set 630828000.	630316000*

Side handles		Order number
	<b>Metabo VibraTech (MVT) side handle</b> ■ Suitable for UHE 28 Plus, KHE 28 Plus	631595000

\*Self-service packaging



Technical data	Cordless Drywall Screwdriver SE 18 LTX 2500	Cordless Drywall Screwdriver SE 18 LTX 4000	Cordless Drywall Screwdriver SE 18 LTX 6000
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V	18 V
Maximum torque - Soft	9 Nm	7 Nm	5 Nm
No-load speed	0 - 2,500 /min	0 - 4,000 /min	0 - 6,000 /min
Bit retainer	Hexagon recess 1/4" (6.35 mm)	Hexagon recess 1/4" (6.35 mm)	Hexagon recess 1/4" (6.35 mm)
Weight (including battery pack)	1.4 kg	1.3 kg	1.3 kg

**Scope of delivery**

Order number	620047	620048	620049
Depth guide	■	■	■
Magnetic bit holder 1/4" (6.35 mm)	■	■	■
Phillips screwdriver bit size 2/25 mm	■	■	■
Belt Hook	■	■	■
2 Li-Power Battery Packs (18V/2.0 Ah)	■	■	■
ASC 30-36 V »AIR COOLED« charger	■	■	■
Plastic carry case	■	■	■

Equipment variants can be found in the Metabo price list and on the internet

**Product advantages**

- Drywall screwdriver with high torque for fixing of gypsum plasterboards and gypsum fibre boards to wood and metal framework
- Drywall screwdriver for fixing gypsum plasterboards to wood and metal framework, also suitable for gypsum fibre boards to metal frames
- The specialist for gypsum plasterboards in drywall construction situations: high torque for even faster productivity
- Compact and light design for comfortable single-hand use
- Precise driving of screws by virtue of finely adjustable depth guide and low-noise claw coupling
- Depth guide can be fully removed for inspection during operation
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Integrated working light to illuminate the contact area
- With handy belt hook, can be fixed either on the right or left side
- Screwdriver magazine SM 5-55 (order no. 631618000) can be added for applying screws accurately in quick succession
- Battery packs with capacity display for checking the charge status

**System components**

- Accessories → 287
- Battery packs → 64



Technical data	Drywall Screwdriver SE 2500	Drywall Screwdriver SE 4000	Drywall Screwdriver SE 6000
Maximum torque - soft	11 Nm	9 Nm	7 Nm
No-load speed	0 - 2,500 /min	0 - 4,400 /min	0 - 6,200 /min
Rated input power	600 W	600 W	600 W
Output power	275 W	275 W	275 W
Bit retainer	Hexagon recess 1/4" (6.35 mm)	Hexagon recess 1/4" (6.35 mm)	Hexagon recess 1/4" (6.35 mm)
Weight (without power cable)	1.2 kg	1.1 kg	1.1 kg
Cable length	5 m	5 m	5 m

**Scope of delivery**

Order number	620044	620045	620046
Depth guide	■	■	■
Magnetic bit holder 1/4" (6.35 mm)	■	■	■
Phillips screwdriver bit size 2/25 mm	■	■	■

**Product advantages**

- Drywall screwdriver with high torque for fixing of gypsum plasterboards and gypsum fibre boards to wood and metal framework
- Drywall screwdriver for fixing gypsum plasterboards to wood and metal framework, also suitable for gypsum fibre boards to metal frames
- The specialist for gypsum plasterboards in drywall construction situations: high torque for even faster productivity
- Compact and light design for comfortable single-hand use
- Precise driving of screws by virtue of finely adjustable depth guide and low-noise claw coupling
- Depth guide can be fully removed for inspection during operation
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Screwdriver magazine SM 5-55 (order no. 631618000) can be added for applying screws accurately in quick succession

**System components**

- Accessories → 287



Technical data	Screwdriver USE 8	Screwdriver DWSE 6.3
Maximum torque - soft	31 Nm	12 Nm
No-load speed	0 - 900 /min	0 - 2,100 /min
Rated input power	550 W	550 W
Output power	290 W	290 W
Bit retainer	Hexagon recess 1/4" (6.35 mm)	Hexagon recess 1/4" (6.35 mm)
Weight (without power cable)	2.3 kg	2.1 kg
Cable length	4 m	4 m

## Scope of delivery

Order number	620002	620001
Bit holder with snap ring	■	■
Depth guide sleeve (77 mm long, Ø 18 mm)	■	■
Long additional handle	■	



## Product advantages

- »High Torque« for driving in large screws
- Optimum speed for processing self-drilled screws
- 10-way adjustable torque
- Metabo Marathon motor with patented dust protection for long service life
- Two-piece depth guide, can be fully removed for inspection during operation
- Robust depth guide sleeve with front aluminium section
- Finely adjustable penetration depth for different materials
- Forward and Reverse Rotation
- Quick tool change system
- Low-noise claw clutch made from shot-peened fine quality cast for long service life
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Auto-stop carbon brushes to protect the motor


## System components

Accessories → 287





## Screwdriver bit assortments, impact-proof

	Order number
 <b>Bit-box impact 29</b> Consisting of: Pozidriv bits, sizes 2, 3 (torsion bits, 1 each size), 29 mm long Torx bits, sizes TX 15, 20, 25, 30, 40 (torsion bits, 1 each size), 29 mm long 1 Bit holder Ideal for powerful drill/screwdrivers and impact screwdrivers	628849000*
 <b>Bit-box impact 49</b> Consisting of: Pozidriv bits PZ, sizes 2, 3 (torsion bits, 1 each size), 49 mm long Pozidriv bits TX sizes TX 15, 20, 25, 30, 40 (torsion bits, 1 each size); 49 mm long Ideal for powerful drill/screwdrivers and impact screwdrivers	628850000*

## Depth Guide Sleeves

	Length mm	Internal Ø mm	Suitable for machine	Order number
	77	34	USE 8, DWSE 6.3	625354000

## Connectors

	Order number
 <b>Connector</b> Connector, 1/4" hexagon shank / 1/4" external square Overall length: 25 mm	631282000*
 <b>Connector</b> Connector, 1/4" hexagon shank / 1/4" external square Overall length: 50 mm	630142000
 <b>Connector</b> Connector, 1/4" external hexagon E6.3 / 1/2" external square Overall length: 72 mm	628838000*
 <b>Adapter</b> Adapter with 1/2" internal square on the machine side and 1/4" internal hexagon for impact-proof tools with 1/4" shank	628836000*

## Hexagon Sockets with 1/4" (6.35 mm) Hexagon

## 65 mm long, magnetic and impact-proof



For screwdrivers and impact screwdrivers 1/4"  
 Impact-proof: made from chrome Vanadium steel; surface: matt satin; length: 65 mm

Holder	Overall length mm	Key width	Order number
1/4" (6.35 mm) hexagonal shank	65	1/4" (6.35 mm)	628839000*
1/4" (6.35 mm) hexagonal shank	65	3/8" (9.53 mm)	628840000*
1/4" (6.35 mm) hexagonal shank	65	6 mm	628841000*
1/4" (6.35 mm) hexagonal shank	65	7 mm	628842000*
1/4" (6.35 mm) hexagonal shank	65	8 mm	628843000*
1/4" (6.35 mm) hexagonal shank	65	9 mm	628844000*
1/4" (6.35 mm) hexagonal shank	65	10 mm	628845000*
1/4" (6.35 mm) hexagonal shank	65	12 mm	628846000*
1/4" (6.35 mm) hexagonal shank	65	13 mm	628847000*


\*Self-service packaging




### Screw Type Angle Attachments

	Order number
 <p><b>Screw-type angle attachment</b></p> <ul style="list-style-type: none"> <li>■ For inserting screws more easily into places difficult to reach</li> <li>■ Suitable for cordless screwdrivers up to a maximum of 14 Nm and a maximum of 400 rpm</li> <li>■ Width across corners only 30 mm</li> <li>■ Magnetic bit holder</li> <li>■ With 1/4" (6.35 mm) hexagonal shank</li> <li>■ Gears made of special steel</li> <li>■ Suitable for forward and reverse rotation</li> <li>■ Screw-type angle attachment with 105° inclination</li> </ul>	630442000*
 <p><b>Screw-type angle attachment</b></p> <ul style="list-style-type: none"> <li>■ Screw-type angle attachment for professional use.</li> <li>■ Suitable for cordless screwdrivers up to a maximum of 57 Nm and a maximum of 2,000 rpm</li> <li>■ Width across corners only 50 mm</li> <li>■ Bit holder with quick-action coupling</li> <li>■ With 1/4" (6.35 mm) hexagonal shank</li> <li>■ Gears made of special steel</li> <li>■ Suitable for forward and reverse rotation</li> <li>■ Support handle adjustable to 12 positions with lockable push-button</li> <li>■ Screw-type angle attachment with 105° inclination</li> <li>■ For inserting screws more easily into places difficult to reach</li> </ul>	630463000*
 <p><b>Screw-type angle attachment with bit assortment</b></p> <ul style="list-style-type: none"> <li>■ Screw-type angle attachment for professional use.</li> <li>■ Suitable for cordless screwdrivers up to a maximum of 57 Nm and a maximum of 2,000 rpm</li> <li>■ Width across corners only 50 mm</li> <li>■ Bit holder with quick-action coupling</li> <li>■ With 1/4" (6.35 mm) hexagonal shank</li> <li>■ Gears made of special steel</li> <li>■ Suitable for forward and reverse rotation</li> <li>■ Support handle adjustable to 12 positions with lockable push-button</li> <li>■ Screw-type angle attachment with 105° inclination</li> <li>■ For inserting screws more easily into places difficult to reach</li> </ul> <p>Consisting of screw-type angle attachment 6.30463 and 32 piece bit assortment in a practical, sturdy plastic carry case with large viewing panel and additional accessory case</p> <p>Bit assortment comprising:</p> <ul style="list-style-type: none"> <li>1x Stainless steel bit holder extension, 150 mm</li> <li>1x Phillips size 0, 2x Phillips size 1, 4x Phillips size 2, 1x Phillips size 3</li> <li>1x Pozidriv size 0, 2x Pozidriv size 1, 4x Pozidriv size 2, 1x Pozidriv size 3</li> <li>1 x SL 3.0, 1 x SL 5.0, 1 x SL 6.0</li> <li>1x Torx TX 10, 1x Torx TX 15, 3x Torx TX 20, 3x Torx TX 25, 1x Torx TX 30, 1x Torx TX 40</li> <li>1x Connector for socket spanner</li> </ul>	630464000

### Screwdriver Magazine with Accessories

Collated screwdriver magazine		Order number
 <p><b>Screwdriver magazine SM 5-55</b></p> <ul style="list-style-type: none"> <li>■ Robust screwdriver magazine for Metabo drywall screwdriver</li> <li>■ For inserting screws accurately in quick succession</li> <li>■ Standard 50-screw strips can be used</li> <li>■ For affixing screws 25-55 mm in length, maximum screw head Ø of 9.5 mm and maximum shank Ø 5 mm</li> <li>■ Precision adjustable screw depth</li> <li>■ Screw magazine removable for single-screw application</li> <li>■ Suitable for SE 2500 (620044) SE 4000 (620045) SE 6000 (620046) SE 18 LTX 2500 (620047) SE 18 LTX 4000 (620048) SE 18 LTX 6000 (620049)</li> </ul> <p>Standard equipment: 2 x bits PH 2 x 176.5 mm</p>		631618000

Bits for collated screwdriver magazine						
	Bit type	Bit size	Overall length mm	Torsion bits	Sales unit	Order number
	Phillips	size 2	176.5	•	1	631582000

\*Self-service packaging

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Technical data	Cordless Impact Driver PowerMaxx SSD	Cordless Impact Driver SSD 18 LTX 200	Cordless Impact Wrench SSW 18 LTX 200
Type of battery pack	Li-Ion	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	10.8 V	18 V	18 V
Max. no-load speed	0 - 2,300 /min	0 - 2,500 /min	0 - 2,300 /min
Maximum impact rate	3,000 /min	3,300 /min	3,000 /min
Maximum torque	105 Nm	150 Nm	210 Nm
Speed/torque levels	1	3	3
Bit retainer	Hexagon recess 1/4" (6.35 mm)	Hexagon recess 1/4" (6.35 mm)	Male square 1/2" (12.70 mm)
Weight (including battery pack)	1 kg	1.6 kg	1.6 kg

**Scope of delivery**

Order number	600093	602196	602195 <sup>1)</sup>
Belt hook with bit case		■	■
2 Li-Power battery packs (10.8 V/2.0 Ah)	■		
2 Li-Power battery packs (18 V/4.0 Ah)		■	■
Charger ASC 30-36 V »AIR COOLED«		■	■
Charger LC 40	■		
Plastic carry case	■	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Three speed/torque levels for varied ranges of applications
  - With handy belt hook and bit case, can be fixed either on the right or left side
  - Battery packs with capacity display for checking the charge status
- Compact cordless impact driver for tough applications
  - High torque machine with low kick-back torque
  - Integrated work light for illumination of the work area
  - Robust die cast aluminium gear housing for optimum heat dissipation and durability



Technical data	Cordless Impact Wrench SSW 18 LTX 400 BL	Cordless Impact Wrench SSW 18 LTX 600
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Max. no-load speed	0 - 2,150 /min	0 - 1,600 /min
Maximum impact rate	4,250 /min	2,200 /min
Maximum torque	400 Nm	600 Nm
Speed/torque levels	12	1
Bit retainer	Male square 1/2" (12.70 mm)	Male square 1/2" (12.70 mm)
Weight (including battery pack)	1.7 kg	3.1 kg

**Scope of delivery**

Order number	602205 <sup>1)</sup>	602198 <sup>1)</sup>
Belt hook	■	■
2 Li-Power battery packs (18 V/5.2 Ah)		■
2 LiHD battery packs (18 V/3.1 Ah)	■	
Charger ASC 30-36 V »AIR COOLED«	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Unique Metabo brushless motor for quick work progress and highest efficiency for any application
  - Overload protection: protects the motor from overheating
  - High torque accompanied by an exceptionally compact design
  - Twelve speed/torque levels for a wide range of applications
  - LiHD battery pack for ultimate performance and extremely long service life with minimal temperature generation
- Extremely powerful for demanding screwing applications
- High torque machine with low kick-back torque
  - Integrated work light for illumination of the work area
  - Robust die cast aluminium gear housing for optimum heat dissipation and durability
  - With handy belt hook, can be fixed either on the right or left side
  - Battery packs with capacity display for checking the charge status

**System components**

Accessories → 293 | Battery packs → 64

**System components**

Accessories → 293 | Battery packs → 64

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Technical data	Impact Wrench SSW 650
No-load speed	0 - 2,100 /min
Rated input power	650 W
Output power	360 W
Maximum impact rate	2,800 /min
Maximum torque	600 Nm
Speed/torque levels	1
Bit retainer	Male square 1/2" (12.70 mm)
Weight (without power cable)	3 kg
Cable length	5 m
<b>Scope of delivery</b>	
<b>Order number</b>	<b>602204</b> <sup>1)2)</sup>

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)


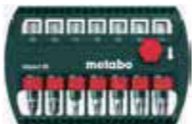
#### Product advantages

- Extremely powerful for demanding screwing applications
- Low kick-back operation with extremely high torque
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Robust die cast aluminium gear housing for optimum heat dissipation and durability



#### System components

Accessories → 293

#### Screwdriver bit assortments, impact-proof

	Order number
 <b>Bit-box impact 29</b> Consisting of: Pozidriv bits, sizes 2, 3 (torsion bits, 1 each size), 29 mm long Torx bits, sizes TX 15, 20, 25, 30, 40 (torsion bits, 1 each size), 29 mm long 1 Bit holder Ideal for powerful drill/screwdrivers and impact screwdrivers	628849000*
 <b>Bit-box impact 49</b> Consisting of: Pozidriv bits PZ, sizes 2, 3 (torsion bits, 1 each size), 49 mm long Pozidriv bits TX sizes TX 15, 20, 25, 30, 40 (torsion bits, 1 each size); 49 mm long Ideal for powerful drill/screwdrivers and impact screwdrivers	628850000*

#### Connectors

	Order number
 <b>Connector</b> Connector, 1/4" external hexagon E6.3 / 1/2" external square Overall length: 72 mm	628838000*
 <b>Adapter</b> Adapter with 1/2" internal square on the machine side and 1/4" internal square for impact-proof tools with 1/4" shank	628836000*






#### Hexagon sockets with 1/4" (6.35 mm), magnetic and impact-proof



For screwdrivers and impact screwdrivers 1/4"  
 Impact-proof: made from chrome Vanadium steel; surface: matt satin; length: 65 mm

Holder	Overall length mm	Key width	Order number
1/4" (6.35 mm) hexagonal shank	65	1/4" (6.35 mm)	628839000*
1/4" (6.35 mm) hexagonal shank	65	3/8" (9.53 mm)	628840000*
1/4" (6.35 mm) hexagonal shank	65	6 mm	628841000*
1/4" (6.35 mm) hexagonal shank	65	7 mm	628842000*
1/4" (6.35 mm) hexagonal shank	65	8 mm	628843000*
1/4" (6.35 mm) hexagonal shank	65	9 mm	628844000*
1/4" (6.35 mm) hexagonal shank	65	10 mm	628845000*
1/4" (6.35 mm) hexagonal shank	65	12 mm	628846000*
1/4" (6.35 mm) hexagonal shank	65	13 mm	628847000*

#### Accessories for impact screwdrivers, ratchet screwdrivers

	Order number
 <b>Socket wrench set 1/2" (10 pieces)</b> Consisting of 10 socket wrenches (10, 11, 12, 13, 15, 17, 19, 21, 22, 24 mm)	628831000
 <b>Socket wrench set 1/2" (3 pieces)</b> Consisting of 3 socket wrenches (17, 19, 21mm) For alloy wheel caps, long version	628833000
 <b>Socket wrench extension 1/2" impact-proof</b> Overall length 150 mm	628832000
 <b>Socket wrench set 3/4" (8 pieces)</b> Consisting of 8 socket wrenches (21, 22, 24, 26, 27, 28, 30, 32 mm)	628834000
 <b>Socket wrench set 1" (8 pieces)</b> Consisting of 8 socket wrenches (24, 27, 30, 32, 33, 34, 36, 38mm) Deep version	628835000

\*Self-service packaging



Technical data	Stirrer RWE 1020	Stirrer RWEV 1200
Rated input power	1,020 W	1,200 W
Output power	520 W	580 W
No-load speed	0 - 900 /min	0 - 590 /min
Revolutions at rated load	700 /min	590 /min
Maximum stirring paddle diameter	120 mm	140 mm
Max. recommended mixing quantity	30 l	40 l
Bit retainer	Female thread M 14	Female thread M 14
Collar Diameter	43 mm	43 mm
Weight (without power cable)	3.1 kg	3.4 kg
Cable length	4/13 m	4/13 m

**Scope of delivery**

Order number	614044	614045
Stirrer paddle type RS-R2	■	
Stirrer paddle type RS-R3		■

**Product advantages**

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Electronic soft start for splash-free working
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Thumbwheel for speed preselection
- Minor effort to guide the stirrer thanks to ergonomically favourable handle position
- Rubber corners at the housing for effective protection from damage, safe storage and non-slip leaning against a wall
- The side cable exit reduces the risk of a cable break
- Continuous speed control trigger with rubber cover to protect against dust and dirt deposits
- Splash-water proof motor cover to protect against dirt, mud and splash water

**System components**

Accessories ▶ 296



Technical data	Stirrer RWEV 1200-2	Stirrer RWEV 1600-2
Rated input power	1,200 W	1,600 W
Output power	580 W	660 W
No-load speed	0 - 520 / 0 - 720 /min	0 - 470 / 0 - 680 /min
Revolutions at rated load	0 - 520 / 0 - 720 /min	0 - 470 / 0 - 680 /min
Maximum stirring basket diameter	140 mm	160 mm
Max. recommended mixing quantity	50 l	90 l
Bit retainer	Female thread M 14	Female thread M 14
Collar diameter	43 mm	43 mm
Weight (without power cable)	4.3 kg	4.5 kg
Cable length	4/13 m	4/13 m

**Scope of delivery**

Order number	614046	614047
Stirrer paddle type RS-R3	■	■

**Product advantages**

- Minor effort to guide the stirrer thanks to ergonomically favourable handle position
- Rubber corners at the housing for effective protection from damage, safe storage and non-slip leaning against a wall
- The side cable exit reduces the risk of a cable break
- High torque thanks to two-speed gear for viscous materials
- Robust die cast aluminium gear housing for optimum heat dissipation and durability
- Continuous speed control trigger with rubber cover to protect against dust and dirt deposits
- Splash-water proof motor cover to protect against dirt, mud and splash water
- Electronic soft start for splash-free working
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Thumbwheel for speed preselection

**System components**

Accessories ▶ 296

Stirrer paddles



**Type RS-R3 right spiral – mixing effect from bottom to top**

- Ideal for heavy and viscous materials
- Mixing effect from bottom to top, agitator screws into the material by itself, bottom ring protects the container
- Particularly suited for all types of mortar, cement and lime plaster, adhesive binders, screed, tile adhesive, quartz-filled epoxy resins, thermal insulation plaster, concrete, bitumen thick coating, etc.

Diameter mm	Length mm	Maximum material quantity kg	Shaft type	Order number
120	590	15 - 25	M 14	626734000*
140	590	25 - 40	M 14	626735000*
160	590	30 - 60	M 14	626736000*



**Type RS-R2 right spiral – mixing effect from bottom to top**

- Ideal for all sticky and viscous materials
- Mixing effect from bottom to top, agitator screws into the material by itself, bottom ring protects the container
- Particularly suited for tile adhesive and construction adhesive, finished mortar and plaster, putties, screed, epoxy resin mixture, adhesive mortars etc.

Diameter mm	Length mm	Maximum material quantity kg	Shaft type	Order number
100	590	10 - 15	Hexagon 13 mm	626737000*
120	590	10 - 15	M 14	626738000*
140	590	15 - 30	M 14	626739000*



**Type RS-L2 left spiral – mixing effect from top to bottom**

- Ideal for runny materials
- Mixing effect from top to bottom, the spirals push the material from top to bottom, bottom ring protects the container
- Particularly suited for paint, varnish, base coats, slightly creamy plasters, thin coatings, paste, casting compounds, dispersion adhesives
- Stirrer cage geometry and spiral optimised for splash-free working for runny materials

Diameter mm	Length mm	Maximum material quantity kg	Shaft type	Order number
80	400	5 - 10	Hexagon 10 mm	626744000*
120	590	20 - 30	M 14	626745000*



**Type RB 4, mixing without air pockets**

- Ideal for all viscous materials which normally tend to cluster into lumps
- Stirrer paddles generate a high suction force and effectively prevent the addition of air to the mixture
- Particularly suited for self-levelling filler and levelling mixes, as well as adhesives and sealants, bitumen coatings, putty, epoxy resin coatings etc. ...

Diameter mm	Length mm	Maximum material quantity kg	Shaft type	Order number
120	590	15 - 25	M 14	626741000*



**Type RS 12 paddles – mixing effect from top to bottom**

- Ideal for all liquid and self-levelling materials
- Mixing effect from top to bottom, the spirals push the material from top to bottom, bottom ring protects the container
- Quick and homogenous mixing of runny materials
- Particularly suited for the preparation of thin bed mortar for bonding blocks

Diameter mm	Length mm	Maximum material quantity kg	Shaft type	Order number
120	590	20 - 40	M 14	626742000*
150	590	40 - 65	M 14	626743000*

\*Self-service packaging



# Sanding Routing Planing

# RANDOM ORBITAL SANDER: MAXIMUM MATERIAL REMOVAL AND A FINE POLISHED FINISH, ALL IN ONE.

Do you need a random orbital sander with high material removal, but at the same time a high polished finish? Metabo can do both: The only random orbital sander with two oscillating circuits is the absolute specialist for both coarse and fine applications. The patented dual oscillating circuit setting and the Turbo Boost function for maximum material removal, make the random orbital sander a universal machine for wood, plastic, NF metals and sheet steel surfaces.

### Variospeed (V) Electronics

Thumbwheel speed control for selecting the best speed setting for sanding the application material

### Turbo Boost

Allows additional power reserves to be applied to achieve maximum material removal

### Extraction possibilities

by connection to an all-purpose vacuum cleaner or filtered dust cartridge for working without connecting a vacuum cleaner

### Removable side handle

for working near edges

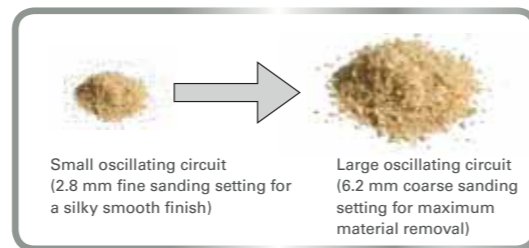
### Dust-proof ball bearings

for long service life of the machine

### Power Control System

No scratches when placing the machine directly on the material at full speed

Sturdy aluminium die cast bearing housing



**Patented dual adjustable oscillating circuit:** Can be set depending on the application for fine sanding or high stock removal

SXE 450 Turbo Tec



### Hassle-free filter changes:

The pleated filter is simply removed from the box for cleaning; the filter and the box are both very easy to clean.



### For shiny surfaces:

The SXE 425 TurboTec and the SXE 450 TurboTec are also ideal for polishing when fitted with a lambskin disc



### Adjustable oscillating circuit

The dual oscillating circuit can be adjusted from high material removal to fine finishing at the touch of a button.



### Technical data

	Palm Grip Random Orbital Sander FSX 200 Intec	Random Orbital Sander SX E 400
Diameter of backing pad	125 mm	80 mm
No-Load Speed	11,000 /min	5,000 - 10,000 /min
Rated input power	240 W	220 W
Output power	90 W	100 W
Revolutions at rated load	9,500 /min	6,000 /min
Orbit diameter	2.7 mm	3 mm
Weight (without power cable)	1.3 kg	1.2 kg
Cable length	2.8 m	2.5 m

### Scope of delivery

Order number	609225 <sup>1)</sup>	600405 <sup>1)</sup>
Hook and loop intermediate disc		■
Hexagonal wrench		■
Dust collector cartridge	■	
1 Pleated filter	■	
Plastic carry case	■	

<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- Very good weight/performance ratio for low-fatigue working
- Grip area with non-slip soft-grip surface
- Dust cartridge with filter for working without connecting a vacuum cleaner
- Extraction option by means of connecting an all-purpose vacuum cleaner using an adapter (accessory)
- Small 80 mm packing pad and flexible intermediate disc for sanding inner and outer curves.
- Ideally suited for sanding and polishing smaller surfaces
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for speed preselection
- Power Control System: No scratches when placing the machine on the material at speed
- Compact housing design aids sanding in confined spaces
- Extraction option by means of connecting an all-purpose vacuum cleaner
- Light and handy machine for convenient one-hand operation
- Dust-proof ball bearings for long service life of the machine

### System components

Accessories → 309

Extraction systems → 399



Technical data	Random Orbital Sander SXE 3125	Random Orbital Sander SXE 3150
Diameter of backing pad	125 mm	150 mm
No-load speed	4,000 - 12,000 /min	4,000 - 12,000 /min
Rated input power	310 W	310 W
Output power	135 W	140 W
Revolutions at rated load	8,800 /min	8,400 /min
Orbit diameter	3 mm	3 mm
Weight (without power cable)	1.5 kg	1.6 kg
Cable length	4 m	4 m

Scope of delivery	600443	600444 <sup>1)</sup>
Order number	600443	600444 <sup>1)</sup>
Multiple hole backing pad with cling-fit fixture	■	■
Hexagonal wrench	■	■
Fabric dust bag	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

- Product advantages**
- Lightweight, handy sander with perfect ergonomics
  - Grip area with non-slip soft-grip surface
  - Vario (V)-electronics for working at customised speeds to suit various application materials
  - Sturdy aluminium die cast bearing housing
  - Low-vibration working thanks to smooth running operation
  - Base plate with multiple holes for effective extraction and a longer service life of the sanding media
  - Easy to empty textile dust bag for working without extraction facilities
  - Extraction possibility by means of connecting an all-purpose vacuum cleaner

Technical data	Random Orbital Sander SXE 425 TurboTec	Random Orbital Sander SXE 450 TurboTec
Diameter of backing pad	125 mm	150 mm
No-load speed	4,200 - 11,000 /min	4,200 - 11,000 /min
Rated input power	320 W	350 W
Output power	160 W	180 W
Revolutions at rated load	9,000 /min	8,500 /min
Orbit diameter	5 mm	2.8/6.2 mm
Weight (without power cable)	2.3 kg	2.4 kg
Cable length	4 m	4 m

Scope of delivery	600131	600129 <sup>1) 2)</sup>
Order number	600131	600129 <sup>1) 2)</sup>
Hook and loop backing pad	■	■
Hexagonal wrench	■	■
removable side handle	■	■
Dust collector cartridge	■	■
1 Pleated filter	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

- Product advantages**
- Patented adjustable dual orbit diameter: Can be set depending on the application for fine sanding or high stock removal
  - Grip area with non-slip soft-grip surface
  - Vario (V)-electronics for working at customised speeds to suit various application materials
  - Thumbwheel for speed preselection
  - TurboBoost: allows additional power reserves to be employed for achieving maximum removal
  - Power Control System: No scratches when placing the machine directly onto the material at speed
  - Removable side handle
  - Dust-proof ball bearings for long service life of the machine
  - Sturdy aluminium die cast bearing housing
  - Dust cartridge with filter for working without connecting a vacuum cleaner
  - Extraction possibility by means of connecting to an all-purpose vacuum cleaner

**System components**

Accessories → 309

Extraction systems → 399

**System components**

Accessories → 309

Extraction systems → 399

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## ORBITAL SANDER: QUIET OPERATION, PERFECT FINISH.

Using Metabo orbital sanders you will always achieve a clean fine finish without scoring marks and grooves, for example, when sanding varnished and wooden surfaces of door frames, staircases or flat workpieces. The innovative oscillating system and the smooth operation guarantee an excellent finished result. Even heat-sensitive materials such as varnish can be processed with the Metabo orbital sanders thanks to standard speed selection.



SRE 4351 Turbo Tec



**Excellent sanding result**  
without scoring marks and grooves, for a professional surface finish.



**Sanding near edges**  
When grinding near edges the vibration damped handle can be removed quickly without the need for tools. Perfect grinding results down to the smallest corner.



**Universal clamping system**  
Universal clamping system for the use of sanding sheets with or without hook and loop, as well as sanding media up to a thickness of 10 mm.



### Technical data

Base plate	114 x 102 mm
Orbital frequency no load	26,000 /min
Rated input power	200 W
Output power	80 W
Orbital frequency at rated load	22,000 /min
Orbit diameter	1.4 mm
Weight (without power cable)	1.3 kg
Cable length	2.8 m

### Palm Grip Sander FSR 200 Intec

### Scope of delivery

Order number	600066 <sup>1)</sup>
Hole Punch	■
Dust collection cartridge	■
1 Pleated filter	■
Plastic carry case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- Light and handy machine for convenient one-hand operation
- Very good weight/performance ratio, ideal for working overhead
- Grip area with non-slip soft-grip surface
- Dust-proof ball bearings for long service life of the machine
- Robust clamping system for sanding sheets with or without hook and loop
- Dust cartridge with filter for working without connecting to a vacuum cleaner
- Extraction possibility by means of connecting an all-purpose vacuum cleaner via an adapter (accessory)

### System components

Accessories ▶ 315

Extraction systems ▶ 399



**Technical data**

	<b>Orbital Sander SR 2185</b>	<b>Orbital Sander SRE 3185</b>
Base plate	92 x 184 mm	92 x 184 mm
Orbital frequency no load	22,300 /min	8,800 - 22,300 /min
Rated input power	200 W	200 W
Output power	80 W	80 W
Orbital frequency at rated load	20,400 /min	20,400 /min
Orbit diameter	2 mm	2 mm
Weight (without power cable)	1.5 kg	1.5 kg
Cable length	2.5 m	4 m

**Scope of delivery**

<b>Order number</b>	<b>600441 <sup>1)</sup></b>	<b>600442</b>
Fabric Dust Bag	■	■
Plastic carry case	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Lightweight, handy sander with perfect ergonomics
- Excellent sanding finish without scoring marks and grooves, for a professional surface finish
- Grip area with non-slip soft-grip surface
- Low-vibration working thanks to smooth running operation
- Robust aluminium die cast bearing housing
- Robust clamping system for sanding paper with or without hook and loop
- Easy to empty textile dust bag for working without extraction facilities
- Extraction possibility by means of connecting to an all-purpose vacuum cleaner

**Technical data**

	<b>Orbital Sander SRE 4350 TurboTec</b>	<b>Orbital Sander SRE 4351 TurboTec</b>
Base plate	92 x 184 mm	114 x 229 mm
Orbital frequency with no load	8,400 - 22,000 /min	8,400 - 22,000 /min
Rated input power	350 W	350 W
Output power	180 W	180 W
Orbital frequency at rated load	17,000 /min	17,000 /min
Orbit diameter	2.2 mm	2.2 mm
Weight (without power cable)	2.5 kg	2.7 kg
Cable length	4 m	4 m

**Scope of delivery**

<b>Order number</b>	<b>611350</b>	<b>611351 <sup>1) 2)</sup></b>
Hook and loop base-plate	■	■
removable side handle	■	■
Dust collector cartridge	■	■
1 Pleated filter	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

**Product advantages**

- Excellent sanding finish without scoring marks and grooves, for a professional surface finish
- Oscillating system with paired angular ball bearing for smooth running and minimum vibration
- Robust clamping system for sanding paper with or without hook and loop, as well as sanding media up to 10 mm in thickness
- Ball bearing with multiple sealing and tear-proof rubber sleeve protects the machine against aggressive dust
- Side handle with vibration damping for a comfortable grip in any work position
- TurboBoost: allows additional power reserves to be employed for achieving maximum removal
- Vario (V)-electronics for working at customised speeds to suit various application materials
- Sanding plate with additional lateral extraction channels for cleaner working
- Dust cartridge with filter for working without connecting to a vacuum cleaner
- Extraction possibility by means of connecting to an all-purpose vacuum cleaner

**System components**

Accessories → 315

Extraction systems → 399

**System components**

Accessories → 315

Extraction systems → 399



Technical data	Multi Sander FMS 200 Intec
Base plate	100 x 147 mm
Orbital frequency no load	26,000 /min
Rated input power	200 W
Output power	80 W
Orbital frequency at rated load	22,000 /min
Orbit diameter	1.4 mm
Weight (without power cable)	1.2 kg
Cable length	2.8 m

**Scope of delivery**

Order number	600065
Dust collection cartridge	■
1 Pleated filter	■
Plastic carry case	■

**Product advantages**

- Triangular base plate for sanding edges, corners and surfaces
- Light and handy machine for convenient one-hand operation
- Very good weight/performance ratio for low-fatigue working
- Grip area with non-slip surface
- Dust cartridge with filter for working without connecting to a vacuum cleaner
- Extraction possibility by means of connecting to an all-purpose vacuum cleaner via an adapter (accessory)



Technical data	Triangular Base-plate Sander DSE 300 Intec
Base plate, dimensions from corner to corner	93 mm
Orbital frequency no load	14,000 - 22,000 /min
Orbital frequency at rated load	18,000 /min
Rated input power	300 W
Orbit diameter	1.8 mm
Weight (without power cable)	1.3 kg
Cable length	4 m

**Scope of delivery**

Order number	600311
Hexagonal Wrench	■
Plastic carry case	■

**Product advantages**

- For effective sanding of edges and corners
- Patented, rotating base plate for optimum utilisation of the edges of the sanding paper
- Dust-proof ball bearing for long service life of the machine
- Robust oscillation sleeve and base plate holder made from die-cast aluminium for a long service life
- Vario (V)-electronics for working at customised speeds to suit various application materials.
- Thumbwheel for preselection of the orbital frequency
- Easy change of sanding sheet with hook and loop base-plate
- Dust cartridge with filter for working without connecting to a vacuum cleaner
- Convenient handling thanks to slim design
- Compact design aids access when working in difficult to reach areas
- Extraction possibility by means of connecting to an all-purpose vacuum cleaner via an adapter (accessory)

**System components**

Accessories → 319

Extraction systems → 399

**System components**

Accessories → 320

Extraction systems → 399



Technical data	Belt Sander BAE 75
Torque	12 Nm
Sanding Belt	75 x 533 mm
Sanding belt supporting surface	85 x 150 mm
Belt speed in idle	240 - 450 m/min
Rated input power	1,010 W
Weight (without power cable)	4.9 kg
Cable length	4 m

**Scope of delivery**

Order number	600375
Dust bag	■
Side handle	■
Hexagonal Wrench	■
Suction adapter	■
Length guide	■
Machine stand	■

**Product advantages**

- Excellent sanding results thanks to powerful motor and precise belt path
- Fast and tool-free sanding belt change
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and belt speeds that remain almost constant, even under load
- Thumbwheel for preselection of belt speed
- With antistatic dust bag for working without connecting a vacuum cleaner
- Side handle for ideal machine guidance
- With machine stand for tool-free conversion for stationary use in a matter of seconds
- With length guide for exact guidance of the workpiece in stationary use
- Extraction possibility by means of connecting to an all-purpose vacuum cleaner

**System components**

Accessories → 324

Extraction systems → 399

# ABRASIVE MEDIA: HIGH STOCK REMOVAL AND DURABLE

Proven quality for professional use: for processing surfaces like wood, metal, paint, stone. Also suitable for sanders of all common makes.

## Structure and purpose

### The sanding compound

carries the grains and transfers the chip removal forces. Besides high strength and small expansion, the sanding compound has to render a sanding process matching flexibility

Carriers are

- Highly compressed papers of various thicknesses.
- Fabric based on polyester and cotton of various strengths.
- Vulcanized fibre as a strong and tear-proof base is the base material for the (Vulcan) fibre disc.

### The abrasive grain

is the actual cutting tool. It penetrates the material being processed and removes the surface. The abrasive grain is anchored on to the grain-holding medium. High hardness, toughness and a sharp edged geometry are the most important attributes of the abrasive grain.

Abrasive grain types are

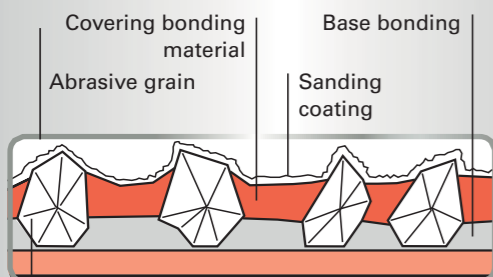
- Corundum (aluminium oxide) as a hard, slightly brittle grain for the processing of metal, wood, varnish...
- Silicon carbide as a hard, sharp-edged abrasive grain for the processing of lacquer, wood, ceramic, glass and rubber...
- Aluminium zirconia as a tough and fine crystalline combination of aluminium oxide and aluminium zircon for the processing of metal and non-rusting materials.

### The bonding agent

anchors the abrasive grain in the sanding compound carrier and supports it against the forces generated by the removal of the surface.

Bonding agents are

- Phenolic resins and partially synthetic resins for sufficient support



Sanding compound carrier: paper, fabric, fibre or a P-F combination

## The quality of Metabo sanding media



e.g. for random orbital sanders:

### Wood + metal »professional«

#### E-paper, pink aluminium oxide, resin bonded

- High-quality sanding paper with high coarseness and high removal of material
- For best results when sanding wood and metal for professional use

#### Application:

For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys



For example, for orbital sanders:

### Wood »classic«

#### A/B paper, normal corundum, resin/glue bond

- High-quality sanding paper with semi-open coarseness

#### Application:

For wood generally, solid wood, veneers, plastic, acrylic glass, lacquer, spatula, fillers, e.g. for deburring, cleaning of plywood, veneer, solid wood, lacquered surfaces, deburring of veneered furniture edges



For example, for triangular base-plate sanders:

### Paint »professional«

#### B/C paper, pink grade corundum, stearate-coated, resin bonded

- High-quality sanding paper with semi-open coarseness and high removal of material
- The special stearate coating ensures a long service life by not clogging the sanding medium

#### Application:

For best results when sanding off paint, lacquer, body-filler on wood or metal on professional application

## Backing Pads and Intermediate Discs


### Hook and loop backing pad

	Diameter mm	Hardness	Version	Suitable for	Order number
	80	Medium-hard	Perforated	SX E 400	624064000*
	122	Medium-hard	Perforated	FSX 200 Intec	625658000*
	122	Medium-hard	Perforated	SX E 125	631224000*
	125	Soft	Perforated	SXE 325 Intec, SX E 425, SXE 425 TurboTec	631220000*
	125	Medium-hard	Perforated	SXE 325 Intec, SX E 425, SXE 425 TurboTec	631219000*
	125	Medium-hard	Perforated	SXE 3125	624739000*
	150	Soft	Perforated (6 holes)	SXE 450 TurboTec	631156000*
	150	Medium-hard	Perforated (6 holes)	SX E 450 Duo	631158000*
	150	Medium-hard	Perforated (6 or 8 holes)	SXE 450 TurboTec	631150000*
	150	Medium-hard	Perforated (6 or 8 holes)	SXE 3150	624740000*

\*Self-service packaging




Backing pad, for self-adhesive sanding discs

- Perforated backing pad, medium-hard version
- For attaching self-adhesive sanding sheets directly on the backing pad

	Diameter mm	Hardness	Version	Suitable for	Order number
	150	medium	Perforated (6 holes)	SX E 450 Duo, SX E 450 TurboTec, SX E 3150	631169000*

Hook and looped intermediate disc


- Hook and loop intermediate disc for particularly soft & delicate working, for sanding of curved surfaces and contours



	Diameter mm	Hardness	Version	Suitable for	Order number
	80	Soft	Perforated	SX E 400	624061000*
	125	Soft	Unperforated	SX E 425, SX E 325 Intec, FSX 200 Intec, SX E 425 TurboTec, SX E 3125	631216000*
	150	Soft	Unperforated	SX E 450 Duo, SX E 450 TurboTec, SX E 3150	624037000*

Cling-fit Sanding Sheets for Disc Sanders

Cling-fit sanding sheets for wood and metal, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material for a homogenous finish
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- e.g. for sanding veneered cabinet fronts and sides, sanding furniture covered with liners with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal




	Diameter mm	Grit	Sales unit	Order number
	Cling-fit sanding sheets Ø 80 mm, 6 holes			
	80	P 40	10	624041000*
	80	P 60	10	624042000*
	80	P 80	10	624043000*
	80	P 100	10	624044000*
	80	P 120	10	624045000*
	80	P 180	10	624046000*
	80	P 240	10	624047000*
	80	P 320	10	624048000*

	Diameter mm	Grit	Sales unit	Order number
	80	P 40	25	624051000
	80	P 60	25	624052000
	80	P 80	25	624053000
	80	P 100	25	624054000
	80	P 120	25	624055000
	80	P 180	25	624056000
	80	P 240	25	624057000
	80	P 320	25	624058000
	80	P 400	25	624059000
	Cling-fit sanding sheets Ø 125 mm, 8 holes			
	125	P 40	5	631226000*
	125	P 60	5	631227000*
	125	P 80	5	631228000*
	125	P 120	5	631229000*
	125	P 180	5	631230000*
	125	P 240	5	631231000*
	125	P 320	5	631236000*
	125	P 40	25	631584000
	125	P 60	25	631585000
	125	P 80	25	631586000
	125	P 120	25	631587000
	125	P 180	25	631588000
	125	P 240	25	631589000
	125	P 320	25	631596000
	125	P 400	25	631597000
	Cling-fit sanding sheets Ø 150 mm, 6 holes			
	150	P 40	5	624001000*
	150	P 60	5	624002000*
	150	P 80	5	624003000*
	150	P 100	5	624004000*
	150	P 120	5	624005000*
	150	P 180	5	624006000*
	150	P 240	5	624007000*
	150	P 320	5	624008000*
	150	P 40	25	624019000
	150	P 60	25	624020000
	150	P 80	25	624021000
	150	P 100	25	624022000
	150	P 120	25	624023000
	150	P 180	25	624024000
	150	P 240	25	624025000
	150	P 320	25	624026000
	150	P 400	25	624027000

\*Self-service packaging

Cling-fit sanding sheets for paints and lacquers, »professional« series





- High-quality sanding paper with semi-open coarseness and high removal of material
- Suitable for working with paints and lacquers of all types and filler compounds
- e.g. for deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

Diameter mm	Grit	Sales unit	Order number
 <b>Cling-fit sanding sheets Ø 80 mm, 6 holes</b>			
80	P 40	25	624081000
80	P 60	25	624082000
80	P 80	25	624083000
80	P 100	25	624084000
80	P 120	25	624085000
80	P 180	25	624086000
80	P 240	25	624087000
80	P 320	25	624088000
80	P 400	25	624089000
 <b>Cling-fit sanding sheets Ø 125 mm, 8 holes</b>			
125	P 40	25	625726000
125	P 60	25	625727000
125	P 80	25	625728000
125	P 100	25	625729000
125	P 120	25	625730000
125	P 180	25	625731000
125	P 240	25	625732000
125	P 320	25	625733000
125	P 400	25	625734000
 <b>Cling-fit sanding sheets Ø 150 mm, 6 holes</b>			
150	P 40	25	624028000
150	P 60	25	624029000
150	P 80	25	624030000
150	P 100	25	624031000
150	P 120	25	624032000
150	P 180	25	624033000
150	P 240	25	624034000
150	P 320	25	624035000
150	P 400	25	624036000

Sanding Sheet Assortments

Assortment of sanding sheets for wood and metal, »professional« series

- Corundum
- For wood, metal and painted wsurfaces

	Order number	
	624060000	<b>25 Cling-fit sanding sheets</b> Assortment (10 x P 60, 10 x P 80, 5 x P 120) Diameter: 80 mm Type: perforated (6 holes) Sales unit: 25
	631232000*	<b>6 cling-fit sanding sheets</b> Assortment (2 x P 60, 2 x P 120, 2 x P 240) Diameter: 125 mm Type: perforated (8 holes) Sales unit: 6
	631583000	<b>25 Cling-fit sanding sheets</b> Assortment (10 x P 60, 10 x P 80, 5 x P 120) Diameter: 125 mm Type: perforated (8 holes) Sales unit: 25
	624066000*	<b>25 Cling-fit sanding sheets</b> Assortment (10 x P 60, 10 x P 80, 5 x P 120) Diameter: 150 mm Type: perforated (6 holes) Sales unit: 25

\*Self-service packaging

Additional Accessories for Disc Sanders

Cling-fit polishing sponges



- For high-gloss polishing of slightly soiled, scratched surfaces. For use with polish on curved and even surfaces.

Diameter mm	Thickness mm	Sales unit	Order number
80	20	1	624092000*
130	20	1	631222000*
160	20	1	631233000*

Cling-fit lambs fleece polishing discs



- For high-gloss polishing

Diameter mm	Sales unit	Order number
85	1	624063000*
130	1	631223000*
150	1	631217000*

Cling-fit polishing felt, hard



- For polishing paintwork, non-ferrous metals, and steel sheets

Diameter mm	Thickness mm	Sales unit	Order number
130	5	1	631242000*
150	5	1	631168000*

Cling-fit Abrasive Nylon Web



- For roughing, cleaning, scouring etc.

Diameter mm	Grit	Sales unit	Order number
80	P 100	2	624067000*
80	P 280	2	624068000*
125	P 100	1	631238000*
125	P 280	1	631239000*
150	P 100	1	624038000*
150	P 280	1	624039000*

Sanding Sheets for Orbital Sanders

Sanding sheets wood and metal, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- e.g. for sanding veneered cabinet fronts and sides, sanding furniture covered with liners with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal




Dimensions mm	Grit	Sales unit	Order number
<b>Hook and looped sanding sheets 93 x 185 mm, 8 holes, with hook and loop</b>			
93 x 185	P 40	10	625765000*
93 x 185	P 60	10	625766000*
93 x 185	P 80	10	625767000*
93 x 185	P 100	10	625768000*
93 x 185	P 120	10	625769000*
93 x 185	P 180	10	625770000*
93 x 185	P 240	10	625771000*
<b>Sanding sheets 93 x 230 mm, 8 holes, for clamping</b>			
93 x 230	P 40	10	624480000*
93 x 230	P 60	10	624481000*
93 x 230	P 80	10	624482000*
93 x 230	P 100	10	624483000*
93 x 230	P 120	10	624484000*
93 x 230	P 180	10	624485000*
93 x 230	P 240	10	624486000*
<b>Hook and loop sanding sheets 103 x 115 mm, 6 holes, with hook and loop</b>			
103 x 115	P 40	10	625619000*
103 x 115	P 60	10	625620000*
103 x 115	P 80	10	625621000*
103 x 115	P 100	10	625622000*
103 x 115	P 120	10	625623000*
103 x 115	P 180	10	625624000*
103 x 115	P 240	10	625625000*
<b>Hook and looped sanding sheets 115 x 230 mm, 14 holes, with hook and loop</b>			
115 x 230	P 40	10	625786000*
115 x 230	P 60	10	625787000*
115 x 230	P 80	10	625788000*
115 x 230	P 100	10	625789000*
115 x 230	P 120	10	625790000*
115 x 230	P 180	10	625791000*
115 x 230	P 240	10	625792000*
115 x 230	P 320	10	625793000*
<b>Sanding sheets 115 x 280 mm, 14 holes, for clamping</b>			
115 x 280	P 40	10	624491000*
115 x 280	P 60	10	624492000*
115 x 280	P 80	10	624493000*
115 x 280	P 100	10	624494000*

\*Self-service packaging

	Dimensions mm	Grit	Sales unit	Order number
	115 x 280	P 120	10	624495000*
	115 x 280	P 180	10	624496000*
	115 x 280	P 240	10	624497000*

## Sanding Sheet Assortments

### Assortment of sanding sheets for wood and metal, »professional« series

		Order number
	<b>10 Sanding sheets</b> Assortment (2 each of P 40, P 80, P 120, P 180 and P 240) Dimensions: 93 x 230 mm Type: perforated (8 holes)	624490000*
	<b>10 Cling-fit sanding sheets</b> Assortment (2 each of P 40, P 80, P 120, P 180 and P 240) Dimensions: 93 x 185 mm Type: perforated (8 holes)	625774000*
	<b>10 Cling-fit sanding sheets</b> Assortment (2 each of P 40, P 80, P 120, P 180 and P 240) Dimensions: 115 x 230 mm Type: perforated (14 holes)	625795000*


### Sanding sheets for wood, »classic« series

- High-quality sanding paper with semi-open coarseness
- For all woods, solid wood, veneers, plastics, acrylics, lacquers, putty, filling compounds
- e.g. for deburring, cleaning plywood, veneers, solid woods, and lacquers, deburring furniture veneer

	Dimensions mm	Grit	Sales unit	Order number
	<b>Sanding sheets 93 x 230 mm, 8 holes, for clamping</b>			
	93 x 230	P 40	10	624826000*
	93 x 230	P 60	10	624827000*
	93 x 230	P 80	10	624828000*
	93 x 230	P 100	10	624829000*
	93 x 230	P 120	10	624830000*
	93 x 230	P 180	10	624831000*
	93 x 230	P 240	10	624832000*

### Sanding sheets for paints and lacquers, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material
- Suitable for working with paints and lacquers of all types and filler compounds
- e.g. for deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

	Dimensions mm	Grit	Sales unit	Order number
	<b>Cling-fit sanding sheets 93 x 185 mm, 8 holes, with hook and loop</b>			
	93 x 185	P 40	25	625881000
	93 x 185	P 60	25	625882000
	93 x 185	P 80	25	625883000
	93 x 185	P 100	25	625884000
	93 x 185	P 120	25	625885000

	Dimensions mm	Grit	Sales unit	Order number
	93 x 185	P 180	25	625886000
	93 x 185	P 240	25	625887000
	93 x 185	P 320	25	625888000



Hook and loop sanding sheets 103 x 115 mm, 6 holes, with hook and loop

	103 x 115	P 40	10	625639000*
	103 x 115	P 80	10	625641000*
	103 x 115	P 100	10	625642000*
	103 x 115	P 120	10	625643000*
	103 x 115	P 180	10	625644000*
	103 x 115	P 240	10	625645000*
	103 x 115	P 320	10	625646000*



Hook and loop sanding sheets 115 x 230 mm, 14 holes, with hook and loop

	115 x 230	P 40	25	625891000
	115 x 230	P 60	25	625892000
	115 x 230	P 80	25	625893000
	115 x 230	P 100	25	625894000
	115 x 230	P 120	25	625895000
	115 x 230	P 180	25	625896000
	115 x 230	P 240	25	625897000
	115 x 230	P 320	25	625898000

## Nylon Webs



- Suitable for sanding, roughing, cleaning, degreasing and matting of wooden materials, paints, lacquers and metals, as well as to produce decorative surfaces.

Dimensions mm	Grit	Sales unit	Order number
93 x 250	Coarse	5	624723000*
93 x 250	medium	5	624722000*
93 x 250	Very fine	5	624721000*
115 x 295	Coarse	5	624727000*
115 x 295	medium	5	624726000*
115 x 295	Very fine	5	624725000*

## Abrasive Mesh









- Particularly suited for sanding gypsum and plasterboard.


Dimensions mm	Grit	Sales Unit	Order number
93 x 250	P 120	5	624724000*
115 x 295	P 120	5	624728000*

\*Self-service packaging

Additional Accessories for Sanders

Perforated hook and loop base plates		Order number
	<b>Base plate</b> ■ Perforated, hook and loop sanding plate for SR 2185 / SRE 3185 (as spare) Length: 184 mm Width: 92 mm	624729000*
	<b>Base plate</b> ■ The base plate of orbital sanders Sr 356/Sr E 357 can be replaced by the hook and loop base-plate Length: 190 mm Width: 92 mm	624736000*
	<b>Base plate</b> ■ Perforated, hook and loop sanding plate for SRE 4351 TurboTec (as spare) Length: 230 mm Width: 112 mm	624737000*
	<b>Base plate</b> ■ Perforated, hook and loop sanding plate for SRE 4350 TurboTec (as spare) Length: 185 mm Width: 93 mm	624738000*
	<b>Base plate</b> ■ The base-plate of orbital sanders Sr 358/Sr E 359 can be replaced by the hook and loop base-plate Length: 236 mm Width: 112 mm	624749000*
	<b>Sanding plate, perforated</b> ■ Perforated, hook and loop sanding plate FSR 200 Intec (as spare) Length: 114 mm Width: 112 mm	625657000*

Sanding Base Plates with Hook and Loop

	Order number
 <b>Sanding plate, perforated</b> Sanding plate for FMS 200 Intec (as spare) Dimensions: 147 x 100 mm	625600000*

Cling-fit Sanding Sheets for Multi Sanders


Cling-fit sanding sheets for wood, »classic« series

- High-quality sanding paper with semi-open coarseness
- For all woods, solid wood, veneers, plastics, acrylics, lacquers, putty, filling compounds
- e.g. for deburring, cleaning plywood, veneers, solid woods, and lacquers, deburring furniture veneer

Dimensions mm	Grit	Sales unit	Order number
 Cling-fit sanding sheets 100 x 150 mm, 11 holes, 2 pieces			
100 x 150	P 40	10	625603000*
100 x 150	P 60	10	625604000*
100 x 150	P 80	10	625605000*
100 x 150	P 100	10	625606000*
100 x 150	P 120	10	625607000*
100 x 150	P 180	10	625608000*
100 x 150	P 240	10	625609000*
Assortment (2 each of P 60, P 80, P 120, P 180 and P 240)			625610000*

Cling-fit sanding sheets for paints and lacquers, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material
- Suitable for working with paints and lacquers of all types and filler compounds
- e.g. for deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

Dimensions mm	Grit	Sales unit	Order number
 Cling-fit sanding sheets 100 x 150 mm, 11 holes, 2 pieces			
100 x 150	P 40	10	625611000*
100 x 150	P 60	10	625612000*
100 x 150	P 80	10	625613000*
100 x 150	P 100	10	625614000*
100 x 150	P 120	10	625615000*
100 x 150	P 180	10	625616000*
100 x 150	P 240	10	625617000*
Assortment (2 each of P 40, P 80, P 120, P 180 and P 240)			625618000*



\*Self-service packaging

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Base-plates

Perforated hook and loop base plates

	Order number
 <p><b>Perforated hook and loop base-plate</b> For the triangular base-plate sanders DS E 170 and DS E 180 (as spare) Dimension from corner to corner: 93 mm</p>	624970000*
 <p><b>Perforated hook and loop base-plate</b> For the triangular base-plate sanders DSE 280, DSE 300 and DSE 300 Intec (as spare) Dimension from corner to corner: 90 mm</p>	624992000*

Special Lamellar Base-plate

	Order number
 <p><b>Special Lamellar Base-plate</b> For triangular base-plate sander DSE 170/ 180/ 280/300. Hook and looped at the bottom side. The self-adhesive hook and loop liner supplied can be fitted to the top of this base-plate so that cling-fit sanding sheets can be fitted for top and bottom sanding of louvres.</p>	624971000*


Self-adhesive hook and loop liner


	Order number
<p><b>Self-adhesive Liner</b> Self-adhesive hook and loop liner (as spare for special louvre base-plate 624971000)</p>	624972000*

Cling-fit Sanding Sheets for Triangular Base Plate Sanders and Multi-tool

Cling-fit sanding sheets for wood and metal, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material for a homogeneous finish
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- e.g. for sanding veneered cabinet fronts and sides, sanding furniture covered with liners with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal

	Dimensions mm	Grit	Sales unit	Order number
 <p>Cling-fit sanding sheets 93 x 93 mm, 6 holes</p>	93 x 93	P 40	5	624940000*
	93 x 93	P 60	5	624941000*
	93 x 93	P 80	5	624942000*
	93 x 93	P 100	5	624943000*
	93 x 93	P 120	5	624944000*
	93 x 93	P 180	5	624945000*
	93 x 93	P 240	5	624946000*
	93 x 93	P 320	5	624947000*
	93 x 93	P 40	25	624980000
	93 x 93	P 60	25	624981000
	93 x 93	P 80	25	624982000
	93 x 93	P 100	25	624983000
	93 x 93	P 120	25	624984000

	Dimensions mm	Grit	Sales unit	Order number
	93 x 93	P 180	25	624985000
	93 x 93	P 240	25	624986000
	93 x 93	P 320	25	624987000
	Assortment (10 x P 60, 10 x P 80, 5 x P 120)			624988000

Cling-fit sanding sheets for paints and lacquers, »professional« series

- High-quality sanding paper with semi-open coarseness and high removal of material
- Suitable for working with paints and lacquers of all types and filler compounds
- e.g. for deburring, cleaning veneers, solid woods, plywood, and lacquers, deburring furniture veneer

	Dimensions mm	Grit	Sales unit	Order number
 <p>Cling-fit sanding sheets 93 x 93 mm, 6 holes</p>	93 x 93	P 40	25	625681000
	93 x 93	P 60	25	625682000
	93 x 93	P 80	25	625683000
	93 x 93	P 100	25	625684000
	93 x 93	P 120	25	625685000
	93 x 93	P 180	25	625686000
	93 x 93	P 240	25	625687000
	93 x 93	P 320	25	625688000



Cling-fit Abrasive Nylon Web, Corundum Abrasive









- Used for structuring wood (applying a rustic appearance), for removing rust from metal and for sanding paints (tarnishing)








Grit	Order number
P 100	624958000*
P 280	624959000*

Accessories for Dust Extraction

	Order number
<p><b>10 Dust filters</b> For the dust collector cartridge 624993000 of the DSE 300 Intec and the DSE 280 Intec</p>	624995000*
 <p><b>Extraction nozzle</b> ■ For external extraction for the DSE 300/ DSE 300 Intec and the DSE 280 Intec</p>	624994000*
 <p><b>Adapter 30/35 mm</b> ■ For connecting the suction hose with connector Ø 35 mm to an extraction nozzle Ø 30 mm</p>	624996000

\*Self-service packaging

Dust Bag Holder		Order number
	<b>Dust bag holder, complete</b> As spare, with 1 dust bag Suitable for orbital sanders/multi-sanders: Sr 356, Sr E 357, Sr 358, Sr E 359 Suitable for random orbital sanders: SX E 425, SX E 425 XL, SX E 450 Duo	631289000*
Dust bags (paper)		Order number
	<b>Dust Bag</b> Without dust bag holder 631385000, as spare, pack of 5 Suitable for orbital sanders/multi-sanders: Sr 226, Sr E 227, Sr 216, Sr E 217, Sr 326, Sr E 327, Sr 328, Sr E 329 Suitable for random orbital sanders: SX E 125	631286000*
	<b>Dust Bag</b> Without dust bag holder 631289000, as spare, pack of 5 Suitable for orbital sanders/multi-sanders: Sr 356, Sr E 357, Sr 358, Sr E 359 Suitable for random orbital sanders: SX E 425, SX E 425 XL, SX E 450 Duo	631288000*
Dust Bag		Order number
	<b>Cloth dust bag</b> With connector, for the Metabo orbital sanders with dust extraction. Can be used in place of the dust bag holder supplied Suitable for orbital sanders/multi-sanders: Sr 226, Sr E 227, Sr 216, Sr E 217, Sr 326, Sr E 327, Sr 328, Sr E 329 Suitable for random orbital sanders: SX E 125	631235000*
	<b>Fabric Dust Bag</b> suitable for orbital sander / multi-sander: SR 2185, SRE 3185 suitable for random orbital sanders: SXE 3125, SXE 3150	631287000*
	<b>Cloth dust bag</b> Can be used in the dust bag holder (631288000) instead of the paper dust bag provided (631289000) Suitable for orbital sanders/multi-sanders: Sr 356, Sr E 357, Sr 358, Sr E 359 Suitable for random orbital sanders: SX E 425, SX E 425 XL, SX E 450 Duo	631758000*

Dust collector cartridge		Order number
	<b>Dust collector cartridge</b> With pleated filter 631980000, can be cleaned several times Suitable for orbital sanders/multi-sanders: SRE 4350 TurboTec, SRE 4351 TurboTec	625598000*
	<b>Dust collector cartridge</b> With pleated filter 631980000, can be cleaned several times Suitable for random orbital sanders: SXE 425 TurboTec, SXE 450 TurboTec	625599000*
	<b>Dust collector cartridge</b> Dust collector cartridge including dust filter 625602000 Suitable for orbital sanders/multi-sanders: FMS 200 Intec, FSR 200 Intec Suitable for random orbital sanders: FSX 200 Intec	625601000*
	<b>Dust collector cartridge</b> With pleated filter 631980000, can be cleaned several times Included in scope of delivery for SR 10-23 Intec / SXE 325 Intec Suitable for orbital sanders/multi-sanders: SR 10-23, SR 10-23 Intec, SR 20-23, SR 180 suitable for random orbital sander: SXE 325 Intec	631981000
Pleated filter		Order number
	<b>Pleated filter</b> Pleated filter, polyester, for dust collector cartridge 625601000 Suitable for orbital sanders/multi-sanders: FMS 200 Intec, FSR 200 Intec Suitable for random orbital sanders: FSX 200 Intec	625602000*
	<b>Pleated Filter</b> Polyester (as spare), for the dust collector cartridges 631981000, 625599000, 625598000 Suitable for orbital sanders/multi-sanders: SR 10-23, SR 10-23 Intec, SR 20-23, SRE 4350 TurboTec, SRE 4351 TurboTec, SR 180 Suitable for random orbital sanders: SXE 425 TurboTec, SXE 450 TurboTec	631980000
Connector		Order number
	<b>Connector</b> ■ Connector Ø 35 mm for connecting to a normal vacuum cleaner Suitable for orbital sanders/multi-sanders: FMS 200 Intec, FSR 200 Intec Suitable for random orbital sanders: FSX 200 Intec	626996000*



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\*Self-service packaging

### Abrasive Belts for Belt Sanders

Sanding belts for wood and metal, »professional« series

- High-quality sanding paper with high coarseness and high removal of material
- For veneers, solid wood, polyester, steel and stainless steel sheets, non-ferrous metals, light alloys
- e.g. for sanding veneered cabinet fronts and sides, sanding furniture covered with liners with hot-melt type adhesive edges, decorative sanding of stainless steel sheets, sanding-based repair work, and deburring cut sheet metal


	Dimensions mm	Grit	Sales unit	Order number
<b>Sanding belts 75 x 533 mm</b>				
	75 x 533	P 40	3	631001000*
	75 x 533	P 60	3	631002000*
	75 x 533	P 80	3	631003000*
	75 x 533	P 100	3	631004000*
	75 x 533	P 120	3	631005000*
	75 x 533	P 180	3	631006000*
	75 x 533	P 240	3	631007000*
	75 x 533	P 320	3	631008000*
	75 x 533	P 40	10	625929000
	75 x 533	P 60	10	625930000
	75 x 533	P 80	10	625931000
	75 x 533	P 100	10	625932000
	75 x 533	P 120	10	625933000
<b>Sanding belts 75 x 575 mm</b>				
	75 x 575	P 40	3	625940000*
	75 x 575	P 60	3	625941000*
	75 x 575	P 80	3	625942000*
	75 x 575	P 100	3	625943000*
	75 x 575	P 120	3	625944000*

### Sanding Belt Assortment

Assortment of sanding belts for wood and metal, »professional« series

	Order number
 <b>3 Sanding belts</b> Assortment (1 each of P60, P80, P100) Dimensions: 75 x 533 mm	625928000*

### Additional Accessories for Belt Sanders

	Order number
<b>Bases for Sanding Belt</b> Made from graphite-coated fabric; suitable for Ba E 1075 Sales unit: 2	631034000
<b>Base for Sanding Belt</b> Comprising: spring sheet-steel with cork lining for rough sanding work with rapid material removal; suitable for Ba E 1075 Sales unit: 1	631037000
 <b>Bases for Sanding Belt</b> Made from graphite-coated fabric; granular version; Dimensions 84 x 160 mm; suitable for BAE 75 Sales unit: 2	631114000*

\*Self-service packaging

## LONG-NECK SANDERS: LIGHT, ADAPTABLE, PRACTICAL

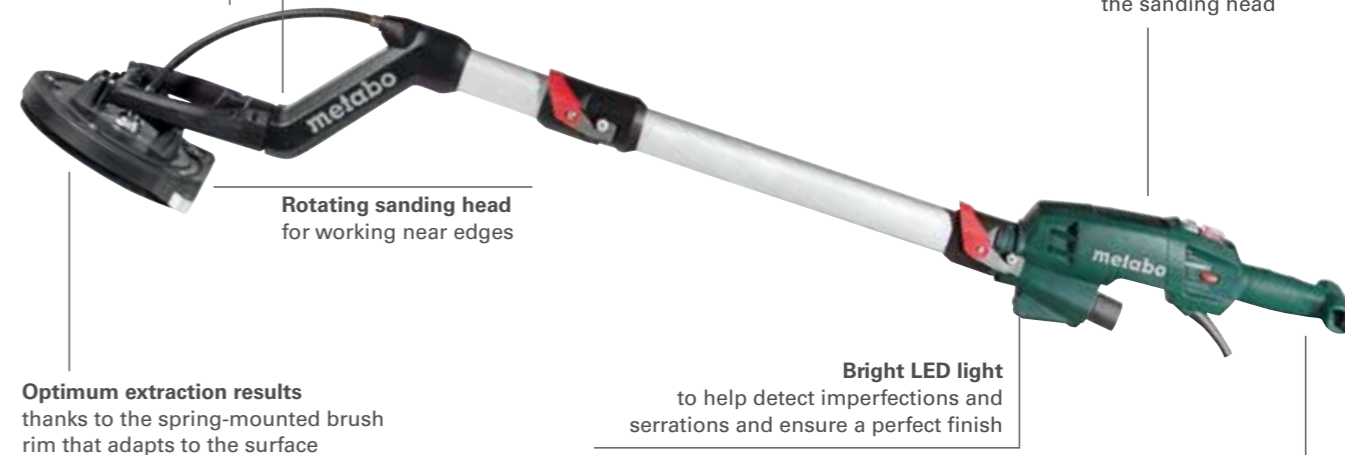
Faster, more adaptable, cleaner: needs voiced by pros when sanding walls and ceilings. Whether sanding close to edges or the need for optimal extraction – our new long-neck sanders fulfil all the desired criteria with distinction so that you can easily achieve your goal: precise surface finishing! In the system combination with the vacuum cleaners ASR 35 L, M or H ACP and the matching sanding media, optimum work results and maximum productivity are achieved.

**Replaceable shaft**  
If needed, easy, fast and tool-free change directly on site

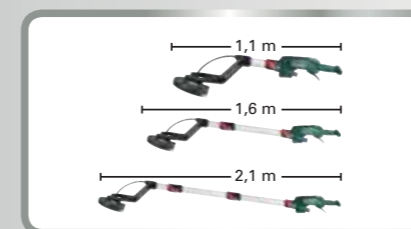


**M-Clean-Technology**  
Effective extraction through the machine housing for maximum flexibility of the sanding head

**Optimum balance**  
when working, as the centre of gravity of the machine is not at the sanding head



LSV 5-225 Comfort



**Variable length adjustment (LSV 5-225 Comfort):**  
can be shortened or extended quickly and easily for narrow rooms or high rooms (extension 626665000 available as accessories)



The LSV 5-225 is a lightweight at only 3.8 kg.



**Maximum productivity**  
with the right system in combination with the ASR 35 L ACP or ASR 35 M ACP vacuum cleaner with automatic filter cleaning and grinding media from the extensive range of accessories



Technical data	Long-neck Sander LSV 5-225	Long-neck Sander LSV 5-225 Comfort
Sanding disc diameter	225 mm	225 mm
No-load speed	1,000 - 1,650 /min	1,000 - 1,650 /min
Rated input power	500 W	500 W
Output Power	270 W	270 W
Adjustable machine length	1.6 m	1.1 m/1.6 m/2.1 m
Weight (without power cable)	3.8 kg	4.5 kg
Cable length	4 m	4 m

Scope of delivery	600103	600136
Order number	600103	600136
Sanding pad (very soft)	■	■
Cling-fit sanding sheets with multi-perforation (1 each of P80, P100, P120, P150)	■	■
Flexible shaft (as replacement)	■	■
Coupling bush	■	■
Hexagonal Wrench	■	■
Plastic carry case	■	■
Tool bag	■	■

- Product advantages**
- Low weight reduces fatigue when working continuously
  - Variable length adjustment: can be shortened or extended quickly and easily. Ideal for narrow rooms or high ceiling rooms
  - Extension for overall length of 2.1 m available as accessory
  - Optional LED light to help detect imperfections and serrations and ensure a perfect finish.
  - For convenient sanding of primed surfaces on walls or ceilings
  - Optimum balance when working, as the centre of gravity of the machine is not at the sanding head
  - M-Clean technology: Effective extraction through the machine housing for maximum flexibility of the sanding head
  - Sanding near edges, corners and adjoining sections - time-saving and effective
  - Ideal adaptation of the flexible sanding head to the surface for good work results
  - Optimum extraction results thanks to spring-mounted brush rim that adapts to the surface
  - Vario-Constamatic (VC)-Full wave electronics for working with customised speeds for the materials used that remain almost constant under load
  - Ergonomically shaped aluminium handle bar and T-handle for comfortable use in different positions
  - Simple, quick and tool-free exchangeable shaft can be adjusted directly on site if needed
  - Putting the machine down without kinking the hose and cable
  - With extensive range of grinding media for every application
  - Extraction possibility by means of connecting to an all-purpose vacuum cleaner

## WHICH SANDING MEDIA FOR WHICH APPLICATION?

	Cling-fit sanding sheets, »professional«, multi-perforation	Cling-fit sanding sheets, »professional«, stearate coated	Abrasive mesh	Cling-fit sanding sheets, »professional«, SiC	Nylon web	Sanding pad, soft, Ø 225 mm order no. 626662000	Sanding pad, hard, Ø 225 mm order no. 626661000
<b>Area of application</b>							
<b>Sanding of compound seams</b>	■	■	■			■	■
<b>Sand full-surface filled areas</b>	P40 - P120	P40 - P120	P80 - P100			for soft filler compound	for hard filler compound
<b>Surface fine polish (high-quality reworking)</b>	P180 - P220	P180 - P220				■	■
<b>Removal of wall paper residue</b>	P100 - P180	P100 - P180	P100			■	■
<b>Spot sanding / sanding of old paint layers</b>	P40 - P100	P40 - P100	P80 - P100				■
<b>Spot sanding of base coat</b>	P80 - P100	P80 - P100	P80				
<b>Spot sanding of insulation boards (e.g. Styrofoam)/ joints</b>				■			■
<b>Spot sanding of surfaces with wallpaper (woodchip)</b>				■			■
<b>Spot sanding of old paint layers prior to applying a new layer</b>					■	■	■

□ Well suited ■ Highly suitable

### Sanding Sheets for Long-neck Sanders

#### Cling-fit sanding sheets, »professional« series



- High-quality silicone carbide sanding paper for spot sanding and roughing of surfaces such as styrofoam boards for thermal insulation, as well as for woodchip for faster absorption of liquids when removing wallpaper.

Diameter mm	Grit	Sales unit	Order number
225	P 16	10	626640000*

#### Cling-fit sanding sheets for filler, paints and lacquers, »professional« series



- High-quality sanding paper with very open coarseness and high removal of material. From grain 150 stearate-coated
- Especially for processing fillings in drywall construction, and for paint, varnish.

Diameter mm	Grit	Sales Unit	Order number
225	P 40	25	626641000*
225	P 60	25	626642000*
225	P 80	25	626643000*
225	P 100	25	626644000*
225	P 120	25	626645000*
225	P 150	25	626646000*
225	P 180	25	626647000*
225	P 220	25	626648000*

#### Cling-fit sanding sheets with multi-perforation for filler, paints and lacquers, »professional« series



- High-quality sanding paper, full-surface perforated, with high removal of material
- Particularly effective extraction thanks to the full-surface perforation and special hook and loop layer for low-dust working
- Minimized clogging of the grinding media, providing greater material removal and longer tool life
- Especially for processing fillings in drywall construction, and for paint, varnish.

Diameter mm	Grit	Sales unit	Order number
225	P 40	25	626649000
225	P 60	25	626650000
225	P 80	25	626651000
225	P 100	25	626652000
225	P 120	25	626653000
225	P 150	25	626654000
225	P 180	25	626655000
225	P 220	25	626656000

### Nylon Webs for Long-neck Sanders



- Suitable for spot-grinding, roughening, degreasing and matting of surfaces
- Particularly suited for spot sanding of glazed wooden surfaces e.g. glazed slot and spring board connections.

Diameter mm	Grit	Sales unit	Order number
225	A 100	10	626659000
225	A 280	10	626660000


### Abrasive Mesh for Long-neck Sanders





- Especially for processing fillings in drywall construction
- Suitable for pliable areas that are not yet completely set.


Diameter mm	Grit	Sales unit	Order number
225	P 80	25	626657000*
225	P 100	25	626658000*

### Further Accessories for Long-neck Sanders

	Order number
 <p><b>Sanding pad</b></p> <ul style="list-style-type: none"> <li>■ Particularly suited for high material removal.</li> </ul> <p>Diameter: 225 mm Hardness: hard Type: perforated (18 holes) suitable for: LSV 5-225 Comfort, LSV 5-225</p>	626661000*

 <p><b>Sanding pad</b></p> <ul style="list-style-type: none"> <li>■ Very soft, flexible sanding pad, particularly suited for curved, uneven surfaces</li> <li>■ Standard version of the long-neck sander</li> </ul> <p>Diameter: 225 mm Hardness: very soft Type: perforated (18 holes) suitable for: LSV 5-225 Comfort, LSV 5-225</p>	626662000*
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 <p><b>Replacement brush rim</b></p> <ul style="list-style-type: none"> <li>■ Replacement brush rim long-neck sander</li> </ul> <p>suitable for: LSV 5-225 Comfort, LSV 5-225</p>	626663000
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 <p><b>Flexible shaft LSV 5-225</b></p> <ul style="list-style-type: none"> <li>■ Replacement shaft as contained in the scope of delivery</li> <li>■ Simple, quick and tool-free exchangeable shaft undertaken directly on site if needed</li> </ul> <p>suitable for: LSV 5-225 Comfort, LSV 5-225</p>	626664000*
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 <p><b>Extension</b></p> <ul style="list-style-type: none"> <li>■ Permits a machine length of 2.1 m</li> <li>■ Easy and safe storage in the machine case</li> <li>■ Length: 550 mm</li> </ul> <p>suitable for: LSV 5-225 Comfort</p>	626665000*
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\*Self-service packaging



#### Technical data

#### Router and Grinder Motor FME 737

No-load speed	13,000 - 34,000 /min
Rated input power	710 W
Output power	430 W
Revolutions at rated load	24,000 /min
Collet chuck bore	8 mm
Weight (without power cable)	1.4 kg
Cable length	4 m

#### Scope of delivery

Order number	600737
2 open-jawed spanners	■

#### Product advantages

- Hardened and ground interchangeable collet chuck for precise concentricity of tools
- Metabo Marathon motor with patented dust protection for long service life
- Vario-Constamatic (VC)-Full wave electronics for working at customised speeds to suit the materials used, and speeds that remain almost constant even under load
- Thumbwheel for speed preselection
- Electronic overload protection for long service life
- Restart protection: prevents unintentional start-up after power supply interruption
- Electronic safety shutdown of the motor for safe working in case the tool stops unexpectedly
- Auto-stop carbon brushes to protect the motor
- Motor can be upgraded to a router using the router attachment (accessory)
- Suitable for actuating flexible shafts

#### System components

Accessories → 332

Extraction systems → 399



#### Technical data

#### Router OFE 738

Maximum stroke height	50 mm
No-load speed	13,000 - 34,000 /min
Rated input power	710 W
Output power	430 W
Revolutions at rated load	24,000 /min
Collet chuck bore	8 mm
Weight (without power cable)	3 kg
Cable length	4 m

#### Scope of delivery

Order number	600738
Parallel guide / ripping fence	■
Extraction connector	■
Open-jawed spanner	■

#### Product advantages

- Robust and torsion-resistant 2-column guide for highest precision
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Spindle lock for easy router bit change
- Metabo Marathon motor with patented dust protection for long service life
- Vario-Constamatic (VC)-Full wave electronics for working at customised speeds to suit the application materials, and speeds that remain almost constant even under load
- Thumbwheel for Speed Preselection
- Restart protection: prevents unintentional start-up after power cut
- Electronic safety shutdown of the motor if the tool jams for safe working
- Aluminium die cast base plate with coating for easy sliding
- Auto-stop carbon brushes to protect the motor
- Can also be used on the guide track using an intermediate plate (accessory)
- Bayonet fitting of the motor in milling attachment; suitable for use with flexible shafts
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

#### Technical data

Maximum stroke height	50 mm
No-load speed	5,000 - 25,500 /min
Rated input power	1,200 W
Output power	780 W
Revolutions at rated load	25,500 /min
Collet chuck bore	8 mm
Weight (without power cable)	3.5 kg
Cable length	4 m

#### Scope of delivery

Order number	601229
Fine adjustment parallel guide/ripping fence	■
Dial gauge for fine adjustment	■
Extraction connector	■
Open-jawed spanner	■

#### Product advantages

- Dial gauge for fine tuning the moulding/routing depth with 0.1 mm precision
- Three-level stop to preselect up to 3 different moulding/routing depths
- Robust and torsion-resistant 2-column guide for highest precision
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Spindle lock for easy router bit change
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Thumbwheel for speed preselection
- Overload protection: protects the motor from overheating
- Aluminium die cast base plate with coating for easy sliding
- Auto-stop carbon brushes to protect the motor
- Precise parallel guide/ripping fence guided in prisms with fine adjustment for precise milling
- Can also be used on the guide track using an intermediate plate (accessory)
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

#### System components

Accessories → 332

Extraction systems → 399



#### Technical data

#### Router Of E 1229 Signal

Maximum stroke height	50 mm
No-load speed	5,000 - 25,500 /min
Rated input power	1,200 W
Output power	780 W
Revolutions at rated load	25,500 /min
Collet chuck bore	8 mm
Weight (without power cable)	3.5 kg
Cable length	4 m

#### Scope of delivery

Order number	601229
Fine adjustment parallel guide/ripping fence	■
Dial gauge for fine adjustment	■
Extraction connector	■
Open-jawed spanner	■

#### Product advantages

- Dial gauge for fine tuning the moulding/routing depth with 0.1 mm precision
- Three-level stop to preselect up to 3 different moulding/routing depths
- Robust and torsion-resistant 2-column guide for highest precision
- Hardened and ground interchangeable collect chuck for precise concentricity of tools
- Spindle lock for easy router bit change
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Thumbwheel for speed preselection
- Overload protection: protects the motor from overheating
- Aluminium die cast base plate with coating for easy sliding
- Auto-stop carbon brushes to protect the motor
- Precise parallel guide/ripping fence guided in prisms with fine adjustment for precise milling
- Can also be used on the guide track using an intermediate plate (accessory)
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

#### System components

Accessories → 332

Extraction systems → 399

Collets

for OFE 738, Of E 1229 Signal, FME 737








Collet Bore	Version	Order number
3 mm	hexagon	631947000*
1/8" (3.18 mm)	hexagon	631948000*
6 mm	hexagon	631945000*
6 mm	double flat	630820000
8 mm	hexagon	631946000*

For Of E 1812



Collet Bore	Version	Order number
8 mm	hexagon	631567000

Accessories for Routers OFE 738 and Of E 1229 Signal

	Order number
 <p><b>Parallel guide</b>                      ■ Parallel guide with fine adjustment for routers OFE 738 and Of E 1229 Signal (supplied as standard)</p>	631507000
 <p><b>Guide with guide roller</b>                      ■ For fitting on the parallel guide/ripping fence of routers OFE 738 and Of E 1229 Signal, for moulding/routing curved edges</p>	630360000
 <p><b>Circle-cutting Centering Pin</b>                      ■ For using in the parallel guide/ripping fence of routers OFE 738 and Of E 1229 Signal, for milling circular grooves and similar work</p>	631504000
 <p><b>Intermediate Plate</b>                      ■ For fixing on the base plate of routers OFE 738 and Of E 1229 Signal, especially suited for trimming edging strips flush with edges</p>	631503000
 <p><b>Circle-cutting Guide</b>                      ■ For cutting out round openings, moulding/routing circular grooves, rounding off corners, etc., maximum circle diameter 350 mm</p>	631505000

Template followers



- For engraving text etc. using a template clamped on to the workpiece

Diameter mm	Order number
9	630105000
11	630106000
17	630118000
24	630119000
27	630120000
30	630121000

Precision Guide Rail



Precision Guide Rail

- Guide rail made of sturdy, anodised aluminium extrusion
- Anti-slip backing provides safe and reliable support and protects the work piece surface against scratches
- Guide rule, adjustable to eliminate play suitable for: Metabo jigsaws, circular saws and router models OFE 738 and Of E 1229 Signal (when using the appropriate accessories; KS 55 FS, KSE 55 Vario Plus, KS 66 Plus, KSE 68 Plus can be used directly); also suitable for the CED 125 Plus cutting guard in connection with an angle grinder  
Total length: 1,500 mm

Order number

631213000

Router guide



Router Guide

- Enables moulding/routing with routers OFE 738 and Of E 1229 Signal along the precision guide rail  
For these tasks the 631503000 intermediate plate must be fitted to the router's base plate

Order number

631248000

Other Accessories for the Router and Grinder Motor

Moulding/routing attachment



Moulding/routing attachment

- With this moulding/routing attachment, router and grinder motor FME 737 can be converted into a router

Order number

631501000

Flexible shanks



Flexible shank 27609

- Suitable for speeds of 20,000 to 30,000 rpm
- Bearing-mounted at both ends
- For cutter, mounted points, lamellar grinding wheels etc. with 6 mm shaft diameter. Interchangeable collet for accessories with 3 mm shaft diameter available as accessory (630715000)
- 6 mm driving shaft for fixing the flexible shank in the collet bore of the drive machine. If the collet bore of the drive machine has a different dimension than 6 mm, the collet of the drive machine must be changed. 6 mm collet available as accessory (631945000)

Suitable for routers: FME 737  
suitable for die grinders: G 500, GE 700, GE 710 Compact, GE 710 Plus

Length: 1.3 m  
Driving shaft: 6 mm  
Collet bore: 6 mm  
Weight: 0.8 kg

Order number

627609000\*



Flexible shank 30980

- Suitable for speeds of 7,500 to 30,000 rpm
- Bearing-mounted at both ends
- For cutter, mounted points, lamellar grinding wheels etc. with 8 mm shaft diameter. Interchangeable collet for accessories with 6 mm shaft diameter (630977000) and 3 mm shaft diameter (630976000) available as accessory
- 8 mm driving shaft for fixing the flexible shank in the collet bore of the drive machine. If the collet bore of the drive machine has a different dimension than 8 mm, the collet of the drive machine must be changed. 6 mm collet available as accessory (631945000)



Suitable for routers: FME 737  
suitable for die grinder: G 500, GE 700, GE 900 Plus, GE 710 Compact, GE 710 Plus, GE 950 G Plus


Length: 1.3 m  
Driving shaft: 8 mm  
Clamping bore: 8 mm  
Weight: 0.8 kg

Order number

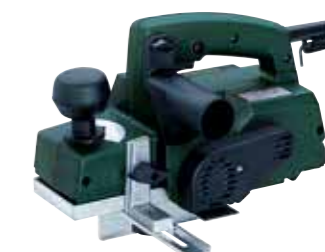
630980000\*

\*Self-service packaging

Collets for flexible shanks		
Collet Bore		Order number
 Collets for flexible shank 630580000		
3 mm		630976000
6 mm		630977000
8 mm		630979000
 Collets for flexible shank 627609000		
3 mm		630715000
6 mm		630714000

Clamping stand		
		Order number
	<b>Clamping stand</b> ■ For safe clamping of drills and impact drills as well as die grinders and the motor of the router when working with flexible shanks. Locating bore Ø 43 mm. The clamp 627107000 serves for the secure fixing	627354000*

Clamp		
		Order number
	<b>Clamp</b> ■ For the secure fitting on a work table	627107000*



Technical data	Paint Remover LF 724 S
Torque	2 Nm
Cutting edge cycle	80 mm
Maximum notch depth	unlimited
Lateral milling height	28 mm
Axial routing depth	0 - 0.3 mm
Radial routing depth	0.15 mm
Rated input power	710 W
Output power	430 W
No-load speed	10,000 /min
Revolutions at rated load	6,700 /min
Weight (without power cable)	2.4 kg
Cable length	4 m

Scope of delivery	
Order number	600724 <sup>1)</sup>
4 reversible carbide blades	■
Extraction connector	■
Adjusting wrench with handle	■
Combo-spanner	■
Plastic carry case	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Only from Metabo: The problem solver for renovation work. Saves up to 70% of time when compared to conventional working methods
- For the environmentally-friendly removal of paint and varnish from even wooden surfaces, such as stairs, doors and windows.
- Suitable for processing untreated wood
- Suitable for processing notches by virtue of lateral blades
- Variably adjustable milling depth
- Die cast aluminium gear housing for optimum heat dissipation and durability
- Carbide reversible blade, can be used on four sides for a long service life
- Extraction possibility by means of connecting an all-purpose vacuum cleaner

Technical data	Planer Ho 0882
Planing width	82 mm
Adjustable planing depth	0 - 3 mm
Maximum notch depth	23 mm
No-load speed	12,000 /min
Rated input power	800 W
Output power	430 W
Revolutions at rated load	8,200 /min
Length of planer base	290 mm
Weight (without power cable)	3.6 kg
Cable length	2.5 m

Scope of delivery	
Order number	600882 <sup>1)</sup>
Reversible carbide planer blades	■
Guide fence	■
Groove depth stop	■
Extraction connector	■
Hexagonal wrench	■

<sup>1)</sup> also available in 120 V (North/Latin America)

**Product advantages**

- Robust and powerful planer with long planer base
- Easy blade change of the robust reversible carbide planer blades
- Adjustable planer depth and notch depth
- Aluminium die cast and milled cut planer base with V-groove for easy chamfering
- Chip ejection either right or left for comfortable working
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Strap on the planer base for stopping the machine and to protect the work piece

**System components**

Accessories → 336

Extraction systems → 399

\*Self-service packaging

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Accessories for Paint Removers

Reversible carbide blades



Sales unit	Order number
4	631720000*
10	631660000*

Suction hose



**Suction hose**  
 With bayonet fitting and rubber connector (internal Ø 30 mm, outside Ø 35 mm)  
 Connector Ø: 58 mm / 35 mm  
 Hose length: 3.5 m  
 Suction hose Ø: 27 mm

Order number
631938000

Accessories for Planers

Reversible carbide planer blade



**Reversible carbide planer blade**  
 Consisting of 2 reversible carbide planer blades; as spare

**Reversible carbide planer blade**  
 Consisting of 10 reversible carbide planer blades

Order number
630282000*
630272000

Additional accessories for planers



**Clamp bracket for planer**  
 For stationary use of the planer (as surface planer)  
 Clamp 627107000 for fastening the stand securely on a workbench



**Clamp**  
 ■ For the secure fitting on a work table

Order number
631599000*
627107000*



Sawing

\*Self-service packaging



Technical data	Cordless Circular Saw KSA 18 LTX
Type of battery pack	Li-Ion / LiHD
Battery pack voltage	18 V
Swivel range from / to:	0 / + 50 °
Maximum cutting depth at 90°	53.5 mm
Maximum cutting depth at 45°	42 mm
Saw blade Ø x bore	Ø 165 x 16 mm
No-load speed	2,700 /min
Max. cutting speed	23 m/s
Weight (including battery pack)	4.3 kg

Scope of delivery	
Order number	602268
Carbide circular saw blade (18 teeth)	■
Parallel guide / ripping fence	■
Hexagonal wrench	■
2 Li-Power battery packs (18 V/5.2 Ah)	■
ASC 30-36 V »AIR COOLED« charger	■

Equipment variants can be found in the Metabo price list and on the internet

- Product advantages**
- Integrated LED work light for optimum illumination of the cutting line
  - Brake area stops the saw blade quickly and improves safety
  - Large range of applications thanks to the capability of angled cuts up to 50°
  - Precise cuts with guide rail and adapter (accessory)
  - Battery packs with capacity display for checking the charge status

System components		
Accessories → 342	Battery packs → 64	Extraction systems → 399



Technical data	Circular Saw KS 55	Circular Saw KS 55 FS
Rated input power	1,200 W	1,200 W
Output power	670 W	670 W
Maximum cutting depth at 90°	55 mm	55 mm
Maximum cutting depth at 45°	39 mm	39 mm
Saw blade Ø x bore	Ø 160 x 20 mm	Ø 160 x 20 mm
Swivel range from / to:	0 %/+ 47 °	0 %/+ 47 °
No-load speed	5,600 /min	5,600 /min
Revolutions at rated load	4,400 /min	4,400 /min
Max. cutting speed	47 m/s	47 m/s
Torque	5 Nm	5 Nm
Weight (without power cable)	4 kg	4 kg
Cable length	4 m	4 m

Scope of delivery		
Order number	600855	600955
Carbide circular saw blade (18 teeth)	■	■
Parallel guide / ripping fence	■	■
Extraction connector	■	■
Hexagonal wrench	■	■

- Product advantages**
- Light, compact circular saw for universal construction site use
  - Robust circular saw, can be used directly on Metabo guide rails and rails of other manufacturers
  - Light guide plate made from die cast aluminium
  - Adjustment of machine without tools for using with the precision guide rail
  - Grip area with non-slip soft-grip surface
  - Clearly visible cutting indicator for precise sawing after initial cut
  - 0° position re-adjustable for highest cutting precision
  - Extraction possibility by means of connecting an all-purpose vacuum cleaner

System components		
Accessories → 342	Extraction systems → 399	

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Technical data	Plunge Cut Circular Saw KSE 55 Vario Plus
Rated input power	1,200 W
Output power	700 W
Maximum cutting depth at 90°	55 mm
Maximum cutting depth at 45°	40 mm
Saw blade Ø x bore	Ø 160 x 20 mm
Swivel range from / to:	0 °/+ 45 °
No-load speed	2,000 - 5,200 /min
Revolutions at rated load	5,200 /min
Max. cutting speed	44 m/s
Torque	5 Nm
Weight (without power cable)	3.7 kg
Cable length	4 m

Scope of delivery

Order number	601204
Carbide circular saw blade (42 teeth)	■
Parallel guide / ripping fence	■
Extraction connector	■
Hexagonal wrench	■

Product advantages

- Combined plunge cut circular saw – two high-quality functions in one machine
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the saw blade stop unexpectedly.
- Convenient saw blade change due to simultaneous pendulum saw guard and saw blade stop
- Particularly light due to magnesium die-cast saw housing and guide plate
- Grip area with non-slip soft-grip surface
- Sawing close to wall possible
- Precise, double-track aluminium parallel guide makes cutting to size easier
- Clearly visible cutting indicator for precise sawing after initial cut
- 0° position re-adjustable for highest cutting precision
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Overload protection: protects the motor from overheating
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Controllable chip ejection by means of rotating extraction nozzle
- Auto-stop carbon brushes to protect the motor
- Adjustment of machine without tools for using with the precision guide rail

System components

Accessories → 342 | Extraction systems → 399



Technical data	Circular Saw KS 66	Circular Saw KS 66 Plus	Circular Saw KSE 68 Plus
Rated input power	1,400 W	1,400 W	1,600 W
Output power	800 W	800 W	850 W
Maximum cutting depth at 90°	66 mm	66 mm	68 mm
Maximum cutting depth at 45°	47 mm	47 mm	48 mm
Saw blade Ø x bore	Ø 190 x 30 mm	Ø 190 x 30 mm	Ø 190 x 30 mm
Swivel range from / to:	0 °/+ 45 °	0 °/+ 45 °	0 °/+ 45 °
No-load speed	4,200 /min	4,200 /min	2,000 - 4,200 /min
Revolutions at rated load	3,200 /min	3,200 /min	4,200 /min
Max. cutting speed	42 m/s	42 m/s	42 m/s
Torque	9 Nm	9 Nm	11 Nm
Weight (without power cable)	5.5 kg	5.5 kg	5.6 kg
Cable length	4 m	4 m	4 m

Scope of delivery

Order number	600542 <sup>1)</sup>	600544	600545
Carbide circular saw blade (14 teeth)	■	■	■
Parallel guide / ripping fence	■	■	■
Aluminium parallel guide	■	■	■
Hexagonal wrench	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Precise cuts with guide rail and matching adapter (accessory)
- Sturdy guide plate made from die cast magnesium
- Grip area with non-slip soft-grip surface
- Adjustment of machine without tools for using with the precision guide rail
- Brake area for increased safety with quick saw blade stop
- Sturdy guide plate made from die cast magnesium
- Grip area with non-slip soft-grip surface
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Overload protection: protects the motor from overheating
- Adjustment of machine without tools for using on the precision guide rail
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the saw blade stop unexpectedly.
- Clearly visible cutting indicator for precise sawing after initial cut
- 0° position re-adjustable for highest cutting precision
- Lubrication system for long service life of the gear
- Extraction possibility by means of connecting an all-purpose vacuum cleaner
- Controllable chip ejection by means of rotating extraction nozzle
- Auto-stop carbon brushes to protect the motor

System components

Accessories → 342 | Extraction systems → 399

# CIRCULAR SAW BLADES: LONG SERVICE LIFE AND PRECISE CLEAN CUTS.

The best cuts can be achieved with a harmonised system using quality circular saw blades. Metabo carbide circular saw blades offer precise and clean cuts thanks to laser cut expansion slots and ground carbide teeth. They are manufactured in accordance with Metabo quality specifications so that they achieve best work results in combination with our machines. The quality products offer a long service life and save you money.



## Application profiles of the Metabo circular saw blades

### Precision laser saw blades

have a higher bonding strength than stamp-cut saw blades thanks to the due to their high face and rotation accuracy for precise cuts

### Lasered expansion slots

ensure low-noise and low-vibration operation.

### Very high service life

is achieved by the use of pure-grade carbides.

### Extremely long-lasting

due to a tenfold plus re-sharpening potential.

### Our full range is clearly structured.

We differentiate between Power cut, Precision cut and Multi-cut. This helps you to find the ideal saw blade.

### power cut



- For fast coarse and semi-fine cuts with continuous feed for low performance requirements
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible

### precision cut



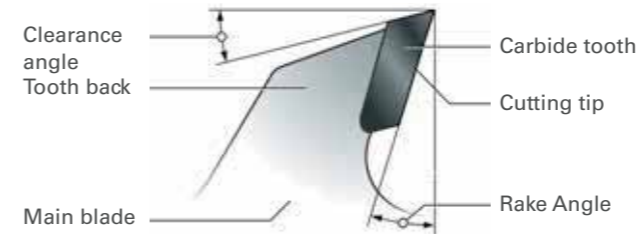
- Very wide range of uses in woodwork
- For very good, clean cut results for longitudinal or cross cutting in softwood and hardwood
- Well suited for hard wood and plywood, untreated chipboards, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor

### multi cut



- Universal use for demanding materials
- For the highest standards in cutting quality, e.g. for laminate, plastic, aluminium, copper and bronze materials
- Ideally suited for many interior work applications.
- Perfect cutting results, also on cross-cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance

## Technical characteristics of the circular saw blades



### The rake angle

The rake angle influences the cut quality, feed and cutting forces. It always correlates to the desired entry and exit angles to the workpiece.

The size of the front rake angle depends on:

- The material to be processed (front rake angle decreasing: softwoods - hardwoods - chip materials - non-ferrous metals)
- The respective cutting quality required on one or both edges



### Positive and negative rake angle

Positive rake angle:

- Easy cutting action - fast cutting
- Cutting power in the direction of the workbench (handheld circular saw)
- Workpiece edge: clean on the underside, without splinter guard poor on the upside

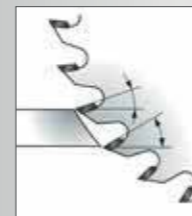
Negative rake angle:

- More difficult cutting process - higher cutting power required from machine
- Cutting force in the direction of the workpiece support (mitre saws)
- Workpiece edge on the upper side better than on the underside



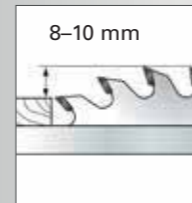
### The clearance angle

If the clearance angle is too low, chip removal by the next tooth is not possible. A large clearance angle facilitates large chip removal. This is necessary for greater feeds.



### Entry and exit angles on the workpiece

In most cases, the exit angle is unfavourable as opposed to the entry angle. For this reason the »good side« should be positioned upside down.



### Saw blade projection

With increasing saw blade projection, the quality on the exit side decreases. It does not however improve on the entry side due to the lack of guidance effect. The ideal saw blade projection is between 8 and 10 mm.

### Steel blade thickness

- Thinner blades are suited for thinner materials and require less power. Ideal for cordless applications.
- Thicker blades are particularly stable and are therefore suited for precise cuts in thicker materials on powerful saws.

## Tooth forms on the circular saw blades



- ### WZ alternately bevel-ground tooth
- Exceptionally clean cuts in all softwoods and hardwoods, wood-fibre, laminate and plastic materials
  - Easy to sharpen.
  - With negative rake angle: Use on mitre saws



- ### FZ flat tooth
- Ideal for fast and coarse lengthwise cuts in solid wood
  - Simple to maintain



- ### FZ/TZ flat/trapezoid tooth
- Ideal for aluminium, copper and brass facing, plastic, coated chipboard and MDF boards and other wooden materials
  - Very clean cuts
  - With negative rake angle: Use on mitre saws



- ### FZ/FA flat tooth/chamfered flat tooth
- Used primarily for construction site and table saws, but also for high-output circular hand saws
  - Perfectly suited for construction wood, plywood boards (also with nails and concrete residue), chipboards
  - Extremely robust teeth



- ### DZ/HZ roof/hollow tooth
- Ideal for boards coated on both sides
  - Very precise and splinter-free cuts



- ### SP/NV pointed tooth, KV wolf tooth
- Used for construction site circular saws and log cutting saws or high-performance table saws
  - Tooth shape only with circular saw blades made from chrome-vanadium steel

## Designation of the circular saw blades

Example:

HW/CT 250 x 2.8/2.0 x 30; Z-80 FZ/TZ 5° neg; 2 NL

HW/CT = wolfram/carbide tipped

Other material descriptions:

CV = chrome vanadium steel

250 = diameter mm

2.8 = cutting width mm

2.0 = thickness of base body in mm

30 = diameter of the bore

Z=80 = number of teeth

FZ/ TZ = flat trapezoid tooth shape

5° neg. = negative chip angle

2 NL = secondary hole holder





**Chrome-vanadium circular saw blades**

- For coarse and semi-fine cuts with continuous feed. Ideal for low & high powered machines
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade body mm	Rake angle	Suitable for	Order number
315 x 1.8 x 30	CV	56	KV	1.8		TKHS 315	628100000
315 x 1.8 x 30	CV	80	NV	1.8		TKHS 315	628101000
350 x 1.8 x 30	CV	56	NV	1.8		TK 350 to 1983	628102000
400 x 2 x 30	CV	56	KV	2		BKS 400 Plus	628105000
500 x 2.5 x 30	CV	56	KV	2.5		BW 500 to 1998	628108000
600 x 2.8 x 30	CV	56	KV	2.8		BW 600	628109000
700 x 2.8 x 30	CV	56	KV	2.8		BW 750 / BW 700 to 1993	628110000
450 x 2.2 x 30	CV	56	WZ	2.2		BKS 450 Plus / BKH 450 Plus	628094000

**Circular Saw Blades, »Precision Cut«**

**Circular saw blades for hand-held circular saws**



- Very wide range of uses in woodworking
- For very good, clean cut results for longitudinal or cross-cuts in softwood and hardwood
- Well suited for hard wood and plywood, untreated chipboards, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade thickness mm	Rake Angle	Suitable for	Order number
160 x 1.6 x 20 / 16	HW/CT	24	WZ	1.1	22°	KSAP 18 / KSA 18 LTX	628030000*
160 x 2.2 x 20	HW/CT	24	WZ	1.4	20°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus / KS 55 / KS 55 FS	628031000*
167 x 2.4 x 20	HW/CT	20	WZ	1.6	20°	Ks 1155 S	628032000*
167 x 2.4 x 20	HW/CT	40	WZ	1.6	10°	Ks 1155 S	628033000*
190 x 2.6 x 20	HW/CT	48	WZ	1.8	10°	Ks 1266 S / Ks 1468 S	628034000*
190 x 2.2 x 30	HW/CT	48	WZ	1.4	15°	KS 66 / KS 66 Plus / KSE 68 Plus	628035000*
210 x 2.6 x 30	HW/CT	56	WZ	1.8	10°	Ks E 1678 S-Signal	628040000*
230 x 2.6 x 30	HW/CT	56	WZ	1.8	15°	KS 85	628044000*

**Circular saw blades for semi-stationary/stationary circular saws**



- Very wide range of uses in woodworking
- For very good, clean cut results for longitudinal or cross-cuts in softwood and hardwood
- Well suited for hard wood and plywood, untreated chipboards, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor
- Secondary holder for circular saw blades with Ø 216, 250, 254 and over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of Teeth	Tooth Shape	Steel blade thickness mm	Rake Angle	Suitable for	Order number
210 x 2.4 x 30	HW/CT	30	WZ	1.6	22°	PK 200 / UK 220	628036000*
210 x 2.4 x 30	HW/CT	40	WZ	1.8	3°	KS 210 / KGS 255 / PK 200 / UK 220	628037000*
210 x 2.8 x 30	HW/CT	42	FZ/TZ	1.8	1° neg.	KS 210 / KGS 255 / PK 200 / UK 220	628038000*
210 x 2.4 x 30	HW/CT	42	WZ	1.6	22°	PK 200 / UK 220	628039000*
216 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus / KGSV 72 Xact / KGSV 72 Xact SYM / KGSV 216 M	628041000*

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade thickness mm	Rake angle	Suitable for	Order number
220 x 2.4 x 30	HW/CT	36	WZ	1.6	10°	UK 290 / UK 333 / Secanta	628042000*
220 x 2.6 x 30	HW/CT	48	DZ/HZ	1.6	10°	UK 290 / UK 333 / Secanta	628043000*
250 x 2.8 x 30	HW/CT	34	WZ	1.8	15°	KGT 500 / KGT 501 / KGT 550 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310	628045000*
250 x 2.8 x 30	HW/CT	42	WZ	1.8	15°	KGT 500 / KGT 501 / KGT 550 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310 / PK 250	628046000*
250 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 250 / KGS 301 / KGS 303 / KGS 331	628047000*
250 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 250 / KGS 301 / KGS 303 / KGS 331	628048000*
250 x 2.8 x 30	HW/CT	60	WZ	1.8	15°	TS 250 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310 / PK 250	628049000*
254 x 2.4 x 30	HW/CT	40	WZ	1.6	20°	TS 254 / TK 250	628059000*
254 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	628221000*
254 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	628222000*
300 x 2.8 x 30	HW/CT	48	WZ	1.8	15°	PK 300 / PKV 300 G to 1996	628051000
300 x 2.8 x 30	HW/CT	72	WZ	1.8	10°	PK 300 / PKV 300 G to 1996	628053000
305 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 305 Plus / KGS 305 / KS 305 M / KGT 305 M / KGS 305 M	628227000*
305 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 305 Plus / KGS 305 / KS 305 M / KGT 305 M / KGS 305 M	628228000*
305 x 2.4 x 30	HW/CT	84	WZ	1.8	5° neg.	KS 305 Plus / KGS 305 / KS 305 M / KGT 305 M / KGS 305 M	628229000*
305 x 2.4 x 30	HW/CT	60	WZ	1.8	1,5°	KGS 305	628054000
305 x 2.4 x 30	HW/CT	80	WZ	1.8	5°	KGS 305	628055000
315 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KGS 315 Plus / KGS 305	628224000*
315 x 2.4 x 30	HW/CT	84	WZ	1.8	5° neg.	KGS 315 Plus / KGS 305	628225000*
315 x 2.8 x 30	HW/CT	48	WZ	1.8	15°	TKHS 315	628056000
315 x 2.8 x 30	HW/CT	48	WZ	1.8	0°	KGS 305 / KGT 300 / TKHS 315	628057000
315 x 2.8 x 30	HW/CT	84	WZ	1.8	10°	KGS 305 / KGT 300 / TKHS 315	628058000

**Circular saw blades »Classic« for semi-stationary/stationary circular saws**



- Very wide range of uses in woodworking
- For good, clean cutting results for ripping or cross cutting in softwood and hardwood
- Suitable for hard wood and plywood, untreated chipboards, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade thickness mm	Rake angle	Suitable for	Order number
216 x 2.4 x 30	HW/CT	40	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGSV 216 M / KGSV 72 Xact / KGSV 72 Xact SYM	628060000*
216 x 1.8 x 30	HW/CT	40	WZ	1.2	5°	KS 18 LTX 216 / KGS 18 LTX 216	628065000*
216 x 2.4 x 30	HW/CT	30	WZ	1.6	22°	TS 216 / TS 216 Floor	628062000*
254 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KGS 254 M	628061000*
305 x 2.4 x 30	HW/CT	56	WZ	1.6	5° neg.	KGS 305 M / KS 305 M / KGT 305 M	628064000*

\*Self-service packaging

Circular Saw Blades, »Multi Cut«

Circular saw blades for hand-held circular saws



- Universal use for demanding materials
- For the highest standards in cutting quality, e.g. for laminate, thin-walled plastic, aluminium, copper and bronze materials
- Ideally suited for many interior work applications.
- Perfect cutting results, also for cross-cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade thickness mm	Rake angle	Suitable for	Order number
150 x 2.4 x 20	HW/CT	36	WZ	1.6	10°	Ks 0852 S	628000000*
152 x 2.4 x 20	HW/CT	54	FZ/TZ	1.6	5° neg.	Ks 0852 S	628070000*
160 x 2.2 x 20	HW/CT	30	WZ	1.4	5°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus / KS 55 / KS 55 FS	628071000*
160 x 2.2 x 20	HW/CT	42	WZ	1.4	15°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus / KS 55 / KS 55 FS	628072000*
160 x 2.2 x 20	HW/CT	54	FZ/TZ	1.4	8°	KS 54 / KSE 55 Plus / KSE 55 Vario Plus / KS 55 / KS 55 FS	628073000*
167 x 2.4 x 20	HW/CT	42	FZ/TZ	1.6	6° neg.	Ks 1155 S	628074000*
190 x 2.2 x 30	HW/CT	36	WZ	1.4	5°	KS 66 / KS 66 Plus / KSE 68 Plus	628075000*
190 x 2.6 x 20	HW/CT	54	FZ/TZ	1.8	5° neg.	Ks 1266 S / Ks 1468 S	628076000*
190 x 2.2 x 30	HW/CT	56	FZ/TZ	1.4	8°	KS 66 / KS 66 Plus / KSE 68 Plus	628077000*
230 x 2.6 x 30	HW/CT	60	WZ	1.8	5°	KS 85	628085000*

Circular saw blades for semi-stationary/stationary circular saws



- Universal use for demanding materials
- For the highest standards in cutting quality, e.g. for laminate, thin-walled plastic, aluminium, copper and bronze materials
- Ideally suited for many interior work applications.
- Perfect cutting results, also for cross-cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance
- Secondary holder for circular saw blades with Ø 216, 250, 254 and over 300 mm (except 628063000)

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade thickness mm	Rake angle	Suitable for	Order number
210 x 2.6 x 30	HW/CT	54	FZ/TZ	1.8	5° neg.	KS 210 / KGS 255 / Ks E 1678 S-Signal	628078000*
210 x 2.8 x 30	HW/CT	60	WZ	2	5° neg.	KS 210 / KGS 255 / Ks E 1678 S-Signal	628079000*
210 x 2.4 x 30	HW/CT	64	WZ	1.6	10°	PK 200 / UK 220	628081000*
210 x 2.4 x 30	HW/CT	64	FZ/TZ	1.6	5° neg.	KS 210 / KGS 255	628082000*
216 x 2.4 x 30	HW/CT	60	FZ/TZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus / KGSV 72 Xact / KGSV 72 Xact SYM	628083000*
216 x 2.4 x 30	HW/CT	64	FZ/TZ	1.6	10°	TS 216 / TS 216 Floor	628063000*
220 x 2.6 x 30	HW/CT	80	FZ/TZ	1.6	10°	UK 290 / UK 333 / Secanta	628084000*
250 x 2.8 x 30	HW/CT	80	WZ	1.8	10°	KGT 500 / KGT 501 / KGT 550 / TS 250 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310	628087000*
250 x 2.8 x 30	HW/CT	80	FZ/TZ	2	5° neg.	KGS 301 / KGS 303 / KGS 331 / KGT 500 / KGT 501 / KGT 550 / TS 250 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310	628088000*
254 x 2.4 x 30	HW/CT	80	FZ/TZ	1.6	5°	TS 254 / TK 250	628093000*
254 x 2.4 x 30	HW/CT	80	FZ/TZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	628223000*
300 x 2.8 x 30	HW/CT	96	FZ/TZ	2.2	6° neg.	PK 300 / PKV 300 G to 1996	628090000
305 x 2.8 x 30	HW/CT	96	FZ/TZ	2	5° neg.	KGS 305 / KS 305 Plus / KS 305 M / KGT 305 M / KGS 305 M	628091000
315 x 2.4 x 30	HW/CT	96	FZ/TZ	1.8	5° neg.	KGS 315 Plus / KGS 305	628226000*
315 x 2.8 x 30	HW/CT	96	FZ/TZ	2	5° neg.	KGS 305	628092000

Circular saw blades »Classic« for semi-stationary/stationary circular saws



- Universal use for demanding materials
- For high standards in cutting quality, e.g. for laminate, thin-walled plastic, aluminium, copper and brass materials
- Ideally suited for many interior work applications
- Good cutting results, also for cross-cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade thickness mm	Rake angle	Suitable for	Order number
216 x 2.4 x 30	HW/CT	60	FZ/TZ	1.8	5° neg.	KGSV 216 M / KGSV 72 Xact / KGSV 72 Xact SYM / KS 216 M Lasercut / KGS 216 M	628066000*

Reducing Rings for Circular Saw Blades



Order number
623545000
623546000
623547000
623548000
623549000
623550000*
623551000*

**Reducing ring Ø 20 x 1.2 x 16 mm**  
 ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm

**Reducing ring Ø 30 x 1.2 x 16 mm**  
 ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm

**Reducing ring Ø 30 x 1.2 x 20 mm**  
 ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm

**Reducing ring Ø 30 x 1.2 x 25 mm**  
 ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm







**Reducing ring Ø 30 x 1.6 x 16 mm**  
 ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm


**Reducing ring Ø 30 x 1.6 x 20 mm**  
 ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm


**Reducing ring Ø 30 x 1.6 x 25 mm**  
 ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm

\*Self-service packaging

Other Accessories for Circular Saws

Precision guide rail with accessories		Order number
	<p><b>Precision guide rail</b></p> <ul style="list-style-type: none"> <li>■ Guide rail made of sturdy, anodised aluminium extrusion</li> <li>■ Anti-slip backing provides safe and reliable support and protects the work piece surface against scratches</li> <li>■ Guide rule, adjustable to eliminate play</li> </ul> <p>suitable for: Metabo jigsaws, circular saws and router models OFE 738 and Of E 1229 Signal (when using the appropriate accessories; KS 55 FS, KSE 55 Vario Plus, KS 66 Plus, KSE 68 Plus can be used directly); also suitable for the CED 125 Plus cutting guard in connection with an angle grinder</p> <p>Total length: 1,500 cm</p>	631213000
	<p><b>Guide rail with bag</b></p>	631213700
	<p><b>Connector</b></p> <ul style="list-style-type: none"> <li>■ For the trouble-free joining together of two precision guide rails</li> </ul>	631211000*
	<p><b>Set of two clamps</b></p> <ul style="list-style-type: none"> <li>■ For fixing the precision guide rail on the work piece or work table</li> </ul>	631031000*
	<p><b>Guide plate</b></p> <ul style="list-style-type: none"> <li>■ For use with the circular saws KSA 18 LTX, KSAP 18, KS 54 and KS 54 SP on the guide rail</li> <li>■ Complete guide plate with 2 mounted aluminium threaded bushes for the circular saws</li> </ul>	631019000
	<p><b>Adapter</b></p> <ul style="list-style-type: none"> <li>■ For use with the KS 66 and KSE 68 Plus circular saws (old; orderno 600543) on the guide rail</li> </ul>	631020000

Sawdust ejection nozzle		Order number
	<p><b>Sawdust ejection nozzle</b></p> <ul style="list-style-type: none"> <li>■ Can be rotated</li> <li>■ For fitting the suction hose to the circular saw KS 54 and KSE 55 Plus</li> </ul>	630924000*

Suction hose		Order number
	<p><b>Suction hose</b></p> <ul style="list-style-type: none"> <li>■ With bayonet fitting and rubber connector (internal Ø 30 mm, outside Ø 35 mm)</li> </ul> <p>Connector Ø: 58 mm / 35 mm Hose length: 3.5 m Suction hose Ø: 27 mm</p>	631938000

\*Self-service packaging



Technical data	Cordless Jigsaw STA 18 LTX	Cordless Jigsaw STA 18 LTX 140
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Maximum thickness of material in		
- Wood	135 mm	140 mm
- Non-ferrous metals	35 mm	35 mm
- Steel sheet	10 mm	10 mm
Swivel range from / to:	- 45 °/+ 45 °	- 45 °/+ 45 °
Pendulum stroke levels	4	4
Saw blade stroke	25.4 mm	26 mm
Strokes – no load	0 - 2,700 /min	1,000 - 3,000 /min
Weight (including battery pack)	2.8 kg	2.9 kg

Scope of delivery	602298	601405
Order number	602298	601405
Extraction nozzle		■
Protective glass		■
Plastic guard plate	■	■
Chip guard plate	■	■
Hexagonal wrench	■	
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
ASC 30-36 V »AIR COOLED« charger	■	■
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet

Product advantages	Metabo Quick, for changing saw blades without tools	Extremely powerful jig saw with VTC electronics for fast cuts into softwood of up to 140 mm
<ul style="list-style-type: none"> <li>■ Metabo Quick, for changing saw blades without tools</li> <li>■ Close proximity saw blade guidance for precise cuts</li> <li>■ Top handle with non-slip soft-grip surface</li> <li>■ Vario (V)-electronics for working with customised strokes to suit the application material.</li> <li>■ Splinter-free and gentle sawing due to guard plate with chip break guard</li> </ul>	<ul style="list-style-type: none"> <li>■ Extremely handy due to small handle size and soft-grip surface</li> <li>■ Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support</li> <li>■ Metabo »Quick« for changing saw blades without tools and with automatic ejection</li> <li>■ Convenient start automatic: automatic stroke acceleration when starting to saw</li> <li>■ Simple bevel cuts thanks to tool-less adjustable footplate with rest points</li> <li>■ Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised strokes to suit the application material and speeds that remain almost constant, even under load</li> <li>■ Restart protection: prevents unintentional start-up after power cut</li> </ul>	
<ul style="list-style-type: none"> <li>■ Selectable shaving blower function ensures free view of cutting line</li> <li>■ Integrated LED work light for illumination of the cutting line</li> <li>■ Long service life thanks to optimum gear and motor design and robust die-cast aluminium gear housing.</li> <li>■ Battery packs with capacity display for checking the charge status</li> </ul>		

System components

Accessories ▶ 357 | Battery packs ▶ 64 | Extraction systems ▶ 399





Technical data	Jigsaw STEB 65 Quick	Jigsaw STEB 70 Quick	Jigsaw STEB 80 Quick
Rated input power	450 W	570 W	590 W
Output power	230 W	335 W	350 W
Maximum thickness of material in			
- Wood	65 mm	70 mm	80 mm
- Non-ferrous metals	18 mm	20 mm	25 mm
- Steel sheet	6 mm	6 mm	8 mm
Swivel range from / to:	- 45 °/+ 45 °	- 45 °/+ 45 °	- 45 °/+ 45 °
Pendulum stroke levels	4	4	4
Strokes – no load	600 - 3,000 /min	900 - 3,300 /min	900 - 3,300 /min
Saw blade stroke	18 mm	22 mm	22 mm
Weight (without power cable)	1.9 kg	2 kg	2 kg
Cable length	2.5 m	2.4 m	2.4 m

Scope of delivery

Order number	601030 <sup>2)</sup>	601040 <sup>1)</sup>	601041
Extraction nozzle	■	■	■
Protective glass	■	■	■
Chip Guard Plate		■	■
Jigsaw blade wood	■		
Jigsaw blade metal	■		
Hexagonal wrench	■	■	■
Plastic carry case	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Dust blower function for clear view of cutting line
- Close proximity saw blade guidance for precise cuts
- Selectable shaving blower function ensures free view of cutting line
- Precision guide rail and guiding device available as accessory
- Metabo Quick for changing saw blades without tools
- Top handle with non-slip soft-grip surface
- Vario (V)-electronics for working with customised strokes to suit the application material.
- Extraction possible by means of connecting an all-purpose vacuum cleaner

System components

Accessories → 357

Extraction systems → 399



Technical data	Jigsaw STE 90 SCS	Jigsaw STE 100 SCS
Rated input power	610 W	630 W
Output power	360 W	380 W
Maximum thickness of material in		
- Wood	90 mm	100 mm
- Non-ferrous metals	20 mm	25 mm
- Steel sheet	6 mm	8 mm
Swivel range from / to:	- 45 °/+ 45 °	- 45 °/+ 45 °
Pendulum stroke levels	4	4
Strokes – no load	1,000 - 3,000 /min	1,000 - 3,000 /min
Saw blade stroke	22 mm	22 mm
Weight (without power cable)	2.3 kg	2.3 kg
Cable length	2.5 m	2.5 m

Scope of delivery

Order number	601042	601043
Extraction nozzle	■	■
Protective glass	■	■
Chip guard plate	■	■
Hexagonal wrench	■	■
Plastic carry case	■	■

Product advantages

- Metabo Quick, for changing saw blades without tools
- Close proximity saw blade guidance for precise cuts
- Metabo Straight Cut System SCS: a fin for use in the guide plate makes sawing straight ahead even easier
- Selectable shaving blower function ensures free view of cutting line
- Integrated LED work light for illumination of the cutting line
- Vario-Tacho-Constamatic (VTC)-Full wave electronics for working with customised strokes for the materials used that remain almost constant under load
- Extraction possible by means of connecting an all-purpose vacuum cleaner
- Precision guide rail and guiding device available as accessory

System components

Accessories → 357

Extraction systems → 399

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**Technical data**

**Jigsaw STE 140**

Rated input power	750 W
Output power	420 W
Maximum thickness of material in	
- Wood	140 mm
- Non-ferrous metals	35 mm
- Steel sheet	10 mm
Swivel range from / to:	- 45 °/+ 45 °
Pendulum stroke levels	4
Strokes – no load	1,000 - 3,100 /min
Saw blade stroke	26 mm
Weight (without power cable)	2.5 kg
Cable length	4 m

**Jigsaw STE 140 Plus**

Rated input power	750 W
Output power	420 W
Maximum thickness of material in	
- Wood	140 mm
- Non-ferrous metals	35 mm
- Steel sheet	10 mm
Swivel range from / to:	- 45 °/+ 45 °
Pendulum stroke levels	4
Strokes – no load	1,000 - 3,100 /min
Saw blade stroke	26 mm
Weight (without power cable)	2.5 kg
Cable length	4 m

**Scope of delivery**

Order number	601401	601403
Extraction nozzle		■
Protective glass		■
Plastic guard plate		■
Chip guard plate		■
Hexagonal wrench	■	
Plastic carry case		■

**Product advantages**

- Extremely powerful jig saw with VTC electronics for fast cuts into softwood of up to 140 mm
- Extremely handy due to small handle size and soft-grip surface
- Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support
- Metabo »Quick« for changing saw blades without tools and with automatic ejection
- Selectable shaving blower function ensures free view of cutting line
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised strokes to suit the application material and speeds that remain almost constant, even under load
- Long service life thanks to optimum gear and motor design and robust die-cast aluminium gear housing.

- Convenient automatic start: automatic soft start stroke acceleration
- Simple bevel cuts thanks to tool-less adjustable footplate with rest points
- Motion-controlled LED work light for optimum illumination of the cutting line
- Restart protection: prevents unintentional start-up after power cut

**System components**

Accessories → 357 | Extraction systems → 399



**Technical data**

**Jigsaw STEB 140**

Rated input power	750 W
Output power	420 W
Maximum thickness of material in	
- Wood	140 mm
- Non-ferrous metals	35 mm
- Steel sheet	10 mm
Swivel range from / to:	- 45 °/+ 45 °
Pendulum stroke levels	4
Strokes – no load	1,000 - 3,100 /min
Saw blade stroke	26 mm
Weight (without power cable)	2.5 kg
Cable length	4 m

**Jigsaw STEB 140 Plus**

Rated input power	750 W
Output power	420 W
Maximum thickness of material in	
- Wood	140 mm
- Non-ferrous metals	35 mm
- Steel sheet	10 mm
Swivel range from / to:	- 45 °/+ 45 °
Pendulum stroke levels	4
Strokes – no load	1,000 - 3,100 /min
Saw blade stroke	26 mm
Weight (without power cable)	2.6 kg
Cable length	4 m

**Scope of delivery**

Order number	601402 <sup>1)</sup>	601404 <sup>2)</sup>
Extraction nozzle		■
Protective glass		■
Plastic guard plate		■
Chip guard plate		■
Hexagonal wrench	■	
Plastic carry case		■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

**Product advantages**

- Extremely powerful jig saw with VTC electronics for fast cuts into softwood of up to 140 mm
- Precise and material-matched sawing due to the variable stroke rate, pendulum stroke and low-lying saw blade guidance with spring support
- Metabo »Quick« for changing saw blades without tools and with automatic ejection
- Selectable shaving blower function ensures free view of cutting line
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics for working at customised strokes to suit the application material and speeds that remain almost constant, even under load
- Long service life thanks to optimum gear and motor design and robust die-cast aluminium gear housing.

- Convenient automatic start: automatic soft start stroke acceleration
- Simple bevel cuts thanks to tool-less adjustable footplate with rest points
- Motion-controlled LED work light for optimum illumination of the cutting line
- Restart protection: prevents unintentional start-up after power cut

**System components**

Accessories → 357 | Extraction systems → 399

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WOOD

Order number (corresponds to Bosch type)	Material to be processed	Jigsaw blades made of HSS													Jigsaw blades made of HSS									Jigsaw blades made of BiM																					
		623631000 (T 119 B)	623920000 (T 119 B)	623646000 (T 119 BO)	623632000 (T 111 C)	623633000 (T 144 D)	623921000 (T 144 D)	623649000 (T 244 D)	623960000 (T 244 D)	623678000 (T 344 D)	623603000 (T 744 D)	623651000 (T 101 AO)	623634000 (T 101 B)	623969000 (T 101 B)	623650000 (T 101 BR)	623635000 (T 101 D)	623923000 (T 101 D)	623654000 (T 301 CD)	623694000 (T 144 DP)	623679000 (T 344 DP)	623685000 (T 301 BCP)	623998000 (T 308 B)	623976000 (T 144 DF)	623993000 (T 144 DF)	623980000 (T 344 DF)	623695000 (T 101 AOF)	623948000 (T 101 AIF)	623975000 (T 101 BF)	623686000 (T 101 BRF)	623696000 (T 301 CDF)	623977000 (T 301 CLF)	623949000 (T 111 HF)	623999000 (T 308 BF)	623675000 (T 234 X)											
	soft Wood < 15 mm	■	■	■										■																															
	soft Wood > 15 mm				■	■	■	■	■	■	■	■	■																																
	hard wood < 20 mm	■	■	■																																									
	hard wood > 20 mm				■	■	■	■	■	■	■	■	■	■																															
	chipboard/wood core plywood's < 20 mm	■	■	■																																									
	chipboard/wood core plywood's > 20 mm																																												
	plastics < 20 mm	■	■	■																																									
	plastics > 20 mm																																												
	building/construction timber < 60 mm					□																																							
	building/construction timber > 60 mm																																												
	coated boards < 30 mm	□	□	□																																									
	coated boards > 30 mm																																												
	kitchen/worktops < 30 mm	□	□	□																																									
	kitchen/worktops > 30 mm																																												
	laminates < 20 mm	□	□	□																																									
	laminates < 30 mm																																												
	wood + metal, wood + nails < 60 mm																																												

METAL

Order number (corresponds to Bosch type)	Jigsaw blades made of HSS								Jigsaw blades made of BiM								BiM	HSS	BiM						
	623636000 (T 118 G)	623637000 (T 118 A)	623924000 (T 118 A)	623647000 (T 218 A)	623926000 (T 218 A)	623629000 (T 318 A)	623638000 (T 118 B)	623925000 (T 118 B)	623697000 (T 318 B)	623971000 (T 118 AF)	623950000 (T 118 AF)	623978000 (T 318 AF)	623979000 (T 318 BF)	623970000 (T 118 EOF)	623973000 (T 118 BF)	623929000 (T 118 BF)				623604000 (T 718 BF)	623972000 (T 118 EF)	623676000 (T 123 X)	623639000 (T 127 D)	623648000 (T 227 D)	623974000 (T 127 DF)
				progressively toothed	for curved cuts	for curved cuts, progressively toothed	long version	progressively toothed	long version			progressively toothed		for curved cuts	progressively toothed	extra long	universally progressively toothed		fast	for curved cuts	fast	universally progressively toothed			
steel sheets/non-ferrous metals < 1.5 mm	■		■	■	■	■	■	■	■	■	■	■				■									
steel sheets/non-ferrous metals < 3.0 mm		■	■	■	■	■	■	■	■	■	■	■				■		■	■	■	■	■	■	■	■
steel sheets/non-ferrous metals > 3.0 mm																									
pipes/profiles < 30 mm	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
pipes/profiles > 30 mm																									
aluminium/non-ferrous metals < 15 mm																									
aluminium/non-ferrous metals > 15 mm																									
sandwich materials < 65 mm	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
sandwich materials > 65 mm																									
plastics < 30 mm	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□
plastics > 30 mm																									

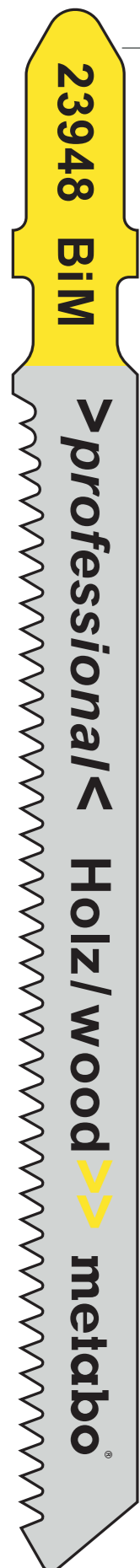
↑  
always use coolant lubrication when sawing aluminium  
↑  
can also be used for wood

SPECIAL APPLICATIONS

Order number (corresponds to Bosch type)	Material	Thickness	62362000 (T 118 AHM)	62363000 (T 118 EHM)	623687000 (T 301 GHM)	623652000 (T 141 HM)	623671000 (T 341 HM)	623640000 (T 101 A)	623641000 (T 113 A)	623684000 (T 313 AV)	623657000 (T 130 Riff)	623658000
			Stainless steel sheets (Inox) non-ferrous metals	1-2 mm	2-4 mm	■						
Glass-fibre reinforced plastic/Corian	4-60 mm				■	■	■				■	■
Gypsum plaster/cement fibreboard	5-50 mm	5-80 mm				■						
Ceramics/Glass												
Plexiglass/Polycarbonate	2-20 mm							■				
Polystyrene/cardboard/leather/rubber/carpet	< 50 mm								■	■		

**Legend**  
 Progressively toothed = Tooth pitch ascending suitable for both thin and thick materials  
 reverse toothed = clean cutting edges at the top, caution: deactivate the pendulum action!  
 ■ highly suitable  
 □ Only suitable under certain circumstances

# JIGSAW BLADES



## Features of the Metabo jigsaw blades

### Colour

The colour indicates for which material the blade is best suited.

- Yellow** for wood
- Yellow with blue lettering** For wood with nails
- Blue** For metal
- Black** For special applications

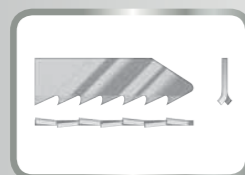
### Basic blade material

- HCS** Carbon steel, for cutting soft wood, hardboards, plastics
- HSS** High yielding high-speed steel, suitable for metal, aluminium work
- BiM** Bi-metal: particularly flexible mix of HCS and HSS. The saw blades have a much higher life expectancy than HCS and HSS and have proven their worth when there is risk of the shaft breaking
- Carbide** Carbide, these particularly high performing saw blades are suitable for stainless steels, fibreglass reinforced plastic, gypsum plaster or cement fibre boards. Saw blades with a carbide coating are suitable to cut ceramic tiles

### Quality classes

- »Classic« series good finish results with very good tool life
- »Professional« series Fast, clean and precise angle-cutting with long service life
- »Pionier« series Quick through all materials
- »Expert« series For special applications

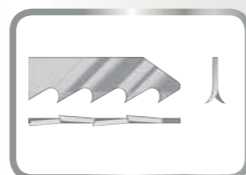
### Version



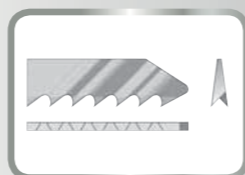
**Teeth milled, offset for clearance gap**  
A relatively rough cut, fast progress in cutting on hard and soft wood, aluminium, non-ferrous metals and plastics



**Teeth milled, waved for clearance gap**  
A fine cut with straight tool guidance in hard and soft wood, aluminium, non-ferrous metals and plastics



**Teeth ground, offset for clearance gap**  
Fast cutting in hard and soft woods

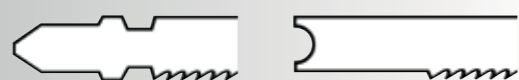


**Teeth ground, offset for clearance angle and clearance gap**  
Fine and clean cut in wood and plastics

### Shank forms

The jigsaw blades from Metabo are produced with all shank forms matching the jigsaws of other brand names.

Single-lug bayonet shank U-shank



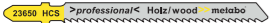
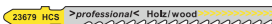

# Jigsaw Blades






## Jigsaw blades with single lug bayonet shank

- Suitable for Metabo, AEG, Black & Decker, Bosch, DeWalt, Festo, Hitachi, Holz-Her, Kress, Makita, Skil ...

Version	Material	Usable length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
<b>for wood, »classic« series</b>							
23631 HCS							
Hardwood, softwood, chipboards, wood-core plywood 2-15 mm, fibre boards 2-15 mm, plastics, insulating material							
Milled, wavy	HCS	51	1	2.0 mm	T 119 B	5	623631000*
23620 HCS							
Hardwood, softwood, chipboards, wood-core plywood 2-15 mm, fibre boards 2-15 mm, plastic, insulation material, saw blades with immersion tip							
Milled, wavy	HCS	66	1	1.9 - 2.3 mm / 13-11 TPI / Progressive	T119B	5	623920000*
23646 HCS							
Hardwood, softwood, chipboards, wood-core plywood 2-20 mm, fibre boards 2-20 mm, plastics, insulating material, especially for curved cuts							
Milled, wavy	HCS	51	1	2.0 mm	T 119 BO	5	623646000*
						25	623605000*
23632 HCS							
Hardwood, softwood, plastics 4-50 mm, for fast, rough cuts							
Milled, offset	HCS	74	1.25	3.0 mm	T 111 C	5	623632000*
						25	623606000*
<b>for wood, »professional« series</b>							
Fast, clean and precise with a long tool life							
23633 HCS							
Hardwood, softwood, chipboards, wood-core plywood 5-50 mm, for quick cuts							
ground, offset	HCS	74	1.25	4.0 mm	T 144 D	3	623964000*
						5	623633000*
						25	623690000*
						100	623712000
23621 HCS							
Hardwood, softwood, chipboards, wood-core plywood 5-50 mm, for quick cuts, saw blade with plunge tip							
ground, offset	HCS	74	1.25	4-5.2 mm / 6-5 TPI / Progressive	T 144 D	5	623921000*
23649 HCS							
Hardwood, softwood, chipboards, wood-core plywood 5-50 mm, especially for curved cuts							
ground, offset	HCS	74	1.25	4.0 mm	T 244 D	5	623649000*
						25	623607000*
23660 HCS							
Hardwood, softwood, chipboards, wood-core plywood 5-50 mm, especially for curved cuts, saw blade with plunge tip							
ground, offset	HCS	74	1.25	4-5.2 mm / 6-5 TPI / Progressive	T 244 D	5	623960000*
23678 HCS							
Hardwood, softwood, chipboards, wood-core plywood 2-15 mm, fibre boards, for quick cuts							
ground, offset	HCS	126	1.25	4.0 mm	T 344 D	5	623678000*
23680 HCS							
Hardwood, softwood, chipboards, wood-core plywood, fibre boards, construction wood, extra thick							
ground, offset	HCS	155	1.5	4.0 mm	T 744 D	5	623603000*
23651 HCS							
Softwood, plywood, plastics 1.5-5 mm, especially for clean cuts, especially for curved cuts							
Clearance angle offset, pointed teeth	w	57	1.25	1.4 mm	T 101 AO	5	623651000*
						25	623624000*

\*Self-service packaging

Version	Material	Usable length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 <b>23634 HCS</b> »professional« Holz/wood metabo	Hardwood, softwood, chipboards, wood-core plywood, fibre boards, plastics 3-30 mm, for clean cuts						
Clearance angle offset, tooth ground	HCS	74	1.5	2.5 mm	T 101 B	3	623961000*
						5	623634000*
						25	623691000*
						100	623703000
 <b>23635 HCS</b> »professional« Holz/wood metabo	Hardwood, softwood, chipboards, wood-core plywood, fibre boards, plastics 3-30 mm, for clean cuts, saw blades with plunge tip						
Clearance angle offset, tooth ground	HCS	74	1.5	2.7 mm/ 9 TPI	T 101 B	5	623969000*
 <b>23650 HCS</b> »professional« Holz/wood metabo	Hardwood, softwood, chipboards, wood-core plywood, fibre boards, coated boards 3-30 mm, for clean cuts, Caution: deactivate the pendulum action!						
Clearance angle, tooth ground reverse gear cutting	HCS	74	1.5	2.5 mm	T 101 BR	5	623650000*
						25	623608000*
 <b>23633 HCS</b> »professional« Holz/wood metabo	Hardwood, softwood, chipboards, wood-core plywood 10-45 mm, fibre boards 10-45 mm, for clean cuts						
Clearance angle offset, tooth ground	HCS	74	1.5	4.0 mm	T 101 D	3	623962000*
						5	623635000*
						25	623609000*
						100	623704000
 <b>23923 HCS</b> »professional« Holz/wood metabo	Hardwood, softwood, chipboards, wood-core plywood 10-45 mm, fibre boards 10-45 mm, for clean cuts, saw blade with plunge tip						
Clearance angle offset, tooth ground	HCS	74	1.5	4-5.2 mm/ 6-5 TPI/ Progressive	T 101 D	5	623923000*
 <b>23654 HCS</b> »professional« Holz/wood metabo	Hardwood, softwood, chipboards, wood-core plywood 4-60 mm, fibre boards 4-60 mm, for clean cuts						
Clearance angle offset, tooth ground	HCS	91	1.5	3.0 mm	T 301 CD	5	623654000*
 <b>23654 HCS</b> »professional« Holz/wood metabo	Hardwood, softwood, doors, kitchen counters 5-50 mm, for precise angle cuts, extra thick						
ground, offset	HCS	74	1.7	4.0 mm	T 144 DP	5	623694000*
 <b>23679 HCS</b> »professional« Holz/wood metabo	Hardwood, softwood, chipboards, wood-core plywood 5-100 mm, fibre boards 5-100 mm, for angle-precise cuts, extra thick						
precision ground, tooth ground	HCS	104	1.7	4.0 mm	T 344 DP	5	623679000*
 <b>23883 HCS</b> »professional« Holz/wood metabo	Kitchen counters, hardwood 3-65 mm, softwood 3-65 mm, doors, for precise angle cuts, extra thick						
Clearance angle offset, tooth ground	HCS	91	1.7	2.5 mm	T 301 BCP	5	623685000*
 <b>62398 HCS</b> »professional« Holz/wood metabo	Perfect on both sides, splinter-free cutting result, for fast cuts, soft wood. Attention: deactivate pendulum stroke!						
Clearance angle offset, tooth ground	HCS	93	1.5	2.2 mm	T 308 B	5	623998000*
<b>for wood, »professional« series, BiM</b> Fast, clean and precise with a very long tool life							
 <b>23976 BiM</b> »professional« Holz/wood metabo	Hardwood, softwood, coated boards 5-50 mm, for quick cuts						
ground, offset	BiM	74	1.25	4.0 mm	T 144 DF	5	623976000*
 <b>23933 BiM</b> »professional« Holz/wood metabo	Hardwood, softwood, wood with nails, laminated board 5-50 mm, for quick cuts, saw blade with plunge tip						
ground, offset	BiM	74	1.25	4-5.2 mm/ 6-5 TPI/ Progressive	T 144 DF	5	623933000*
 <b>23360 BiM</b> »professional« Holz/wood metabo	Hardwood, softwood, coated boards 5-100 mm, for quick cuts						
ground, offset	BiM	126	1.25	4.0 mm	T 344 DF	5	623980000*

Version	Material	Usable length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 <b>23695 BiM</b> »professional« Holz/wood metabo	Especially for laminate, laminated flooring, hardwood, softwood, coated boards, plywood, especially for curved cuts, for clean cuts						
Clearance angle offset, tooth ground, pointed teeth	BiM	57	1.25	1.4 mm	T 101 AOF	5	623695000*
 <b>23648 BiM</b> »professional« Holz/wood metabo	Especially for laminate, laminated flooring, hardwood, softwood, coated boards, plastics 2-30 mm, for clean cuts						
Clearance angle offset, tooth ground, pointed teeth	BiM	74	1.25	1.7 mm	T 101 AIF	5	623948000*
 <b>23975 BiM</b> »professional« Holz/wood metabo	Hardwood, softwood, laminated flooring, coated boards, plastics 3-30 mm, for clean cuts, saw blade with plunge tip						
Clearance angle offset, tooth ground	BiM	74	1.25	2.7 mm	T 101 BF	5	623975000*
 <b>23646 BiM</b> »professional« Holz/wood metabo	Especially for laminate, laminated flooring, kitchen counters 3-30 mm, coated boards, for clean cuts, Caution: deactivate the pendulum action!						
Clearance angle, tooth ground reverse gear cutting	BiM	74	1.25	2.5 mm	T 101 BRF	5	623686000*
 <b>23696 BiM</b> »professional« Holz/wood metabo	Hardwood, softwood, coated boards 4-60 mm						
Clearance angle offset, tooth ground	BiM	91	1.5	3.0 mm	T 301 CDF	5	623696000*
 <b>23877 BiM</b> »professional« Holz/wood metabo	Hardwood, softwood, chipboards, plywood 5-80 mm, fibreglass boards 5-30 mm, for quick cuts						
Clearance angle offset, tooth ground	BiM	105	1.5	3.0 mm	T 301 CLF	5	623977000*
 <b>23649 BiM</b> »professional« Holz/wood metabo	Hardwood, softwood, wood with nails, non-ferrous metals, plastics						
Ground	BiM	90	1	2.5 mm	T 111 HF	5	623949000*
 <b>62399 BiM</b> »professional« Holz/wood metabo	Perfect on both sides, splinter-free cutting result, for fast cuts, hardwood. Attention: deactivate the pendulum action!						
Clearance angle offset, tooth ground	BiM	93	1.5	2.2 mm	T 308 BF	5	623999000*
<b>for wood, »Pionier« series</b> Quick and clean in all wood thicknesses							
 <b>23675 HCS</b> »Pionier« Holz/wood metabo	Hardwood, softwood, chipboards, wood-core plywood, fibre boards, for quick cuts						
Clearance angle offset, tooth ground	HCS	91	1.5	2,0-3,0 mm, Progressive	T 234 X	5	623675000*
						25	623617000*
<b>Universal, »Pionier« series</b> For wood, metal, plastics							
 <b>62367 BiM</b> »Pionier« Holz/Metall / wood+metal metabo	Wood, wood with nails, metal, non-ferrous metals, plastics						
Offset, milled	BiM	106	1.25	2,4-5,0 mm, Progressive	T 345 XF	5	623677000*
						25	623621000*
<b>for metal, »classic« series</b>							
 <b>23626 HSS</b> »classic« Metall/metal metabo	Steel sheets 0.5-1.5 mm, non-ferrous metals						
Milled, wavy	HSS	66	1	0.7 mm	T 118 G	5	623636000*
						25	623693000*
 <b>23637 HSS</b> »classic« Metall/metal metabo	Steel sheets 1-3 mm, non-ferrous metals						
Milled, wavy	HSS	51	1	1.2 mm	T 118 A	3	623965000*
						5	623637000*
						25	623692000*

\*Self-service packaging

Version	Material	Usable length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
<b>23924 HSS</b> <b>for aluminium and non-ferrous metals, »expert« series</b> Especially for aluminium and non-ferrous metals							
Milled, wavy	HSS	66	1	1.1-1.5 mm / 23-17 TPI / Progressive	T 118 A	5	623924000*
<b>23647 HSS</b> <b>Sheet steel 1-3 mm, non-ferrous metals, especially for curved cuts</b>							
Milled, wavy	HSS	51	1	1.2 mm	T 218 A	5	623647000*
	HSS	66	1	1.1-1.5 mm / 23-17 TPI	T 218 A	5	623926000*
<b>23629 HSS</b> <b>Steel sheets 1-3 mm, non-ferrous metals, sandwich materials</b>							
Milled, wavy	HSS	106	1	1.2 mm	T 318 A	5	623629000*
						25	623623000*
<b>23638 HSS</b> <b>Steel sheets 2.5-6 mm, non-ferrous metals</b>							
Milled, wavy	HSS	51	1	2.0 mm	T 118 B	5	623638000*
						25	623618000*
<b>23925 HSS</b> <b>Steel sheets 2.5-6 mm, non-ferrous metals</b>							
Milled, wavy	HSS	66	1	1.9-2.3 mm / 13-11 TP I / Progressive	T 118 B	5	623925000*
	HSS	106	1	2.0 mm	T 318 B	5	623697000*
<b>for metal, »professional« series</b> Unbreakable, with long tool life							
<b>23971 BiM</b> <b>Steel sheets 1-3 mm, non-ferrous metals</b>							
Milled, wavy	BiM	51	1	1.2 mm	T 118 AF	5	623971000*
<b>23950 BiM</b> <b>Steel sheets 1-3 mm, non-ferrous metals</b>							
Milled, wavy	BiM	66	1	1.1-1.5 mm / 23-17 TPI / Progressive	T 118 AF	5	623950000*
<b>23978 BiM</b> <b>Steel sheets 1-3 mm, sandwich materials 2-65 mm, non-ferrous metals, Perspex</b>							
Milled, wavy	BiM	106	1	1.1 mm	T 318 AF	5	623978000*
<b>23973 BiM</b> <b>Steel sheets 2.5-6 mm, non-ferrous metals</b>							
Milled, wavy	BiM	51	1	2.0	T 118 BF	5	623973000*
	BiM	66	1	1.9-2.3 mm / 13-11 TPI	T 118 BF	5	623929000*
<b>23975 BiM</b> <b>Steel sheets 2.5-6 mm, sandwich materials 2-65 mm, non-ferrous metals, Perspex</b>							
Milled, wavy	BiM	106	1	1.8 mm	T 318 BF	5	623979000*
<b>23684 BiM</b> <b>Steel sheets 2.5-6 mm, sandwich materials 2-120 mm, non-ferrous metals, Perspex.</b>							
Milled, offset	BiM	150	1.25	2.0 mm	T 718 BF	5	623604000*
<b>23972 BiM</b> <b>Steel sheets 2-5 mm, non-ferrous metals</b>							
Milled, wavy	BiM	50	1	1.5 mm	T 118 EF	5	623972000*
<b>23970 BiM</b> <b>Sheet steel 1.5 - 4 mm, especially for curved cuts</b>							
Milled, wavy	BiM	57	1.25	1.5 mm	T 118 EOF	5	623970000*
<b>for metal, »Pionier« series</b> Quick and clean in all material thicknesses							
<b>23810 HCS</b> <b>Steel sheets 1.5-10 mm, non-ferrous metals to 30 mm</b>							
Milled, offset	BiM	74	1	1.4 - 2.6 mm, Progressive	T 123 XF	5	623676000*
						25	623620000*

Version	Material	Usable length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
<b>for aluminium and non-ferrous metals, »expert« series</b> Especially for aluminium and non-ferrous metals							
<b>23639 HSS</b> <b>Aluminium 3-15 mm, non-ferrous metals 4-20 mm, plastics, for quick cuts</b>							
Milled, offset	HSS	74	1	3.0 mm	T 127 D	5	623639000*
						25	623622000*
<b>23648 HSS</b> <b>Aluminium 3-15 mm, non-ferrous metals 4-20 mm, especially for curved cuts</b>							
Milled, offset	HSS	74	1	3.0 mm	T 227 D	5	623648000*
<b>23974 BiM</b> <b>Aluminium 3-15 mm, non-ferrous metals 4-20 mm, plastics, for quick cuts</b>							
Milled, offset	BiM	75	1	3.0 mm	T 127 DF	5	623974000*
<b>for stainless steel, »expert« series</b> Especially for stainless steel, Inox							
<b>23682 HM</b> <b>Stainless steel sheets (Inox) 1-2 mm, non-ferrous metals</b>							
Ground	HM	57	1	1.1 mm	T 118 AHM	3	623662000*
<b>23683 HM</b> <b>Stainless steel sheets (Inox) 2-4 mm, non-ferrous metals</b>							
Ground	HM	57	1	1.4 mm	T 118 EHM	3	623663000*
<b>for plastics, »expert« series</b> For special applications, e.g. plastics							
<b>23687 HM</b> <b>Fibreglass reinforced plastics, Corian 4-60 mm</b>							
Ground	HM	91	1.25	3.3 mm	T 301 CHM	3	623687000*
<b>for gypsum carton/cement materials, »expert« series</b> For special applications, e.g. gypsum carton, cement materials							
<b>23652 HM</b> <b>Gypsum carton, cement fibre board 5-50 mm, fibreglass reinforced plastics 5-20 mm</b>							
Ground	HM	74	1.25	4.3 mm	T 141 HM	1	623652000*
<b>23688 HM</b> <b>Gypsum carton, cement fibre board 5-80 mm, fibreglass reinforced plastics 5-50 mm</b>							
Ground	HM	106	1.25	4.3 mm	T 341 HM	1	623688000*
						3	623671000*
<b>for Perspex, »expert« series</b> For special applications, e.g. Perspex.							
<b>23640 HSS</b> <b>Perspex, polycarbonate 2-20 mm, non-ferrous metals 2-10 mm</b>							
Clearance angle offset, tooth ground	HSS	74	1.25	2.0 mm	T 101 A	5	623640000*
<b>for soft materials, »expert« series</b> For special applications, e.g. soft materials, carton							
<b>23641 HCS</b> <b>Polystyrene, cardboard, leather, rubber, carpet up to 50 mm</b>							
Knife ground, straight	HCS	74	1.25		T 113 A	5	623641000*
<b>23684 HCS</b> <b>Polystyrene, cardboard, leather, rubber, carpet up to 50 mm</b>							
Blades ground, wavy	HCS	126	1		T 313 AW	3	623684000*

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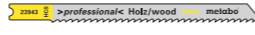







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\*Self-service packaging





Version	Material	Usable Length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
for ceramic materials, »expert« series for special applications, e.g. ceramic materials							
	Ceramic, glass, fibre glass reinforced plastics, cast iron						
Coarse	HM, coated	76	0.8	-	T 130 Riff	1	623657000*
	Ceramic, glass, fibre glass reinforced plastics, cast iron						
Fine	HM, coated	76	0.8	-	T 150 Riff	1	623658000*

Jigsaw Blade Assortments with Single Lug Bayonet Shank







	Order number
 <p><b>Jigsaw blade assortment 1</b></p> <ul style="list-style-type: none"> <li>For wood and metal</li> <li>HCS saw blades/HSS saw blade</li> </ul> <p>Suitable for Metabo, AEG, Atlas Copco, Black &amp; Decker, Bosch, DeWalt, Elu, Festool, Hitachi, Holz-Her, Kress, Makita, Skil ...</p> <p>Consisting of 1 saw blade each: 623634000, 623633000, 623637000</p> <p>For wood, metal</p> <p>Number of parts: 3</p>	623968000*
 <p><b>Jigsaw blade assortment 2</b></p> <ul style="list-style-type: none"> <li>For wood, metal and plastic</li> <li>HCS saw blades/HSS saw blade</li> </ul> <p>Suitable for Metabo, AEG, Atlas Copco, Black &amp; Decker, Bosch, DeWalt, Elu, Festool, Hitachi, Holz-Her, Kress, Makita, Skil ...</p> <p>Consisting of 1 saw blade each: 623633000, 623635000, 623632000, 623631000 and 623637000</p> <p>For wood, metal</p> <p>Number of parts: 5</p>	623645000*
 <p><b>Jigsaw blade assortment 3</b></p> <ul style="list-style-type: none"> <li>For wood, metal and plastic</li> <li>HCS saw blades/HSS saw blades</li> </ul> <p>Suitable for Metabo, AEG, Atlas Copco, Black &amp; Decker, Bosch, DeWalt, Elu, Festool, Hitachi, Holz-Her, Kress, Makita, Skil ...</p> <p>Consisting of 2 saw blades each: 623634000, 623633000, 623646000, 623637000, 623638000</p> <p>Material suitability: Wood, metal, plastics</p> <p>Number of parts: 10</p>	623600000*
 <p><b>Jigsaw blade assortment 4</b></p> <ul style="list-style-type: none"> <li>For wood</li> <li>HCS saw blades</li> </ul> <p>Suitable for Metabo, AEG, Atlas Copco, Black &amp; Decker, Bosch, DeWalt, Elu, Festool, Hitachi, Holz-Her, Kress, Makita, Skil ...</p> <p>Consisting of 10 saw blades 623633000 and 623635000 and 5 saw blade 623649000</p> <p>For wood</p> <p>Number of parts: 25</p>	623698000*











Jigsaw blades with universal shank							
Version	Material	Usable length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
■ Suitable for Black & Decker, Skil, Kress and others							
<b>for wood, »classic« series</b>							
	Hardwood, softwood, chipboards, wood-core plywood, fibre boards 5-50 mm, for clean cuts						
Milled, offset	HCS	74	1.25	3.0 mm	U 111 C	5	623945000*
<b>for wood, »professional« series</b> Cleaner/quicker cut							
	Hardwood, softwood, chipboards, wood-core plywood, fibre boards 5-50 mm						
ground, offset	HCS	82	1.25	4.0 mm	U 144 D	5	623944000*
	Hardwood, softwood, plywood, coated board 1.5-15 mm, especially for curved cuts						
Clearance angle offset, pointed teeth	HCS	52	1.25	1.3 mm	U 1 AO	5	623936000*
	Hardwood, softwood, chipboards, wood-core plywood, fibre boards 10-45 mm, for clean cuts						
Clearance angle offset, tooth ground	HCS	82	1.25	2.5 mm	U 101 B	5	623943000*
	Hardwood, softwood, chipboards, wood-core plywood, fibre boards 3-30 mm, for clean cuts						
Clearance angle offset, tooth ground	HCS	82	1.25	4.0 mm	U 101 D	5	623942000*
<b>for wood, »professional« series, BiM</b> Fast with long tool life							
	Hardwood, softwood, chipboards, wood-core plywood, fibre boards 3-30 mm, coated boards, for clean cuts						
Clearance angle offset, tooth ground	BiM	82	1.25	2.5 mm	U 101 BF	5	623905000*
<b>for wood »Pionier« series</b> Quick and clean in all wood thicknesses							
	Hardwood, softwood, chipboards, wood-core plywood 2-65 mm, for quick cuts						
Clearance angle offset, tooth ground	HCS	90	1.5	2.0-3.0 mm, Progressive	U 234 X	5	623903000*
<b>for wood and metal, »Pionier« series</b> For wood, metal, plastics							
	Wood, wood with nails, metal, non-ferrous metals, plastics						
Milled, offset	BiM	107	1.25	2.4 - 5.0 mm, Progressive	U 345 XF	5	623906000*
<b>for metal, »classic« series</b>							
	Sheet steel, 0.5 - 1.5 mm,						
Milled, wavy	HSS	52	0.8	0.7 mm	U 118 G	5	623938000*
	Steel sheets 1-3 mm						
Milled, wavy	HSS	52	0.8	1.2 mm	U 118 A	5	623941000*
	Steel sheets, 2.5-6 mm,						
Milled, wavy	HSS	52	1	2.0 mm	U 118 B	5	623940000*

\*Self-service packaging

Version	Material	Usable length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
<b>for metal, »professional« series</b> Unbreakable, with long tool life							
							
Steel sheets 1-3 mm							
Milled, wavy	BiM	52	0.8	1.2 mm	U 118 AF	5	623907000*
							
Steel sheets, 2.5-6 mm,							
Milled, wavy	BiM	74	0.8	2.0 mm	U 118 BF	5	623937000*
<b>for metal, »Pionier« series</b> Quick and clean in all material thicknesses							
							
Steel sheets 1.5-10 mm, pipes, profiles up to 30 mm							
Milled, offset	BiM	74	1	1.2 - 2.6 mm, Progressive	U 123 XF	5	623909000*
<b>for aluminium and non-ferrous metals, »expert« series</b> Especially for aluminium and non-ferrous metals							
							
Aluminium, non-ferrous metals 3-15 mm, pipes, profiles up to 30 mm							
Milled, offset	HSS	74	1	3.0 mm	U 127 D	5	623939000*

Other Accessories for Jigsaws

	Order number
 <b>Guard plate</b> <ul style="list-style-type: none"> <li>For fitting on the base plate of the jigsaw</li> <li>The plastic universal guard plate for protecting all work piece surfaces</li> <li>Guide rail adapter can be coupled on both sides, compatible with Metabo, Mafell and Bosch</li> <li>Rubberised immersion aid for plunge cuts</li> <li>Chip guard plates can be used</li> </ul> Suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140	623595000*
 <b>Guard Plate</b> <ul style="list-style-type: none"> <li>For fitting on the base plate of the jigsaw</li> <li>The plastic felt guard plate prevents extremely sensitive work piece surfaces from scratches, incl. 3 replacement felts</li> <li>Guide rail adapter can be coupled on both sides, compatible with Metabo, Mafell and Bosch</li> <li>Rubberised immersion aid for plunge cuts</li> <li>Chip guard plates can be used</li> </ul> Suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140	623596000*
 <b>Guard plate</b> <ul style="list-style-type: none"> <li>For fitting on the base plate of the jigsaw</li> <li>The durable plastic laminated fabric guard plate (pertainax) for wood or wood-like work piece surfaces</li> <li>Guide rail adapter can be coupled on both sides, compatible with Metabo, Mafell and Bosch</li> <li>Rubberised immersion aid for plunge cuts</li> <li>Chip guard plates can be used</li> </ul> Suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140	623597000*
 <b>Guard plate</b> <ul style="list-style-type: none"> <li>For fitting on the base plate of the jigsaw</li> <li>The guard plate protects sensitive work piece surfaces from scratches</li> </ul> suitable for machine: STEB 65 Quick, STEB 70 Quick, STEB 80 Quick, STE 90 SCS, STE 100 SCS, STA 18 LTX, STE 100 Plus, STE 135, STE 135 Plus, STEB 135, STEB 135 Plus	623664000*
 <b>Circle-cutting and Parallel Guide</b> <ul style="list-style-type: none"> <li>For cutting circles of Ø 100 to Ø 360 mm and for cutting parallel to an edge (maximum distance from the edge 210 mm).</li> </ul> Suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140, STEB 65 Quick	623591000*
 <b>Circle-cutting and Parallel Guide</b> <ul style="list-style-type: none"> <li>For cutting circles of Ø 100 to Ø 360 mm and for cutting parallel to an edge (maximum distance from the edge 210 mm).</li> </ul> Suitable for machine: STE 100 Plus, STE 135, STE 135 Plus, STEB 135, STEB 135 Plus, STA 18 LTX, STEB 70 Quick, STEB 80 Quick, STE 90 SCS, STE 100 SCS	631340000*

	Order number
 <b>Precision guide rail</b> <ul style="list-style-type: none"> <li>Guide rail made of sturdy, anodised aluminium extrusion</li> <li>Anti-slip backing provides safe and reliable support and protects the work piece surface against scratches</li> <li>Guide rule, adjustable to eliminate play</li> </ul> suitable for: Metabo jigsaws, circular saws and router models OFE 738 and Of E 1229 Signal (when using the appropriate accessories; KS 55 FS, KSE 55 Vario Plus, KS 66 Plus, KSE 68 Plus can be used directly); also suitable for the CED 125 Plus cutting guard in connection with an angle grinder Total length: 1,500 cm	631213000
 <b>Guide rail with bag</b>	631213700
 <b>Guiding Device</b> <ul style="list-style-type: none"> <li>For using jigsaws in conjunction with the precision guide rail</li> </ul> Suitable for machine: STE 100 Plus, STE 135, STE 135 Plus, STEB 135, STEB 135 Plus, STA 18 LTX, STEB 70/80 Quick, STE 90/100 SCS, STEB 65 Quick	631249000
 <b>Connector</b> <ul style="list-style-type: none"> <li>For the trouble-free joining together of two precision guide rails</li> </ul>	631211000*
 <b>Set of two clamps</b> <ul style="list-style-type: none"> <li>For fixing the precision guide rail on the work piece or work table</li> </ul>	631031000*
 <b>Lubricating / Cooling Stick</b> <ul style="list-style-type: none"> <li>Increase of durability with tools, for example, core drills, magnetic drills, BiM hole saws, routers or saw blades</li> </ul>	623443000
 <b>3 Chip break guard plates</b> Suitable for machine: STE 100 Plus, STE 135, STE 135 Plus, STEB 135, STEB 135 Plus	623665000*
 <b>3 Chip break guard plates</b> suitable for machine: STEB 65 Quick, STEB 70 Quick, STEB 80 Quick, STE 90 SCS, STE 100 SCS, STA 18 LTX, ST 50 Pendix, STE 70, STE 80 Quick, STE 140, STE 140 Plus, STEB 140, STEB 140 Plus, STA 18 LTX 140	631208000*
 <b>Extraction Set</b> <ul style="list-style-type: none"> <li>Extraction set with corrugated end for safe connection to the Metabo all-purpose vacuum cleaner with suction hose Ø 27 mm and 35 mm.</li> </ul> Suitable for machine: STA 18 LTX 140	623669000*
 <b>Extraction Set</b> <ul style="list-style-type: none"> <li>Extraction set with corrugated end for safe connection to the Metabo all-purpose vacuum cleaner with suction hose Ø 27 mm and 35 mm</li> </ul> Suitable for machine: STE 140, STE 140 Plus, STEB 140, STEB 140 Plus	623670000*
 <b>Suction hose</b> <ul style="list-style-type: none"> <li>With bayonet fitting and rubber connector (internal Ø 30 mm, outside Ø 35 mm)</li> </ul> Connector Ø: 58 mm / 35 mm Hose length: 3.5 m Suction hose Ø: 27 mm	631938000
 <b>Suction hose</b> <ul style="list-style-type: none"> <li>Antistatic suction hose</li> <li>With bayonet fitting and rubber connector (internal Ø 30 mm, outside Ø 35 mm)</li> </ul> Connector Ø: 58 mm / 35 mm Hose length: 3.5 m Suction hose Ø: 27 mm	631939000

\*Self-service packaging



# ROBUST SABRE SAWS: FOR POWERFUL SAWING.

Few tools offer as much versatility as a sabre saw. In the renovation and construction trade it provides the ideal choice for rough cuts such as cutting pipes, wood and insulating boards, or the trimming of aerated blocks and much more. With the SSEP 1400 MVT and the smaller model SSE 1100, Metabo offers two particularly robust and powerful sabre saws.



**Optimal handling**  
Thanks to sturdy die-cast aluminium gear housing

**For the toughest applications**  
thanks to powerful 1,400 Watt motor with stroke maintenance

**Metabo Quick**  
for changing saw blades without tools

**Maximum control**  
with speed control trigger c/w locking function and thumbwheel for stroke preselection

**Selectable 3-level pendulum stroke**  
for optimum sawing performance in any material

**Metabo VibraTech (MVT)**  
Integrated weight balance to reduce vibrations

**VARIO CONSTAMATIC**

SSEP 1400 MVT



Sabre saws can, thanks to the universal range of sabre saw blades, be used in different materials, such as here in aerated concrete.



Using the **SSEP 1400 MVT** from Metabo, construction and renovation trade professionals' progress quickly, even in the most demanding applications, thanks to the powerful 1,400 Watt.



The **SSE 1100** is suited for all standard applications, for example for shortening pipes, for cutting wood and insulation boards and much more.



### Technical data

	Cordless Sabre Saw PowerMaxx ASE	Cordless Sabre Saw ASE 18 LTX
Type of battery pack	Li-Ion	Li-Ion / LiHD
Battery pack voltage	10.8 V	18 V
Strokes – no load	0 - 3,100 /min	0 - 2,700 /min
Saw blade stroke	13 mm	30 mm
Weight (including battery pack)	1.2 kg	3.6 kg

### Scope of delivery

Order number	602264	602269
Jigsaw blade for metal	■	
Sabre saw blade for wood and metal	■	
Hexagonal wrench		■
2 Li-Power battery packs (10.8 V/2.0 Ah)	■	
2 Li-Power battery packs (18 V/5.2 Ah)		■
ASC 30-36 V »AIR COOLED« charger		■
Charger LC 40	■	
Plastic carry case	■	■

Equipment variants can be found in the Metabo price list and on the internet

### Product advantages

- Light, extremely handy saw for one or two handed operation.
- Especially suitable for working in difficult to reach places.
- Extended range of application thanks to unique quick retainer for sabre saw blades and jigsaw blades
- Depth guide can be adjusted without tools for the ideal utilisation of the saw blade and diverse applications such as plunge cuts
- Integrated LED work light for optimum illumination of the cutting line
- Practical capacity display for checking the charge status
- Vario (V)-electronics for working with customised strokes for the materials used
- Metabo Quick for changing saw blades without tools
- Wide range of uses thanks to the adapted Metabo saw blade range
- Slim, lightweight machine with soft-grip handle for comfortable sawing in every working position
- Robust aluminium die-cast gear housing, coated for optimum handling
- Saw blade rotatable by 180° for working comfortably overhead
- Depth guide can be adjusted without tools for the ideal utilisation of the saw blade and diverse applications such as plunge cuts
- Battery packs with capacity display for checking the charge status

### System components

Accessories → 357, 371

Battery packs → 64

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Technical data	Sabre Saw SSEP 1400 MVT	Sabre Saw SSE 1100
Rated input power	1,400 W	1,100 W
Output power	600 W	550 W
Strokes in idle	0 - 2,800 /min	0 - 2,600 /min
Saw blade stroke	32 mm	28 mm
Pendulum stroke levels	3	0
Weight (without power cable)	4.6 kg	3.9 kg
Cable length	4 m	4 m

Scope of delivery	606178	606177
Order number	606178	606177
Saw blade wood	■	
Saw blade metal	■	
Saw blade wood + metal		■
Plastic carry case	■	■

- Product advantages**
- Powerful 1400 Watt motor with constant stroke rate for very demanding applications
  - Selectable 3-level pendulum stroke for optimum sawing performance in any material
  - Metabo VibraTech (MVT): integrated weight balance to reduce vibrations
  - Vario-Tacho-Constamatic (VTC)-Full wave electronics for working with customised strokes for the materials used that remain almost constant under load
  - Maximum control with speed control trigger c/w locking function and thumbwheel for stroke preselection
  - Integrated LED work light for optimum illumination of the cutting line
  - Robust aluminium die-cast gear housing, coated for optimum handling
  - Metabo Quick for changing saw blades without tools
  - Saw blade rotatable by 180° for working comfortably overhead
  - Depth guide can be adjusted without tools for the ideal utilisation of the saw blade and diverse applications such as plunge cuts
  - Gear protected against dust and water splashes
  - Wide range of uses thanks to the adapted Metabo saw blade range
  - Slim machine with soft-grip handle for comfortable sawing in every working position
  - Vario (V)-electronics for working with customised strokes for the materials used
  - Continuous speed control trigger c/w locking function for continuous operation
  - Quick sawing progress thanks to powerful motor

## SABRE SAW BLADES.



### Features of the Metabo sabre saw blades

#### Colour

The colour indicates for which material the blade is best suited.

- Yellow** for wood
- Yellow with blue lettering** For wood/metal
- Blue** For metal
- Blue with red** For metal
- Black** For special applications

#### Basic blade material

- HCS** Carbon steel, for cutting soft wood, hardboards, plastics
- HSS** High yielding high-speed steel, suitable for metal, aluminium work
- BiM** Bi-metal: particularly flexible mix of HCS and HSS. The saw blades have a much higher life expectancy than HCS and HSS and have proven their worth when there is risk of the shaft breaking
- Carbide** Carbide, these particularly high performing saw blades are suitable for stainless steels, fibreglass reinforced plastic, gypsum plaster or cement fibre boards. Saw blades with a carbide coating are suitable to cut ceramic tiles

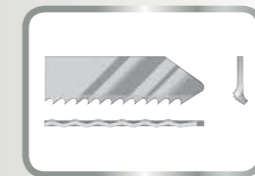
#### Quality classes

- »Classic« series good finish results with very good tool life
- »Flexible« series Unbreakable, flexible
- »Professional« series Stable, precise working, for tough applications
- »Professional premium« series Extremely high service life
- »Pionier« series Quick through all materials
- »Expert« series For special applications

#### Version



**Teeth milled, offset for clearance gap**  
A relatively rough cut, fast progress in cutting on hard and soft wood, aluminium, non-ferrous metals and plastics



**Teeth milled, waved for clearance gap**  
A fine cut with straight tool guidance in hard and soft wood, aluminium, non-ferrous metals and plastics



**Teeth ground, offset for clearance gap**  
Fast cutting in hard and soft woods



**Teeth ground, offset for clearance angle and clearance gap**  
Fine and clean cut in wood and plastics

#### Shaft form

The sabre saw blades from Metabo are produced with a universal shank shape matching the sabre saws of standard brand names.



METAL

Order number (corresponds to Bosch type)		631129000 (S 918 AF)	631130000 (S 918 BF)	631454000 (S 922 EF)	631493000 (S 1122 EF)	631990000 (S 422 BF)	631491000 (S 922 BF)	631494000 (S 1122 BF)	628260000 (S 925 VF)	631991000 (S 1025 VF)	628261000 (S 1125 VF)	628263000 (S 1125 VF)	631909000 (S 1025 BF)	631992000 (S 920 CF)	631993000 (S 1120 CF)	628255000 (S 926 BEF)	628256000 (S 1126 BEF)	628257000 (S 926 CHF)	631989000 (T 1126 CHF)	628258000 (S 1136 BEF)	628269000 (S 1136 CHF)	631914000 (S 123 XF)	
Material to be processed/ or applications		»flexible« sabre saw blades < 1.0 mm				»professional« sabre saw blades > 1.0 mm blade thickness								»premium«									
Sheet metal	< 3.0 mm	■		■	■	■			□	□	□	□	□										■
	< 8.0 mm		■				■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	> 8.0 mm								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Pipes, profiles	< 100 mm	■	■	■			■		■	□	□	□	□						□	□			■
	< 175 mm				■				■	■	■	■	■								□		
	< 250 mm											■											
Demolition and reconstruction work	-													■	■	■	■	■	■	■	■		

WOOD + METAL

Order number (corresponds to Bosch type)		631125000 (S 1211 H)	631492000 (S 922 VF)	631495000 (S 1122 VF)	631407000 (S 1222 VF)	631932000 (S 1022 HF)	631984000 (S 611 VF)	631985000 (S 711 VF)	631986000 (S 1111 VF)	631987000 (S 1411 VF)	631925000 (S 610 DF)	631926000 (S 1110 DF)	631915000 (S 3456 XF)	
Material to be processed/ or applications		»flexible« < 1.0 mm				»professional« > 1.0 mm								
Wood, chipboards	< 100 mm		□				■	■			■	■	■	
	< 175 mm			□	□				■			■	■	
	< 250 mm	■			□				■	■			■	
Wood with nails/metal inserts	< 100 mm		■				■	■			■	■	■	
	< 175 mm			■	■				■			■	■	
	< 250 mm	□			■				■				■	
Sheet metal	< 3.0 mm		■										■	
	< 8.0 mm			■	■								■	
	> 8.0 mm				■								■	
Pipes/profiles	< 100 mm		■										■	
	< 175 mm			■	■								■	
	< 250 mm				■								■	
Plastics/window frames	< 100 mm		■				■	■			■	■	■	
	< 175 mm			■	■				■			■	■	
	< 250 mm	□			■				■				■	
Pallet repairs	-				■							■		
Demolition and reconstruction work	-										■	□		

WOOD

Order number (corresponds to Bosch type)		628241000 (S 617 K)	628242000 (S 1617 K)	628244000 (S 1111 K)	631470000 (S 644 D)	631472000 (S 1344 D)	631488000 (S 1631 L)	631913000 (S 2345 X)
Material to be processed/ or applications		For curved cuts, fast, coarse	Extra long, fast, coarse	Fast, coarse	For plunge cuts	Extra long		Universally progressively toothed
Wood (dry), chipboard, plywood	< 100 mm				■			
	< 190 mm						■	■
	< 250 mm					■		
Wood (damp), firewood, removal of branches	< 100 mm	■						
	< 190 mm			■			■	
	< 250 mm		■					
Plastics	< 100 mm				■			
	< 190 mm							■
	< 250 mm					■		

SPECIAL APPLICATIONS

Order number (corresponds to Bosch type)		631817000 (S 518 EHM)	631818000 (S 1130 Riff)	631137000 (S 641 HM)	631146000 (S 1241 HM)	631819000 (S 2041 HM)	631144000 (S 713 AW)	631907000 (S 628 DF)	631916000 (S 1543 HM)	631917000 (S 1234 HM)	631918000 (S 2243 HM)
Material to be processed/ or applications				Short	Long	Extra long		Clean cuts			
Stainless steel sheet (Inox)	2-4 mm	■									
Plastics, glass-fibre reinforced plastics	-	■	■	■	■	■					
Cardboard, polystyrene, insulation materials	-						■				
Gypsum plaster	-							■			
Cast-iron pipes	< Ø 6"		■								
Brickwork	< 100 mm		■	■					■		
	< 250 mm				■					■	
	< 350 mm					■					■
Aerated concrete blocks, fibre-reinforced cement	< 100 mm			■					■		
	< 250 mm				■					■	
	< 350 mm					■					■
Masonry, brickwork, porous concrete, sand-lime brick, cement board	< 150 mm								■		
	< 215 mm									■	
	< 365 mm										■

**Legend**

Progressively toothed = Tooth pitch ascending suitable for both thin and thick materials

■ highly suitable

□ Only suitable under certain circumstances










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### Sabre Saw Blades with 1/2" Universal Shank

- Suitable for Metabo, AEG, Black & Decker, Bosch, DeWalt, Flex, Hitachi, Milwaukee, Porter Cable, Skil ...












#### for metal, »flexible« series

- Break-proof, flexible, sabre saw blades < 1.0 mm thick

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 Sheets 1-3 mm, profiles 5-100 mm Wavy, milled	BiM	150	0.9	1 mm/ 24TPI	S 918 AF	2	631129000*
 Sheets 2-8 mm, profiles 10-100 mm Wavy, milled	BiM	150	0.9	1.8 mm/ 14 TPI	S 918 BF	2	631130000*
 Sheets 0.7-3 mm, profiles Ø 0.5-100 mm, profiles 0.5-100 mm Offset, milled	BiM	150	0.9	1.4 mm/ 18 TPI	S 922 EF	2 5 25	631080000* 631454000* 628251000*
 Sheets 1.5-4 mm, profiles Ø 5-175 mm, profiles 5-175 mm for flush cuts Offset, milled	BiM	225	0.9	1.4 mm/ 18 TPI	S 1122 EF	2 5 25	631095000* 631493000* 628252000*
 Sheets 1.5-6 mm, especially for curved cuts Offset, milled	BiM	100	0.9	1.8 mm/ 14 TPI	S 422 BF	5	631990000*
 Sheets 3-8 mm, pipes, profiles Ø 10-100 mm Offset, milled	BiM	150	0.9	1.8 mm/ 14 TPI	S 922 BF	2 5 25 100	631093000* 631491000* 628253000* 625491000
 Sheets 3-8 mm, pipes, profiles Ø 10-175 mm, flush cuts Offset, milled	BiM	225	0.9	1.8 mm/ 14 TPI	S 1122 BF	2 5 25 100	631096000* 631494000* 628254000* 625492000
 Sheets 0.7-3 mm, profiles Offset, milled	BiM	100	0.9	1.4 mm/ 18 TPI	S 522 EF	5	628268000*
 Sheets 3-8 mm, profiles Offset, milled	BiM	100	0.9	2 mm/ 14 TPI	S 522 BF	5	628267000*

#### for metal, »professional« series



- Stable, precise, for tough applications, sabre saw blade > 1.0 mm thick

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 Sheets 2-12 mm, pipes, profiles Ø 10-100 mm Offset, milled	BiM	150	1.25	1,8-2.6 mm/ 10-14 TPI	S 925 VF	5	628260000*
 Sheets 2-12 mm, pipes, profiles Ø 10-150 mm Offset, milled	BiM	200	1.25	1,8-2.6 mm/ 10-14 TPI	S 1025 VF	5	631991000*
 Sheets 2-12 mm, pipes, profiles Ø 10-175 mm Offset, milled	BiM	225	1.25	1,8-2.6 mm/ 10-14 TPI	S 1125 VF	5 25	628261000* 628262000*
 Sheets 2-12 mm, pipes, profiles Ø 10-250 mm Offset, milled	BiM	300	1.25	1,8-2.6 mm/ 10-14 TPI	S 1225 VF	5	628263000*
 Sheets 2-8 mm, pipes, profiles Ø 10-150 mm Offset, milled	BiM	200	1.25	1.8 mm/ 14 TPI	S 1025 BF	5	631909000*
 Sheets 4-10 mm, pipes, profiles Ø 20-100 mm, for pipe cutting equipment, for breaking and renovation work, glass Offset, milled	BiM	150	1.6	2,5+3.2 mm/ 8+10 TPI	S 920 CF	5	631992000*
 Sheets 4-10 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for breaking and renovation work, glass Offset, milled	BiM	225	1.6	2,5+3.2 mm / 8+10 TPI	S 1120 CF	5	631993000*
 Sheets 3-8 mm, pipes, profiles Ø 20-100 mm, for pipe cutting equipment, for breaking and renovation work for straight, precise and particularly clean cuts Offset, milled	BiM	150	1.1	1,4+1.8 mm/ 14+18 TPI	S 926 BEF	5	628255000*
 Sheets 3-8 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for breaking and renovation work for straight, precise and particularly clean cuts Offset, milled	BiM	225	1.1	1,4+1.8 mm/ 14+18 TPI	S 1126 BEF	5	628256000*
 Sheets 4-10 mm, pipes, profiles Ø 20-100 mm, for pipe cutting equipment, for breaking and renovation work for straight, precise and quick cuts Offset, milled	BiM	150	1.1	2,5+3.2 mm/ 8+10 TPI	S 926 CHF	5	628257000*
 Sheets 4-10 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for breaking and renovation work for straight, precise and quick cuts Offset, milled	BiM	225	1.1	2,5+3.2 mm/ 8+10 TPI	S 1126 CHF	5	631989000*

\*Self-service packaging


for metal, "professional premium" series

- Unique, very aggressive and robust teeth, high cutting speeds and highest durability

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
							
Sheets 3-8 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for straight, precise and particularly clean cuts with an extremely long service life							
Offset, milled	BiM	225	0.9	1,4+1.8 mm / 14+18 TPI	S 1136 BEF	2	628258000*
							
Sheets 4-10 mm, pipes, profiles Ø 20-175 mm, for pipe cutting equipment, for straight, precise and quick cuts with an extremely long service life							
Offset, milled	BiM	225	1.1	2,5+3.2 mm / 8+10 TPI	S 1136 CHF	2	628269000*




for metal, »Pionier« series



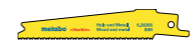

- Universal and quick in thick and thin material

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
							
Sheets 1-8 mm, profiles Ø 5-100 mm							
Offset, milled	BiM	150	0.9	Progressive	S 123 XF	2	631911000*
							
Sheets 1-8 mm, profiles Ø 5-100 mm							
Ground, milled	BiM	150	0.9	Progressive	S 123 XF	5	631914000*

for wood and metal, »flexible« series

- Unbreakable, flexible, sabre saw blades < 1.0 mm thick

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
							
Wood, wood with nails, non-ferrous metals, plastics							
Offset, milled	HCS	300	0.9	2.5 mm/ 10 TPI	S 1211 H	2	631125000*
							
Wood, wood with nails, metal inserts Ø 5-100 mm, sheets, pipes, profiles 3-10 mm, plastics 3-100 mm							
Offset, milled	BiM	150	0.9	1,8-2.6 mm/ 10-14 TPI	S 922 VF	2	631094000*
						5	631492000*
						25	628246000*
							
Wood, wood with nails, metal inserts Ø 5-175 mm, sheets, pipes, profiles 3-10 mm, plastics 3-175 mm							
Offset, milled	BiM	225	0.9	1,8-2.6 mm/ 10-14 TPI	S 1122 VF	2	631097000*
						5	631495000*
						25	628247000*
						100	625494000

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
							
Wood, wood with nails, metal inserts Ø 5-250 mm, sheets, pipes, profiles 3-10 mm, plastics 3-250 mm							
Offset, milled	BiM	300	0.9	1,8-2.6 mm/ 10-14 TPI	S 1222 VF	2	631098000*
						5	631407000*
						25	628248000*
							
Wood, wood with nails, metal inserts Ø 5-150 mm, pallets, sheets, pipes, profiles 3-12 mm, plastics 3-150 mm							
Offset, milled	BiM	200	0.9	2.5 mm/ 10 TPI	S 1022 HF	5	631932000*
						25	628249000*
						200	625497000
							
wood, metal, plastics							
Offset, milled	BiM	100	0.9	1,4-1.8 mm/ 14-18 TPI	S 522BEF	5	628266000*
							
Wood, wood with nails, wood, plastics, plywood							
Offset, milled	BiM	100	0.9	4 mm/ 6 TPI	S 511 DF	5	628265000*

for wood and metal, »professional« series


- Fast, stable, for tough applications, sabre saw blade > 1.0 mm thick

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
							
Wood 10-100 mm, wood with nails, plastics, window frames, specially designed for immersion cuts							
Offset, milled	BiM	150	1.25	3,2-5.1 mm/ 5-8 TPI	S 611VF	5	631984000*
						25	628250000*
							
Wood, wood with nails, plastics, plywood 10-100 mm, specially designed for curved cuts							
Offset, milled	BiM	150	1.25	3,2-5.1 mm/ 5-8 TPI	S 711 VF	5	631985000*
							
Wood, wood with nails, plastics, plywood 10-175 mm							
Offset, milled	BiM	225	1.25	3,2-5.1 mm/ 5- 8 TPI	S 1111 VF	5	631986000*
							
Wood, wood with nails, plastics, plywood 10-250 mm							
Offset, milled	BiM	300	1.25	3,2-5.1 mm/ 5-8 TPI	S 1411 VF	5	631987000*
							
Wood, wood with nails, metal inserts Ø 10-100 mm, plastics, for breaking and renovation work							
Offset, milled	BiM	150	1.6	4.3 mm/ 6 TPI	S 610 DF	5	631925000*
							
Wood, wood with nails, metal inserts Ø 10-175 mm, plastics, for breaking and renovation work							
Offset, milled	BiM	225	1.6	4.3 mm/ 6 TPI	S 1110 DF	5	631926000*

\*Self-service packaging




for wood and metal, »Pionier« series

- Universal and quick in all materials

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 <p>Wood, wood with nails, metal inserts Ø 5-150 mm, sheets, pipes, profiles 3-18 mm, plastics 5-150 mm</p>							
Offset, milled	BiM	200	1.25	Progressive	S 3456 XF	2	631912000*
						5	631915000*




for wood, »classic« series

- For tough applications on the construction site and in the garden

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 <p>Wood (also when damp) 6-100 mm, removal of branches, for fast, rough cuts, specially designed for curved cuts</p>							
Offset, milled	HCS	150	1.25	8.5 mm/ 3 TPI	S 617 K	2	628240000*
						5	628241000*
 <p>Wood (also when damp) 10-250 mm, removal of branches, for fast, rough cuts</p>							
Offset, milled	HCS	300	1.25	8.5 mm/ 3 TPI	S 1617 K	5	628242000*
 <p>Wood (also when damp) 15-190 mm, firewood, for fast, rough cuts</p>							
Offset, milled	HCS	225	1.25	8.5 mm/ 3 TPI	S 1111 K	2	628243000*
						5	628244000*


for wood, »professional« series

- For professional applications on the construction site and in the garden

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 <p>Wood 6-100 mm, chipboard 6-60 mm, plywood, plastics, specially designed for immersion cuts</p>							
Side set, ground	HCS	150	1.25	4.0 mm/ 6 TPI	S 644 D	2	631120000*
						5	631470000*
 <p>Wood 10-250 mm, chipboard 10-100 mm, plywood, plastics</p>							
Side set, ground	HCS	300	1.25	4.0 mm/ 6 TPI	S 1344 D	2	631122000*
						5	631472000*
 <p>Wood (also damp) 15-190 mm, firewood, removal of branches</p>							
side set, ground, carbide-coated	HCS	240	1.5	5.0 mm/ 5 TPI	S 1531 L	2	631139000*
						5	631488000*
						25	628245000*












for wood, »Pionier« series

- Universal and quick in both thick and thin material

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 <p>Wood (also damp) 6-100 mm, chipboard 6-60 mm, plywood, plastics, specially designed for immersion cuts</p>							
Side set, ground	HCS	200	1.25	Progressive	S 2345 X	2	631910000*
						5	631913000*

for special applications, »expert« series

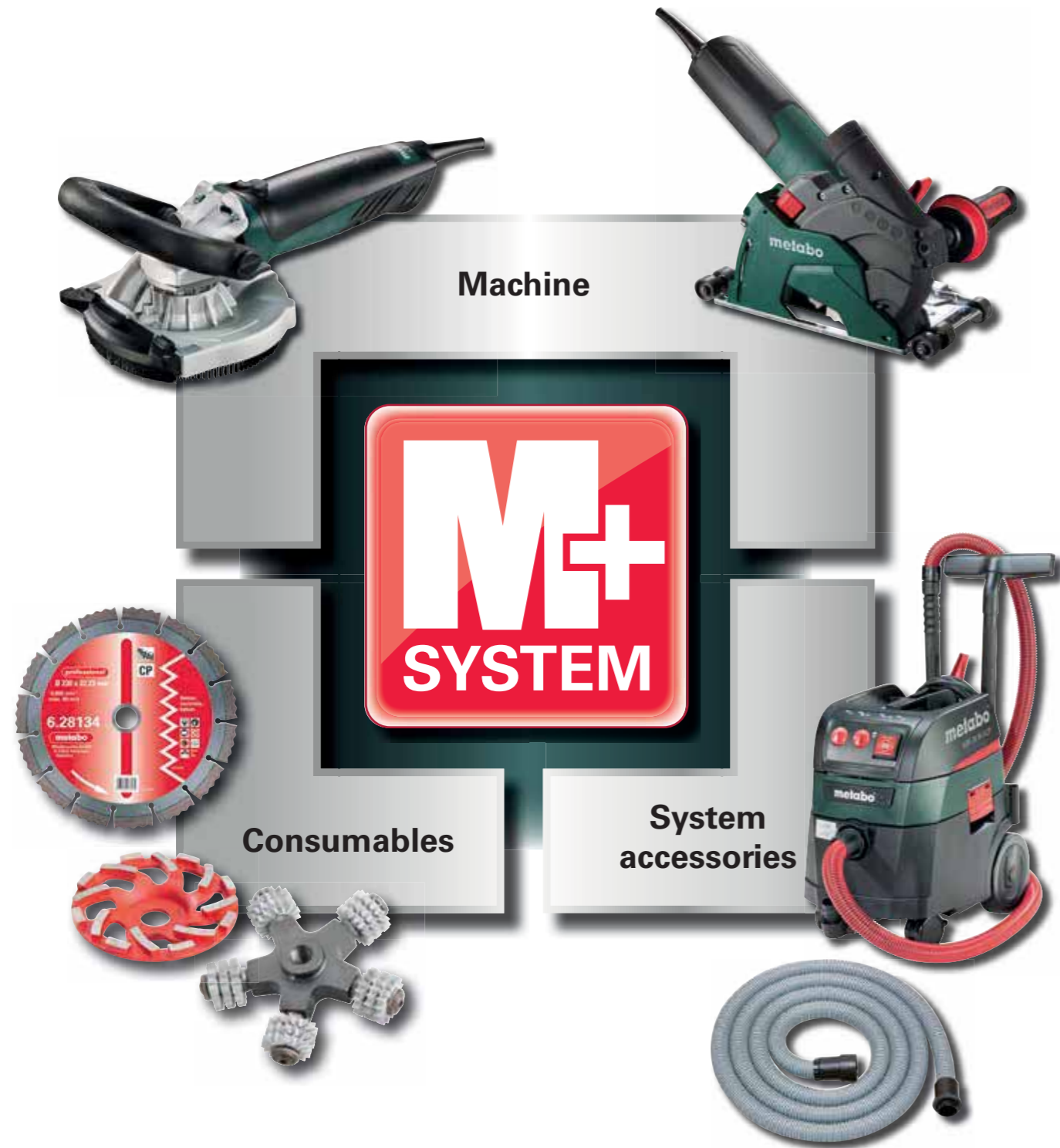
- Suitable for Metabo, AEG, Black & Decker, Bosch, DeWalt, Flex, Hitachi, Milwaukee, Porter Cable, Skil ...  
The optimum sabre saw blade for all special applications

Version	Material finish	Overall length mm	Thickness mm	Tooth pitch	Corresponds to Bosch type	Sales unit	Order number
 <p>Stainless steel sheet (Inox) 2-4 mm, rust-free profiles 2-50 mm, plastics, fibre-glass reinforced plastics</p>							
HM strip, ground	HM	115	1.25	1.4 mm/ 18 TPI	S 522 EHM	2	631817000*
 <p>Cast steel pipe Ø max. 6", stone, plastic, fibre-glass reinforced plastics</p>							
Carbide coated, grit 30	HM	225	1.25		S 1130 Riff	2	631818000*
 <p>Cardboard, polystyrene, insulation materials</p>							
Knife-blade ground	HCS	150	1		S 713 AW	2	631144000*
 <p>Aerated concrete 6-100 mm, stone 6-100 mm, fibre cement, fibre-glass reinforced plastics</p>							
HM-tipped, side-set	HM	150	1.25	4.3 mm/ 6 TPI	S 641 HM	1	631137000*
 <p>Aerated concrete 10-250 mm, stone 10-250 mm, fibre cement, fibre-glass reinforced plastics</p>							
HM-tipped, side-set	HM	300	1.5	8.5 mm/ 3 TPI	S 1241 HM	1	631146000*
 <p>Aerated concrete 20-350 mm, stone 20-350 mm, fibre cement, fibre-glass reinforced plastics</p>							
HM-tipped, side-set	HM	400	1.5	12.7 mm/ 2 TPI	S 2041 HM	1	631819000*
 <p>Gypsum carton, for clean cuts</p>							
Offset, milled	BiM	100	0.9	4.2 mm/ 6 TPI	S 528 DF	5	628264000*
 <p>Gypsum carton 8-100 mm, for clean cuts</p>							
Offset, milled	BiM	150	1.25	4.3 mm/ 6 TPI	S 628 DF	5	631907000*
 <p>Masonry, brickwork, porous concrete, cement board, for material thicknesses &lt; 150 mm</p>							
	HM	240	1.5	12.7 mm/ 2 TPI	S 1543 HM	1	631916000*
 <p>Masonry, brickwork, porous concrete, cement board, for material thicknesses &lt; 215 mm</p>							
	HM	305	1.5	12.7 mm/ 2 TPI	S 1243 HM	1	631917000*
 <p>Masonry, brickwork, porous concrete, cement board, for material thicknesses &lt; 365 mm</p>							
	HM	455	1.5	12.7 mm/ 2 TPI	S 2243 HM	1	631918000*

\*Self-service packaging

# M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR MAXIMUM PERFORMANCE.

Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum performance thanks to Metabo + System effect.



## Special-purpose Machines

# CUTTING SYSTEMS: FOR LOW-DUST WORKING

The Metabo compact HS angle grinders with up to 1,550 Watts of power deliver high performance - especially when processing concrete, screed or tiles. Metabo has the perfect system solution for almost dust-free working in indoor areas with extraction hoods and their matching accessories - whether in new buildings or for renovation jobs. Using carefully matched systems consisting of angle grinders optimised for the application, extraction hoods, special discs and matching vacuum cleaners, you can work with increased productivity while the working environment and the workpiece remain almost dust-free, and your health is protected.



### Cutting:



- Tiles »professional«  
Order no. 628152000
- Concrete »professional«  
Order no. 628130000
- Concrete »professional« Turbo  
Order no. 628125000
- Abrasive »professional«  
Order no. 628142000
- Universal »professional«  
Order no. 628112000

### Sanding:



- PCD »professional«  
Order no. 628208000
- Abrasive »professional«  
Order no. 628206000
- Concrete »classic«  
order no. 628209000
- Concrete universal »professional«  
Order no. 628205000



- PE disposal bag  
Order no. 630325000
- Fleece filter bag  
Order no. 630343000
- Anti-static suction hose Ø 35 mm  
Order no. 631370000
- Polyester filter cartridges  
Order no. 631034000



### Technical data

	Angle Grinder W 12-125 HD Set CED	Angle Grinder W 12-125 HD Set CED Plus
Cutting depth adjustable / freehand	0 - 24 mm / 27 mm	0 - 24 mm / 27 mm
Cutting disc Ø	125 mm	125 mm
Rated input power	1,250 W	1,250 W
Output power	780 W	780 W
No-load speed	9,600 /min	9,600 /min
Revolutions at rated load	8,800 /min	8,800 /min
Torque	4.1 Nm	4.1 Nm
Spindle thread	M 14	M 14
Weight (without power cable)	4.2 kg	4.4 kg
Cable length	4 m	4 m

### Scope of delivery

Order number	600408500 <sup>1)</sup>	600408510 <sup>1)</sup>
Standard guard	■	■
Extraction hood CED 125	■	
Extraction hood CED 125 Plus		■
Inner support flange	■	■
Side handle Metabo VibraTech (MVT)	■	■
Nut with two holes	■	■
Flat-pin spanner	■	■
MetaLoc case	■	■
Diamond cutting disc UP	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- System for low-dust cutting up to 27 mm indoors and outdoors
- Extraction hood CED 125 that can be mounted tool-free, made of antistatic plastic with plunge function
- Robust, detachable metal table for stable working near walls and for freehand cuts
- System for precise low-dust cutting up to 27 mm deep, indoors and outdoors
- Extraction hood CED 125 Plus that can be mounted tool-free, made of antistatic plastic with plunge function
- Robust, removable metal table with rollers for tilt-free, gentle operation on delicate surfaces
- For use with guide rail 631213000 for precise cuts
- Long service life for demanding applications: powerful and robust angle grinder with highest power density in its class for quick work progress
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc stops unexpectedly - for maximum user protection and swift progress
- Auto-stop carbon brushes to protect the motor
- Aluminium flange for long service life using heavy accessories, e.g. diamond discs
- Connection for dust extraction Ø 35/41 mm



**Almost dust-free working** with mineral dust

- Plunge function for low-dust starting
- Antistatic plastic for continuously high suction performance



**Precise longitudinal cuts**

- Guide rollers for good directional stability
- Adjustable cutting depth
- Permits use of a guide rail



**Ideal for free-hand cuts**

- Tool-free, quick removal of the base plate
- Perfect for the renovation of cracks

### System components

Accessories ▶ 385

Extraction systems ▶ 399





Technical data	Wall Chaser MFE 30	Wall Chaser MFE 65
Adjustable cutting depth	0 - 30 mm	20 - 65 mm
Possible groove widths	10/17/23/30 mm	3/9/17/29/33/37/41 mm
Cutting disc Ø	125 mm	230 mm
Rated input power	1,400 W	2,400 W
Output power	750 W	1,600 W
No-load speed	8,200 /min	6,500 /min
Revolutions at rated load	8,200 /min	4,600 /min
Torque	3.5 Nm	15 Nm
Weight (without power cable)	4.3 kg	9.8 kg
Cable length	4 m	4 m

Scope of delivery

Order number	601119 <sup>2)</sup>	600365 <sup>2)</sup>
4 Spacer rings	■	
7 Spacer rings		■
Flange nut	■	■
Side handle	■	■
Offset screwdriver	■	
Spanner wrench	■	■
Chase extraction chisel	■	■
Metal carry case	■	■

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Particularly low-dust working due to plunge capability
- Overload protection: protects the motor from overheating
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Reduced load by drawing cut from top to bottom
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the disc stop unexpectedly.
- Electronic overload protection for long service life
- Starting current limitation prevents the actuation of the lock on start-up
- LED signal informs about overload or active restart protection
- Metabo VibraTech (MVT): integrated damping system to reduce vibrations in order to protect the user's health
- Electronic safety shutdown of the motor for safe working in case the disc stops unexpectedly
- Suitable for quick and clean cutting of wall channels
- Channel width and cutting depth can be set
- Metabo Marathon motor with patented dust protection for long service life
- Restart protection: prevents unintentional start-up after power supply interruption
- Also suitable for cutting by using only one diamond cutting disc

System components

Accessories → 385

Extraction systems → 399

Quality class »professional« / CP



- Ideal for all hard construction materials such as concrete (including reinforced), concrete pipes, granite, hard sandstones, facing stones, exposed aggregate concrete.
- The diamond quality and soft bond provides optimal cutting performance and long tool life
- Laser welded diamond segments
- Segment height: 12.0 mm; Maximum working speed 80 m/s

Diameter x bore mm	Segment Dimensions mm	Number of segments	Maximum speed /min	Sales unit	Order number
125 x 22.23	32 x 2.15 x 12	9	12.200	1	628130000
125 x 22.23	32 x 2.15 x 12	9	12.200	2	628131000*
230 x 22.23	40 x 2.5 x 12	15	6.600	1	628134000*
230 x 22.23	40 x 2.5 x 12	15	6.600	2	628135000*

Quality class »professional« / UP



- Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.
- The universal disc with high quality diamonds for optimal cutting performance and a long tool life.
- Laser welded diamond segments
- Segment height: 12.0 mm; Maximum working speed 80 m/s

Diameter x bore mm	Segment dimensions mm	Number of segments	Maximum speed /min	Sales unit	Order number
125 x 22.23	32 x 2.15 x 12	9	12.200	1	628112000
125 x 22.23	32 x 2.15 x 12	9	12.200	2	628113000*
230 x 22.23	40 x 2.5 x 12	15	6.600	1	628116000*
230 x 22.23	40 x 2.5 x 12	15	6.600	2	628117000*




Quality class »professional«



- Best suited for general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.
- The circumferentially closed "Turbo" cutting edge provides a clean cutting edge without material chipping, providing optimal cutting performance and long tool life.
- Sintered cutting edge
- Segment height: 9.6 mm; Maximum working speed 80 m/s

Diameter x bore mm	Segment dimensions mm	Maximum speed /min	Sales unit	Order number
125 x 22.23	2.2 x 9.6	12.200	1	628125000*
230 x 22.23	2.7 x 9.6	6.600	1	628128000*

Other accessories

 <p><b>Suction hose</b></p> <ul style="list-style-type: none"> <li>■ When using a second suction hose, the dust extraction device can be placed at a distance of up to 8 m from the work area</li> </ul> <p>With bayonet fitting for connection to the extraction nozzle of wall chasers MFE 30, MFX 65 and MFE 65                      Connector Ø: 35/35 mm                      Hose Length: 4 m                      Suction hose Ø: 35 mm</p>	Order number	630344000
 <p><b>Connection bush for cutting systems</b></p> <ul style="list-style-type: none"> <li>■ Particularly suited for coarse dirt and devices with high generation of dust. Conducts electricity.</li> </ul> <p>Inner/outer Ø: 41/ 48 mm</p>		
 <p><b>Guide rail 1,500 mm</b></p> <ul style="list-style-type: none"> <li>■ Guide rail made of sturdy, anodised aluminium extrusion</li> <li>■ Anti-slip backing provides safe and reliable support and protects the work piece surface against scratches</li> <li>■ Guide rule, adjustable to eliminate play</li> </ul> <p>suitable for the cutting/extraction hood CED 125 Plus in connection with an angle grinder</p>	Order number	631213000

\*Self-service packaging

# RENOVATION GRINDERS: FOR POWERFUL REMOVAL.

The RS 17-125 renovation grinder has a powerful 1,700 watt motor and huge torque, ideal for grinding off old coatings, and it can work close to edges meaning no more time-consuming reworking. Metabo renovation grinders, cup wheels and vacuum cleaners are perfectly compatible and provide excellent work results combined with effective extraction!



**Ergonomic handle**  
adjustable in 5 positions for the ideal working position.

**MARATHON MOTOR**

**1700 Watt motor**  
with extreme overload capacity, ideal for tough continuous use on construction sites.

**Robust die-cast aluminium guard**

**Aluminium flange**  
for long service life when using heavy accessories, e.g. diamond cup wheels

**Optimum extraction results**  
Spring-mounted brush rim at the protective cover that adapts to any surface and segment height



RS 17-125



### Technical data

### Angle Grinder WE 15-125 HD Set GED

Grinding wheel Ø	125 mm
Rated input power	1,550 W
Output power	940 W
No-load speed	9,600 /min
Revolutions at rated load	9,600 /min
Torque	4.2 Nm
Spindle thread	M 14
Weight (without power cable)	2.7 kg
Cable length	4 m

### Scope of delivery

Order number	600465510 <sup>1)</sup>
Guard	■
Extraction hood GED 125	■
Inner support flange	■
Nut with two holes	■
Side handle Metabo VibraTech (MVT)	■
Flat-pin spanner	■
MetaLoc case	■
Diamond cup wheel concrete »classic«	■

<sup>1)</sup> also available in 120 V (North/Latin America)

### Product advantages

- Universally applicable system for low-dust grinding indoors and outdoors
- Highest service life for extreme applications: robust, powerful angle grinder with greatest power density in its class for quick work progress
- New, patent-pending Metabo Marathon motor with up to 50% more torque and up to 20% higher overload capacity for quicker material removal and longer service life
- Tacho-Constamatic (TC)-Full Wave Electronics: fast work progress by means of constant speed under load
- Side handle Metabo VibraTech (MVT) handle vibration damping for convenient continuous operation
- Metabo S-automatic Torque Limiting Clutch: minimises kick-back to the lowest level when the disc jams unexpectedly - for maximum user protection and swift progress
- Electronic overload protection, soft start and restart protection
- Auto-stop carbon brushes to protect the motor
- Aluminium flange for long service life using heavy accessories, e.g. diamond discs
- Extraction hood GED 125 can be mounted tool-free, made of antistatic plastic
- Fixed segment can be opened manually for near-wall operation
- Connection for dust extraction Ø 35/41 mm

### System components

Accessories ▶ 391

Extraction systems ▶ 399



**Grinding close to edges without the need for reworking**  
thanks to a fold-out fixed segment.



**Particularly handy and compact**  
RS 14-125 with adjustable speed that is particularly beneficial for heat-sensitive coatings and adhesive residues.



**Maximum productivity with the right system**  
Metabo renovation grinders, cup wheels and vacuum cleaners are perfectly compatible and provide excellent work results coupled with effective extraction.

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Technical data

Renovation Grinder RS 14-125

Grinding wheel Ø	125 mm
Rated input power	1,450 W
Output power	830 W
No-load speed	2,000 - 7,000 /min
Revolutions at rated load	7,000 /min
Torque	4 Nm
Spindle thread	M 14
Weight (without power cable)	3.6 kg
Cable length	4 m

Renovation Grinder RS 17-125

Grinding wheel Ø	125 mm
Rated input power	1,700 W
Output power	950 W
No-load speed	8,500 /min
Revolutions at rated load	5,700 /min
Torque	6 Nm
Spindle thread	M 14
Weight (without power cable)	4.8 kg
Cable length	4 m

Scope of delivery

Order number	603824 <sup>1)</sup>	603822 <sup>1)</sup>
»professional« concrete diamond cup wheel	■	■
Bow type handle	■	■
Inner support flange	■	■
Nut with two holes	■	■
Plastic carry case	■	■
Flat-pin spanner	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Low weight, ideal for sanding walls and ceilings
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the tool stop unexpectedly.
- High torque and overload capacity for demanding applications in continuous use
- Metabo safety switch prevents unintentional start
- For effective spot sanding and removal of concrete, screed and coatings with diamond cup wheels
- Working close to edges thanks to integrated folding segment
- Optimum extraction results: Spring-mounted brush rim at the protective cover that adapts to any surface and segment height
- Front handle for safe and uniform guidance when polishing, adjustable without the need for tools
- Metabo Marathon motor with patented dust protection for long service life
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Overload protection: protects the motor from overheating
- Auto-stop carbon brushes to protect the motor
- Aluminium flange for long service life when using heavy accessories, e.g. diamond cup wheels

System components

Accessories → 391 | Extraction systems → 399



Technical data

Renovation Milling Machine RF 14-115

Milling head-Ø	115 mm
Milling depth max.	6 mm
Rated input power	1,450 W
Output power	780 W
No-load speed	800 - 2,800 /min
Revolutions at rated load	2,800 /min
Torque	9 Nm
Spindle thread	M 14
Weight (without power cable)	4.3 kg
Cable length	4 m

Scope of delivery

Order number	603823 <sup>1)</sup>
Milling head pointed (complete)	■
Bow type handle	■
Plastic carry case	■
Flat-pin spanner	■
Hexagonal wrench	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- For effective removal of plaster, adhesive residues, soft screed and old paint from walls, ceilings and floors
- Triple reduction high-performance gearing for maximum torque and high output
- Fast work progress thanks to large milling diameter
- Planing depth can be adjusted easily and without the need for tools
- Robust protective cover made from die-cast aluminium with spring-mounted brush rim for low-dust working
- Support ring for easy guidance of the machine and to provide a stop for working near edges
- Front handle for safe and uniform guidance when milling, adjustable without the need for tools
- Metabo Marathon motor with patented dust protection for long service life
- Vario-Tacho-Constamatic (VTC)-Full Wave Electronics with Thumbwheel: for working at customised speeds to suit the application material and speeds that remain almost constant, even under load
- Electronic soft start for smooth start-up
- Restart protection: prevents unintentional start-up after power supply interruption
- Metabo S-automatic torque limiting clutch: mechanical decoupling of the drive for safe working should the tool stop unexpectedly.
- Overload protection: protects the motor from overheating
- Auto-stop carbon brushes to protect the motor
- Aluminium flange for long service life when using heavy accessories, e.g. diamond cup wheels

System components

Accessories → 391 | Extraction systems → 399

WHICH MACHINE AND ACCESSORIES FOR WHICH APPLICATION?

		Renovation grinder RS 14-125	Renovation grinder RS 17-125	Renovation Milling Machine RF 14-115									
Range of applications		for small areas up to ~ 50 m <sup>2</sup>			for medium areas up to ~ 100 m <sup>2</sup>			for medium areas up to ~ 100 m <sup>2</sup>					
Accessories		Diamond cup wheel concrete »pro« Ø 125 mm	Diamond cup wheel abrasive »pro« Ø 125 mm	PCD cup wheel »pro« Ø 125 mm	Diamond cup wheel concrete »pro« Ø 125 mm	Diamond cup wheel abrasive »pro« Ø 125 mm	PCD cup wheel »pro« Ø 125 mm	Cutting head flat tooth (complete) Ø 115 mm / M14	Milling head pointed (complete) Ø 115 mm / M14	Diamond cup wheel concrete »pro« Ø 125 mm	Diamond cup wheel abrasive »pro« Ø 125 mm	PCD cup wheel »pro« Ø 125 mm	
		Order no. 628205000	Order no. 628206000	Order no. 628208000	Order no. 628205000	Order no. 628206000	Order no. 628208000	Order no. 628212000	Order no. 628210000	Order no. 628205000	Order no. 628206000	Order no. 628208000	
Concrete	Fresh concrete	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Old concrete/ very hard concrete > B35	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Adhesive	Tile cement	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	Elastic adhesive			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	
Screed	Soft	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	Hard	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
Plaster	■ Removal/cutting of hard cement plaster and / or (cement lime plaster) with high sand content	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	■ Grinding / removal of hard cement plaster	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	■ Grinding / removal of hard plaster (cement lime finishing plaster)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	■ Grinding / removal of synthetic resin plaster	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	■ Grinding / removal of lime plaster, gypsum plaster	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	■ Removal of gypsum filler	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Colour / coating	Latex colours and oil colours	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Elastic protective coatings (concrete colour)	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	Bitumen			<input type="checkbox"/>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>	
	PU Polyurethane			<input type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input checked="" type="checkbox"/>	
	Epoxy	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Natural stone / ceramics	Granite	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
	Ceramic	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		
	Marble	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>		

very suitable  highly suitable

Diamond Cup Wheels

For hard materials, quality class concrete »professional«



- Powerful diamond grinding wheel. Particularly suited for grinding of thick concrete layers, levelling of concrete, preparation of concrete, removal of sludge residue and formwork seams on concrete, removal of hard cement, chalk-cement-plaster, hard screed, levelling of granite, natural stone and other very hard materials, for clean processing of edges, without chipping
- Maximum working speed 80 m/s

Diameter x bore mm	Number of segments	Sales unit	Order number
125 x 22.23	16	1	628205000*

For abrasive materials, quality class abrasive »professional«



- Powerful diamond grinding cup wheel. Particularly suited for grinding of fresh concrete coatings, chalk and cement plaster, gypsum filler, levelling of fresh screed, removal of tile adhesive and processing of marble
- Maximum working speed 80 m/s

Diameter x bore mm	Number of segments	Sales unit	Order number
125 x 22.23	16	1	628206000*

For concrete coatings, quality class »professional«



- Powerful specialized cup wheel. Ideally suited for spot grinding and removal of elastic protective coatings (on soft and hard surfaces), adhesives, sealants, removal of latex and oil paints, bitumen, PU/polyurethane, epoxy, elastic adhesive, for removal of lime plaster and gypsum plaster, abrading of resin plaster and hard cement plaster.
- Cup wheel equipped with PCD segments (poly-crystalline diamonds). By virtue of the PCD segments, particularly problematic coatings are removed quickly and effectively without bonding.
- Maximum working speed 80 m/s

Diameter x bore mm	Number of segments	Sales unit	Order number
125 x 22.23	12	1	628208000*

For hard materials, quality class concrete »classic«



- Double-coated diamond cup wheel for grinding of thick concrete layers, levelling of concrete, preparation of concrete, removal of sludge skins and formwork seams on concrete, removal of hard cement, chalk-cement-plaster, hard screed, levelling of granite, natural stone and other very hard materials
- Maximum working speed 80 m/s

Diameter x bore mm	Number of segments	Sales unit	Order number
125 x 22.23	20	1	628209000*

Other Accessories



Replacement brush rim




	Order number
Replacement brush rim RS suitable for RS 14-125, RS 17-125	628214000*
Replacement brush rim for extraction hood GED 125	626733000

\*Self-service packaging

Milling Heads

	Order number
 <p><b>Milling head pointed complete</b></p> <ul style="list-style-type: none"> <li>■ Cutting head pointed tooth - contact face tipped with 15 carbide stars</li> <li>■ For the removal of hard plaster, concrete, foam backing, adhesive remains, paint coatings on plaster, synthetic resin plaster, elastic protective coatings, plaster on beams and latex / oil paint on plaster</li> <li>■ The subsurface is roughened by the pointed shape of the stars suitable for RF 14-115</li> </ul>	628210000*
 <p><b>Milling head flat complete</b></p> <ul style="list-style-type: none"> <li>■ Cutting head flat tooth - contact face tipped with 15 carbide stars</li> <li>■ For the removal of soft materials such as plaster, fresh ("green") concrete, foam backing and adhesive remains, soft PU coatings, paint coatings on plaster, plaster on wooden beams, latex / oil paint on plaster, formwork joints and concrete runs on fresh concrete areas</li> <li>■ The subsurface becomes smooth thanks to the flat shape of the stars (pulling cut) suitable for RF 14-115</li> </ul>	628212000*

Stars

	Order number
 <p><b>Stars, pointed head (set=15 pieces)</b></p> <ul style="list-style-type: none"> <li>■ For retrofitting the cutter head of the RF 14-115</li> </ul>	628211000*
 <p><b>Stars, flat head (set=15 pieces)</b></p> <ul style="list-style-type: none"> <li>■ For retrofitting the cutter head of the RF 14-115</li> </ul>	628213000*

Further Accessories for the Renovation Milling Machine

Replacement brush rim	
	Order number
 <p>Replacement brush rim RF 14-115</p>	628215000*



Technical data	Hot Air Gun H 16-500	Hot Air Gun HE 20-600	Hot Air Gun HE 23-650 Control
Air volume	240 / 450 l/min	150 / 300 / 500 l/min	150 - 250 / 150 - 500 / 500 l/min
Air temperature	300 / 500 °C	50 / 50 - 600 °C	50 / 50 - 650 °C
Rated input power	1,600 W	2,000 W	2,300 W
Weight (without power cable)	0.6 kg	0.7 kg	0.9 kg
Cable length	4 m	4 m	4 m
Order number	601650 <sup>1)</sup>	602060 <sup>1)</sup>	602365 <sup>1)</sup>

<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages









- Quick and easy temperature setting via thumbwheel control
- Particularly suited for temperature-sensitive materials thanks to precise control of air volume and temperature
- Efficient working with four preset, adjustable programmes
- Wide range of uses: Removal of varnish, shaping, crimping, welding and much more
- High-quality ceramic heating, powerful motor and optimum device cooling for long service life
- Ergonomic design and handle with non-slip soft-grip surface provides convenient handling
- Safe stationary application due to large non-slip floor space

System components

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\*Self-service packaging

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Nozzles		Order number
	<b>Wide jet nozzle, 50 mm</b> ■ For drying and for removing paint suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	630001000*
	<b>Wide jet nozzle, 75 mm</b> ■ Stripping old paint from larger surfaces suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	630002000*
	<b>Deflector nozzle, 75 mm</b> ■ For removing old paint on window frames, for waxing and de-waxing skis suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	630003000*
	<b>Wrap around nozzle</b> ■ For warming plastic tubes etc. prior to bending and shaping; shrinking on shrink-fit plastic sleeves, (e.g. on cable ends) suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	630004000*
	<b>Reducing nozzle, 20 mm</b> ■ For spot-heating e.g. soldering and welding suitable for H 16-500, HE 20-600, HE 23-650 Control, H 1600, HE 2000, HE 2300 Control	630022000*
	<b>Reducing nozzle 9 mm</b> ■ For attaching the slit nozzle 630006000 and the welding nozzle 630007000. Also suitable for spot-heating, (e.g. soldering and welding) ■ For hot air guns with electronics only suitable for HE 20-600, HE 23-650 Control, HE 2000, HE 2300 Control	630005000*
	<b>Slit nozzle</b> ■ For overlap-welding of PVC tarpaulins and sheeting ■ To fit the nozzle, the reducing nozzle 630005000 is needed ■ For hot air guns with electronics only suitable for HE 20-600, HE 23-650 Control, HE 2000, HE 2300 Control	630006000*
	<b>Welding nozzle</b> ■ For working with plastic welding wire (up to diameter 5 mm!) ■ To fit the welding nozzle, the reducing nozzle 630005000 is needed. ■ For hot air guns with electronics only suitable for HE 20-600, HE 23-650 Control, HE 2000, HE 2300 Control	630007000*



Technical data	Stapler Ta E 2019	Stapler Ta E 3030	Stapler Ta M 3034
Maximum pulse string	20 /min	20 /min	20 /min
Length staples (4 mm wide)	12 - 18 mm	18 - 30 mm	18 - 30 mm
Length staples (10 mm wide)	8 - 18 mm	-	-
Length flat wire staples (10 mm wide)	8 - 14 mm	-	-
Length nails	19 mm	16 - 30 mm	16 - 30 mm
Weight (without power cable)	1.4 kg	1.8 kg	1.8 kg
Cable length	2.6 m	2.6 m	4 m

Scope of delivery

Order number	602019	603030	603034
Universal magazine for all commercial staples and nails	■		
Magazine for 4 mm wide (up to 30 mm long) staples and 16-30 mm long nails		■	■
3 front plates	■		
Rubber protective shoe		■	■

Product advantages

- Also suitable for handling flat wire staples
- Repeated impact option for incompletely driven in fasteners
- Repeated impact option for incompletely driven in fasteners
- Complete driving in of fasteners by virtue of electronically controlled multiple impact device
- Rubber protective shoe to prevent pressure marks
- Rubber protective shoe to prevent pressure marks
- For processing staples, nails, shaped wood claws and groove clutches
- Impact power control for setting the impact depth
- Tappet with nut for specific placing of stapler
- Protection against unintentional trigger use

System components

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\*Self-service packaging

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Staples, 4 mm wide



Width mm	Length mm	Stainless	Suitable for	Sales unit	Order number
4	12		Ta E 2019	2.000	630901000*
4	15		Ta E 2019	2.000	630902000*
4	18		Ta E 2019, Ta E 3030, Ta M 3034	2.000	630903000*
4	18	■	Ta E 2019, Ta E 3030, Ta M 3034	2.000	630909000*
4	23		Ta E 3030, Ta M 3034	2.000	630904000*
4	26		Ta E 3030, Ta M 3034	2.000	630905000*
4	26	■	Ta E 3030, Ta M 3034	2.000	630910000*
4	30		Ta E 3030, Ta M 3034	2.000	630906000*

Staples, 10 mm wide



Width mm	Length mm	Suitable for	Sales unit	Order number
10	8	Ta E 2019	1.000	630570000*
10	10	Ta E 2019	1.000	630571000*
10	12	Ta E 2019	1.000	630572000*
10	14	Ta E 2019	1.000	630573000*
10	18	Ta E 2019	1.000	630574000*

Flat wire staples, 10 mm wide



Width mm	Length mm	Suitable for	Sales unit	Order number
10	8	Ta E 2019	2.000	630576000*
10	10	Ta E 2019	2.000	630577000*
10	14	Ta E 2019	2.000	630578000*

Nails



Length mm	Suitable for	Sales unit	Order number
16	Ta E 3030, Ta M 3034	1.000	630592000*
19	Ta E 2019, Ta E 3030, Ta M 3034	1.000	630593000*
25	Ta E 3030, Ta M 3034	1.000	630907000*
30	Ta E 3030, Ta M 3034	1.000	630908000*

Rubber protective shoe



Rubber protective shoe  
As spare for the staplers Ta E 3030, Ta M 3034

Order number

631053000

\*Self-service packaging



Technical data

Glue Gun  
KE 3000

Glue stick Ø	11 mm
Maximum adhesive output	18 g/min
Warm up time	approx. 6 min
Processing temperature	approx. 200 °C
Weight (without power cable)	0.25 kg
Cable length	1.9 m

Scope of delivery

Order number	618121
Hot-melt type glue stick (200 mm long, transparent)	■

Product advantages

- Universal use for hot-gluing of wood, plastic, carton, glass, ceramic, stone, textiles, cork, leather, metal etc.
- Also suitable for sealing and joining and for repairs with hot-melt type adhesive
- Exact dosage by means of mechanical glue supply
- Optimum processing of the glue by means of PTC heating elements for constant temperature
- Strap and supporting surface on housing for safe stop after use
- Clean working without dripping by means of anti-drip nozzle

System components

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### Hot-melt Type Glue Sticks

#### Hot-melt type glue sticks, light yellow



- For gluing wood, cardboard, leather, etc. (firm glue joints after just brief pressing time)
- Setting time measured for a 3 mm thick bead of glue on wood at 20 °C

Colour	Open time of adhesive Seconds	Weight kg	Order number
Light yellow	approx. 25	0.5	630887000*
Light yellow	approx. 25	20	630891000

#### Hot-melt type glue sticks, transparent



- Also suitable for gluing plastics (e.g. polystyrene, polyester and polyamide), fabrics, etc. (strong, elastic glue joints)

Colour	Open time of adhesive Seconds	Weight kg	Order number
Transparent	approx. 35	0.5	630886000*
Transparent	approx. 35	20	630889000

### Nozzle Kit



#### Additional nozzle assortment pack

- Comprising: threaded nozzle bush and two nozzles (grouting nozzle and flat nozzle) for fitting to the threaded bush

Order number

630885000\*



## Vacuums and Extraction






# WHICH ALL-PURPOSE VACUUM CLEANER FOR WHICH APPLICATION?




Dust can be a hazard to the health of the user. The low-dust extraction systems from Metabo are solutions that offer optimum protection to the user. Depending on the requirements and application we recommend a vacuum cleaner that corresponds to a specific dust class.

In addition, depending on the dust type (e.g. wood dust, mineral dust) the user can select between different technologies in terms of filter cleaning: From manual to fully-automatic filter cleaning there are extraction systems in different dust classes available.

## Dust classes

Since 2005 - EN 60335-2-69, annex AA (excerpt)		Hazards / suitable for	Disposal
Dust classes	Max. transmittance		
L	 1%	<b>Keeps back 99% of:</b> <ul style="list-style-type: none"> <li>■ Dusts with AGW values &gt; 1 mg/m<sup>3</sup></li> <li>■ slightly hazardous dusts</li> </ul>	–
M	 0,1%	<b>Keeps back 99.9% of:</b> <ul style="list-style-type: none"> <li>■ Dusts with AGW values ≥ 0.1 mg/m<sup>3</sup></li> <li>■ dusts of medium hazard e.g. wood dusts (beech / oak);</li> <li>■ mineral dusts class M</li> </ul>	Low-dust disposal
H	 0,005%	<b>Keeps back 99.995% of:</b> <ul style="list-style-type: none"> <li>■ Dusts with AGW values &lt; 0.1 mg/m<sup>3</sup></li> <li>■ Carcinogenic dusts</li> <li>■ Dust containing pathogens</li> </ul>	Dust-free disposal
Additional requirement asbestos		As H with asbestos certification in accordance with TRGS 519, for Germany	■ Asbestos dusts Dust-free disposal

## Filter cleaning technologies

Symbol	Designation	Abbreviation	Types of extraction units	Filter cleaning technology	Function
–	–	–	AS 20 L, ASA 32 L	No filter cleaning technology	–
	PressClean	PC	ASA 25 L PC, ASA 30 L PC Inox	Manual filter cleaning	<ul style="list-style-type: none"> <li>■ Switch provides manual filter cleaning of the extraction unit whilst maintaining a strong suction during breaks in removal of debris</li> </ul>
	SelfClean	SC	ASR 25 L SC, ASR 50 L SC, ASR 50 M SC	Semi-automatic filter cleaning	<ul style="list-style-type: none"> <li>■ Electromagnetic, semi-automatic filter cleaning during breaks</li> </ul>
	AutoCleanPlus	ACP	ASR 35 L ACP, ASR 35 M ACP, ASR 35 H ACP	Fully-automated filter cleaning	<ul style="list-style-type: none"> <li>■ Electromagnetic, fully automatic and demand driven filter cleaning "M Pulse"</li> <li>■ Working without interruptions, particularly suited for continuous use</li> <li>■ If the optimum suction performance drops, the filters are vibrated immediately</li> </ul>



### Technical data

	All-purpose Vacuum Cleaner AS 20 L	All-purpose Vacuum Cleaner ASA 32 L
Air output max.	3,600 l/min	3,600 l/min
Vacuum	200 hPa (mbar)	200 hPa (mbar)
Filter surface	3,600 cm <sup>2</sup>	3,600 cm <sup>2</sup>
Input power max.	1,200 W	1,200 W
Container volume	20 l	32 l
Suction hose Ø	35 mm	35 mm
Hose length	1.75 m	3.2 m
Weight	5 kg	7 kg
Cable length	5 m	5 m

### Scope of delivery

Order number	602012	602013
Suction hose (Ø 35 mm, 1.75 m)	■	
Suction hose (Ø 35 mm, 3.2 m)		■
Handle adapter	■	■
2 Suction pipes	■	■
1 Cellulose pleated filter	■	■
Grouting nozzle	■	■
Pipe holder		■
Floor nozzle (260 mm wide)	■	■
Suction nozzle (120 mm wide)		■

### Product advantages

- For extraction from power tools and to clean construction sites, workshops etc.
- Power socket for power tool use activates automatically on start/shut-down of the vacuum cleaner
- Compact vacuum cleaner for liquids and dry solids of commercial registration
- Ideal for mobile use due to low weight and compact construction
- User protection: Certified in accordance with EU standard for L class dust
- Automatic shut-down when vacuuming liquids once the maximum fill level is reached
- Cable winding mechanism
- Practical accessory case and storage area

### System components

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Technical data	All-purpose Vacuum Cleaner ASA 25 L PC	All-purpose Vacuum Cleaner ASA 30 L PC Inox
Air output max.	3,600 l/min	3,600 l/min
Vacuum	210 hPa (mbar)	210 hPa (mbar)
Filter surface	3,000 cm <sup>2</sup>	3,000 cm <sup>2</sup>
Input power max.	1,250 W	1,250 W
Container volume	25 l	30 l
Suction hose Ø	32 mm	32 mm
Hose length	3.5 m	3.5 m
Weight	8.3 kg	9.6 kg
Cable length	7.5 m	7.5 m

Scope of delivery

Order number	602014	602015
Suction hose (Ø 32 mm, 3.5 m)	■	■
Handle adapter	■	■
2 Aluminium suction pipes	■	■
2 Suction pipes (chrome-plated)	■	■
Pleated polyester filter	■	■
PE Filter bags	■	■
Nylon web filter bag	■	■
Grouting nozzle	■	■
Floor nozzle (300 mm wide)	■	■
Suction nozzle (120 mm wide)	■	■
Brush nozzle	■	■
Cable/hose bracket	■	■

Product advantages

- Container made of corrosion-proof, high-quality stainless steel
- Compact vacuum cleaner for liquids and dry solids of commercial registration
- Ideal for mobile use due to low weight and compact construction
- For extraction from power tools and to clean construction sites, workshops etc.
- PressClean: Manual filter cleaning of the extraction unit via main switch during breaks whilst maintain strong suction
- User protection: Certified in accordance with EU standard for L class dust
- Automatic shut-down when vacuuming liquids once the maximum fill level is reached
- With integrated blow function: for blowing out, drying and drawing off exhaust air
- Cable and hose bracket for practical transport
- Practical accessory case and storage area

System components

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Technical data	All-purpose Vacuum Cleaner ASR 25 L SC	All-purpose Vacuum Cleaner ASR 50 L SC	All-purpose Vacuum Cleaner ASR 50 M SC
Air output max.	3,660 l/min	3,660 l/min	3,660 l/min
Vacuum	248 hPa (mbar)	248 hPa (mbar)	248 hPa (mbar)
Filter surface	8,600 cm <sup>2</sup>	8,600 cm <sup>2</sup>	8,600 cm <sup>2</sup>
Input power max.	1,400 W	1,400 W	1,400 W
Container volume	25 l	50 l	50 l
Suction hose Ø	35 mm	35 mm	35 mm
Hose length	3.2 m	3.2 m	4 m
Weight	11 kg	16 kg	16 kg
Cable length	8 m	8 m	8 m

Scope of delivery

Order number	602024 <sup>2)</sup>	602034	602045
Suction hose (Ø 35 mm, 3.2 m)	■	■	
Antistatic suction hose (Ø 35 mm / 4 m)			■
Handle adapter	■	■	■
2 Plastic suction pipes	■	■	■
2 Polyester filter cassettes (M class)	■	■	■
PE Filter bags			■
Nylon web filter bag	■	■	■
Grouting nozzle	■	■	■
Universal nozzle	■	■	■
Carrying handle		■	■

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Ideal for mobile use due to low weight and compact construction
- User protection: Certified in accordance with EU standard for L class dust
- Two polyester filter cassettes with large filter area for constantly high suction capacity
- User protection: Certified in accordance with EU standard for L class dust
- High user protection: Certified in accordance with EU standard for L class dust
- High user protection: Certified in accordance with EU standard for M class dusts
- Warning signal on exceeding the minimum volume flow to protect the user
- Compact vacuum cleaner for liquids and dry solids of commercial registration
- For extraction from power tools and to clean construction sites, workshops etc.
- Self Clean: Semi-automatic filter cleaning during breaks for next use
- Automatic shut-down when vacuuming liquids once the maximum fill level is reached
- Automatic trailing mechanism for emptying the suction hose completely
- Antistatic basic equipment prevents static charge when using appropriate accessories
- Cable winding mechanism
- Practical accessory case and storage area
- Storage and transport system: coupling of MetaLoc and vacuum cleaner with the Metadepot (accessories)

System components

Accessories → 405



Technical data	All-purpose Vacuum Cleaner ASR 35 L ACP	All-purpose Vacuum Cleaner ASR 35 M ACP	All-purpose Vacuum Cleaner ASR 35 H ACP
Air output max.	3,660 l/min	3,660 l/min	3,660 l/min
Vacuum	248 hPa (mbar)	248 hPa (mbar)	248 hPa (mbar)
Filter surface	8,600 cm <sup>2</sup>	8,600 cm <sup>2</sup>	8,600 cm <sup>2</sup>
Input power max.	1,400 W	1,400 W	1,400 W
Container volume	35 l	35 l	35 l
Suction hose Ø	35 mm	35 mm	35 mm
Hose length	3.5 m	4 m	4 m
Weight	16 kg	16 kg	16 kg
Cable length	8 m	8 m	8 m

Scope of delivery	602057 <sup>1)</sup>	602058 <sup>2)</sup>	602059
Suction hose (Ø 35 mm, 3.2 m)	■		
Antistatic suction hose (Ø 35 mm / 4 m)		■	■
Connection bush Ø 41/48 mm		■	■
Handle adapter	■	■	■
2 Plastic suction pipes	■	■	■
2 Polyester filter cassettes (M class)	■	■	
2 HEPA polyester filter cassettes			■
PE Filter bags	■	■	■
Grouting nozzle	■	■	■
Floor nozzle	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages	ASR 35 L ACP	ASR 35 M ACP	ASR 35 H ACP
<ul style="list-style-type: none"> <li>User protection: Certified in accordance with EU standard for L class dust</li> <li>Suction power control for adapted suction performance</li> </ul>	<ul style="list-style-type: none"> <li>High user protection: Certified in accordance with EU standard for M class dusts</li> <li>Especially suited for extracting concrete and rock dust</li> </ul>	<ul style="list-style-type: none"> <li>Maximum user protection: Certified in accordance with EU standard for H class dusts</li> <li>Ideal vacuum cleaner for removal of mould and old insulation in roof and wall areas</li> </ul>	

- Warning signal on exceeding the minimum volume flow to protect the user
- Optimum suction power by preselection of the hose diameter used
- Compact vacuum cleaner for liquids and dry solids of commercial registration
- For extraction from the power tool in continuous mode, both on construction sites and in the workshop
- AutoCleanPlus: Saving in both cost and time thanks to automatic MPulse-filter cleaning during continuous use
- If the optimum suction performance drops, the filters are vibrated immediately
- Automatic shut-down when vacuuming liquids once the maximum fill level is reached
- Automatic trailing mechanism for emptying the suction hose completely
- Antistatic basic equipment prevents static charge when using appropriate accessories
- Practical accessory case and storage area

System components

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WHICH CONNECTION OPTION FOR WHICH HANDHELD POWER TOOL?

	Metabo All-purpose Vacuum Cleaner						
	ASA 32 L ASA 25 L PC <sup>1)</sup> ASA 30 L PC Inox <sup>1)</sup> ASR 25 L SC	ASR 50 L SC ASR 50 M SC ASR 35 L, M, H ACP					
Suction hose diameter	Ø 27 mm		Ø 32 mm		Ø 35 mm		
Hose length	3.5 m	3.5 m	3.5 m	2.5 m	3.2 m	4.0 m	4.0 m
Order number	631938000	631939000	631337000	631752000	631362000	631370000	630344000
	antistatic			antistatic			
Adapters and Connectors	without adapter			with 624996000			
Long-neck sanders	LSV 5-225 Comfort, LSV 5-225						
	■/□						
Cordless circular saw	KSA 18 LTX						
	■						
Circular saws	KSE 55 Vario Plus, KS 55, KS 55 FS, KS 66, KS 66 Plus, KSE 68 Plus						
	■/□						
Jigsaws/Cordless Jigsaw	STE 140 Plus, STEB 140 Plus STA 18 LTX 140, STEB 65 Quick						
	■						
	STEB 70 Quick, STEB 80 Quick STE 90 SCS, STE 100 SCS						
	■						
Sanders	DSE 280 Intec, DSE 300 Intec						
	+ 624994000						
	FMS 200 Intec, FSR 200 Intec						
	FSX 200 Intec						
	+ 626996000						
	SRE 3185, SR 2185, SXE 3125, SXE 3150						
	■						
	SXE 400						
	■						
	SXE 425 TurboTec, SXE 450 TurboTec						
	■						
	SRE 4350 TurboTec, SRE 4351 TurboTec						
	■						
	MT 18 LTX						
	■						
Belt sanders	BAE 75						
	■						
Cutting systems	W 12-125 HD Set CED / W 12-125 HD Set CED Plus						
	■/□						
Cutting/extraction guards for angle grinders	CED 125, CED 125 Plus						
	■/□						
	Guard Ø 180 mm, Ø 230 mm						
	■/□						
Sanding/extraction guards for angle grinders	GED 125						
	■/□						
Routers and planers	Ho 0882, LF 724 S, OFE 738, OFE 1229 Signal						
	■/□						
Wall chasers	MFE 30, MFE 65						
	■						
Renovation grinders	RS 14-125/17-125, WE 15-125 HD Set GED, RF 14-115						
	■/□						

<sup>1)</sup> only compatible with hose 631337000




















■ Connection possible without adapter  
□ Connection possible via an optional coupling bush - large Ø 41/48 mm (order no. 630796000)

Extraction possibility when drilling

- For all drills, combination and multi-hammers as well as drills and impact drills
- Vacuum cleaner adapter for extracting the drill dust directly from the drilled hole
  - Auto-suction on almost all surfaces










	for drill Ø	for suction hose Ø	Order number
DDE 14	4-14 mm	32 mm 35 mm	630829000
DDE 72	up to 32 mm with brush rim up to 32-72 mm without brush rim	32 mm with click adapter* 35 mm with threaded adapter* *included in the scope of delivery	631343000

WHICH CONNECTION OPTION FOR WHICH WOOD PROCESSING TOOL?

	Metabo All-purpose Vacuum Cleaner						Chip and Dust Extraction Units					
	ASA 32 L		ASR 50 L SC				SPA 1200 					
	ASA 25 L PC <sup>1)</sup>		ASR 50 M SC				SPA 1702 W					
	ASA 30 L PC Inox <sup>1)</sup>		ASR 35 L, M, H ACP				SPA 2002 W					
	ASR 25 L SC						SPA 2002 D					
Diameter	Ø 27 mm		Ø 32 mm		Ø 35 mm		Ø 58 mm		Ø 100 mm			
Length	3.5 m	3.5 m	3.5 m	2.5 m	3.2 m	4.0 m	3 m		2.5 m <sup>2)</sup>	5 m	10 m	
Order number	631938000	631939000	631337000	631752000	631362000	631370000	630312000		7854112915	7854115035		
												
	anti-static					anti-static						
Adapter and connectors	without adapter	with suction adapter 0910059955 	with transition piece 630316000 	with suction adapter 0910031260 			without adapter	with suction adapter Multi 0910058010 	with suction adapter 0910031260 	without adapter	with suction adapter Multi 0910058010 	with universal adapter 0913031288 
Mitre saws												
KS 216 M Lasercut												
KGSV 216 M	■/□							□			□	
KGS 254 M												
KGS 305 M												
KS 254 Plus	■/□							■			■	
KS 305 Plus		■/□										
KGSV 72 Xact	■/□							□			□	
KGSV 72 Xact SYM												
KGS 216 Plus												
KGS 254 Plus												
KGS 254 I Plus												
KGS 315 Plus												
KGT 300	□											
KGT 305 M	■/□							□			□	
Pull saws												
UK 290												
UK 333												
with two-point extraction 0910064371												
Table circular saws												
TS 216	■/□											
TS 254												
TKHS 315 C												
TKHS 315 M												
Planing machines												
HC 260 C												
DH 330												
Band saws												
BAS 261 Precision												
BAS 260 Swift	□											
BAS 318 Precision												
BAS 317 Precision												
BAS 505 Precision												










■ Connection possible without adapter  
 □ Connection possibility via optionally available coupling bush - large Ø 41/48 mm (order no. 630796000)  
<sup>1)</sup> only compatible with hose 631337000  
<sup>2)</sup> only available in the scope of delivery, available as spare part

Suction Hoses




	Order number
 <b>Suction hose</b> ■ With bayonet fitting and rubber connector (internal Ø 30 mm, outside Ø 35 mm) Connector Ø: 58 mm / 35 mm Hose length: 3.5 m Suction hose Ø: 27 mm	631938000
 <b>Suction hose</b> ■ Antistatic suction hose ■ With bayonet fitting and rubber connector (internal Ø 30 mm, outside Ø 35 mm) Connector Ø: 58 mm / 35 mm Hose length: 3.5 m Suction hose Ø: 27 mm	631939000
 <b>Suction hose</b> ■ With coupling bush with shunt air opening ■ Standard equipment for ASA 25 L PC and ASA 30 L PC Inox Hose length: 3.5 m Suction hose Ø: 32 mm	631337000
 <b>Suction hose</b> ■ With swivel joint and bayonet connector ■ Standard equipment for AS 20 L Connector Ø: 58 mm / 35 mm Hose Length: 1.75 m Suction hose Ø: 35 mm	631751000
 <b>Suction hose</b> ■ With swivel joint ■ For bayonet fitting Connector Ø: 58 mm / 35 mm Hose Length: 2.5 m Suction hose Ø: 35 mm	631752000
 <b>Suction hose</b> ■ With swivel joint ■ Standard equipment for ASA 32 L, ASR 50 L SC, ASR 25 L SC Connector Ø: 58 mm / 35 mm Hose length: 3.5 m Suction hose Ø: 35 mm	631362000
 <b>Suction hose</b> ■ When using a second suction hose, the dust extraction device can be placed at a distance of up to 8 m from the workplace ■ With bayonet fitting for connection to the extraction nozzle of wall chasers MFE 30, MFX 65 and MFE 65 Connector Ø: 35/35 mm Hose length: 4 m Suction hose Ø: 35 mm	630344000
 <b>Suction hose</b> ■ Antistatic suction hose ■ For bayonet fitting ■ With swivel joint ■ Standard equipment for ASR 50 M SC, ASR 35 M/H ACP Connector Ø: 58 mm / 35 mm Hose length: 4 m Suction hose Ø: 35 mm	631370000
 <b>Suction hose</b> Connector Ø: 58/58 mm Hose length: 3 m Suction hose Ø: 58 mm	630312000

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Adapter








	Order number
 <p><b>Handle adapter</b>                      ■ As handle, for attaching between the suction hoses and the suction pipes                      ■ Standard equipment for ASR 2025, ASR 2050 and SHR 2050 M</p>	630317000
 <p><b>Reducing sleeve 58/35 mm</b>                      ■ Connector Ø: 58 mm / 35 mm</p>	631364000
 <p><b>Adapter 30/35 mm</b>                      ■ For connecting the suction hose with connector Ø 35 mm to an extraction nozzle Ø 30 mm</p>	624996000
 <p><b>Adapter 35/38 mm</b>                      ■ For connecting the suction hoses with connector Ø 35 mm to an extraction nozzle Ø 58 mm. Adapter is part of the dust extraction set 630828000.</p>	630316000*
 <p><b>Connection bush 41/48 mm</b>                      ■ Particularly suited for coarse dirt, as well as devices with high generation of dust. Conducts electricity, length: 90 mm, inside/outside Ø: 41/48 mm</p>	630796000*
 <p><b>Connection bush 28/35 mm</b>                      ■ Universal connection bush for most hand-held power tools. Standard connection bush of the Metabo suction hoses.                      ■ Conducts electricity; with non-slip internal corrugation; inside/outside Ø: 28/ 35 mm</p>	630798000
 <p><b>Bayonet adapter</b>                      ■ For bayonet fitting of suction hoses with Ø 35 mm connector (without bayonet fitting connector) in electrical tools with Ø 35 mm extraction nozzle</p>	630898000*
 <p><b>Connecting sleeve 58 mm</b>                      ■ For joining two suction hoses with connector Ø 58 mm</p>	631365000
 <p><b>Y-piece</b>                      With Ø 58 mm connector and two Ø 58 mm openings for use in the Metabo multi-purpose vacuum cleaners and the special purpose vacuum cleaner</p>	630897000*

Suction Pipes

	Diameter mm	Length m	Type	Sales unit	Order number
	35	0.4	Plastic	2	630314000
	58	0.4	Plastic	2	630867000
	35	0.4	Chromium-plated	2	631363000



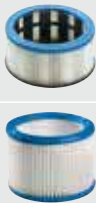

Nozzles

	Order number
 <p><b>Suction nozzle</b>                      Standard equipment for ASA 1202                      Type: suction nozzle                      Width: 120 mm</p>	630320000*
 <p><b>Universal nozzle</b>                      Reversible                      Type: universal nozzle                      Width: 300 mm</p>	630322000
 <p><b>Floor nozzle</b>                      Also suitable for vacuuming liquids                      With brush head and rubber head                      Type: floor nozzle                      Width: 370 mm</p>	630329000
 <p><b>Floor nozzle</b>                      Metal version                      Type: floor nozzle                      Width: 450 mm</p>	631940000







	Order number
 <p><b>Floor nozzle</b>                      Type: floor nozzle                      Width: 360 mm</p>	630868000
 <p><b>Set of floor nozzles</b>                      Set made up of: Nozzle body, floor insert and insert for wet vacuuming                      Type: multi-purpose nozzle                      Width: 370 mm</p>	630321000
 <p><b>Multi-purpose nozzle</b>                      With 3 inserts for vacuuming carpets, flat surfaces and for vacuuming liquids                      Type: multi-purpose nozzle                      Width: 270 mm</p>	630328000
 <p><b>Universal brush</b>                      Type: universal brush                      Width: 40 mm                      Length: 120 mm</p>	630244000
 <p><b>Upholstery brush</b>                      Type: upholstery brush                      Width: 40 mm                      Length: 60 mm</p>	630245000*
 <p><b>Grouting nozzle</b>                      Standard equipment for AS 1200, ASA 1202, ASR 2025, ASR 2050 and SHR 2050 M                      Type: grouting nozzle                      Length: 200 mm</p>	630323000*
 <p><b>Rubber nozzle</b>                      Type: rubber nozzle                      Length: 200 mm</p>	630324000*

\*Self-service packaging

WHICH FILTER BAGS/FILTER CASSETTES FIT WHICH EXTRACTION UNIT?












Filter bags/filter cassettes				Order number	AS 20 L AS 1200 ASA 1201	ASA 32 L ASA 1202	ASA 25 L PC ASA 30 L PC Inox	ASR 25 L SC ASR 2025 ASA 2025	ASR 50 L SC ASR 2050 SHR 2050 M	ASR 50 M SC	ASR 35 L / M ACP	ASR 35 H ACP	
Paper filter bag		5 pcs.	20l	631754000	■								
		5 pcs.	25l	631935000				■					
		5 pcs.	32l	631757000		■							
		5 pcs.	50l	631936000					■	■			
PE disposal bag		5 pcs.	35/50l	630325000						■	■	■	
		5 pcs.	25/30l	630298000			■						
Fleece filter bag		5 pcs.	25/35l	630343000				■			■		
		5 pcs.	45/50l	630359000					■	■			
Pleated filter		1 pcs.	Polyester	631753000	■	■							
		1 pcs.	Polyester	630299000			■						
		5 pcs.	25/30l	630296000			■						
Filter cassettes		2 pcs.	Cellulose	631933000				■	■	■	■		
		2 pcs.	Polyester	631934000				■	■	■	■		
		2 pcs.	Polyester nano-coated	631894000				■	■	■	■		
		2 pcs.	Polyester H/ HEPA	630326000								■	

Filter Bag

PE disposal bag		Order number
	<b>PE disposal bag - 25/30 l</b> ■ Clean, simple and fast removal and disposal suitable for: ASA 25 L PC, ASA 30 L PC Inox Sales unit: 5	630298000
	<b>PE disposal bag - 35/50 l</b> ■ 20 times the volume of paper filter bags. PE disposal bags cannot become blocked with fine dust ( quartz dust in particular) like paper filter bags. ■ Especially suitable for stone dusts ■ Meet the requirements for M and H class vacuums ■ Clean, simple and fast removal and disposal suitable for: ASR 35 L AutoClean, ASR 35 M AutoClean, ASR 35 L/M/H ACP, ASR 50 M SC Sales unit: 5	630325000
Fleece filter bag		Order number
	<b>Fleece filter bag</b> ■ Fleece filter bags are better and easy to open out than paper ones ■ Improved mechanical stability suitable for: ASA 25 L PC, ASA 30 L PC Inox Sales unit: 5	630296000
	<b>Fleece filter bags – 25/35 l</b> ■ Fleece filter bags are better and easy to open out than paper ones ■ Improved mechanical stability Suitable for all all-purpose and special suction units with a maximum container volume of 25/35 l suitable for: ASR 35 L AutoClean, ASR 35 M AutoClean, ASR L/M ACP, ASR 25 L SC Sales unit: 5	630343000
	<b>Fleece filter bags – 45/50 l</b> ■ Fleece filter bags are better and easy to open out than paper ones ■ Improved mechanical stability suitable for: ASR 50 L SC, ASR 50 M SC Sales unit: 5	630359000
Paper filter bag		Order number
	<b>Paper filter bag, 20-litre</b> suitable for: AS 1200, ASA 1201, AS 20 L Sales unit: 5	631754000*
	<b>Paper filter bag, 50-litre</b> suitable for: ASA 9050, ASR 1250, SHO 1150 Sales unit: 5	631349000
	<b>Paper filter bag, 25-litre</b> suitable for: ASA 2025, ASR 2025, ASR 25 L SC Sales unit: 5	631935000*
	<b>Paper filter bag, 50-litre</b> suitable for: ASR 2050, SHR 2050 M, ASR 50 L SC, ASR 50 M SC Sales unit: 5	631936000
	<b>Paper filter bag, 32-litre</b> suitable for: ASA 1202, ASA 32 L Sales unit: 5	631757000*
	<b>Paper filter bag, 27 litre</b> suitable for: ASA 9011 Sales unit: 5	631348000

\*Self-service packaging

Additional Accessories for All-purpose Vacuum Cleaners

	Order number
 <p><b>Paper pre-filter</b>                      ■ Prevents the pleated filter from becoming clogged with dirt and dust                      suitable for: ASA 9050, ASR 1250                      Sales unit: 5</p>	631345000
 <p><b>Polyester pre-filter</b>                      ■ Prevents the pleated filter from becoming clogged with dirt and dust                      suitable for: AS 1200, ASA 1201, ASA 1202, AS 20 L, ASA 32 L                      Sales unit: 1</p>	631967000
 <p><b>Pleated filter</b>                      ■ Corresponds to dust class M                      suitable for: ASA 25 L PC, ASA 30 L PC Inox                      Sales unit: 1</p>	630299000
 <p><b>Pleated filter</b>                      ■ Corresponds to dust class M                      suitable for: AS 20 L, AS 1200, ASA 1201, ASA 32 L, ASA 1202                      Sales unit: 1</p>	631753000
 <p><b>Paper filter cassettes</b>                      ■ Corresponds to dust class M                      suitable for: ASA 2025, ASR 2025, ASR 2050, SHR 2050 M, ASR 35 L/M AutoClean, ASR 25 L SC, ASR 35 L/M ACP, ASR 50 L/M SC                      Sales unit: 2</p>	631933000
 <p><b>2 Polyester filter cassettes</b>                      ■ Corresponds to dust class M                      ■ Also suitable for absorbing graphite/toner and vacuuming liquids                      suitable for: ASA 2025, ASR 2025, ASR 2050, SHR 2050 M, ASR 35 L/M AutoClean, ASR 25 L SC, ASR 50 L/M SC, ASR 35 L/M ACP                      Sales unit: 2</p>	631934000
 <p><b>2 HEPA filter cassettes</b>                      ■ Corresponds to dust class H (HEPA 13)                      ■ HEPA = high efficiency particular air filter                      ■ Keeps back 99.995% of fine dusts over 3 μ                      suitable for: ASR 2025, ASR 2050, SHR 2050 M, ASR 35 L/M AutoClean, ASR 35 L/M/H ACP                      Sales unit: 2</p>	630326000
 <p><b>2 Filter cassettes, polyester, nano-coated</b>                      ■ Suitable for fibrous fine dusts; e.g. when cutting and grinding Fermacell boards, gypsum plaster and MDF boards                      ■ Larger pleat distance for better, easier cleaning of the filter                      ■ Smooth filter material (surface nano-coated); therefore significantly higher volume flow for a longer time                      ■ Corresponds to dust class M                      suitable for: ASR 25 L SC, ASR 50 M SC, ASR 50 L SC, ASR 35 L/M AutoClean, ASR 35 L/M ACP                      Sales unit: 2</p>	631894000
 <p><b>Cable clips</b>                      ■ For affixing the cables of power tools to the suction hose of the all-purpose or specialist suction unit                      ■ Suitable for all all-purpose and special suction units with a hoses with Ø 27 mm and Ø 35 mm                      Sales unit: 10</p>	630313000
 <p><b>Carrying Handle</b>                      ■ Very light and easily mobile as a result                      ■ Including spring cotter                      suitable for: ASR 35 L/M AutoClean, ASR 35 L/M/H ACP</p>	630311000
 <p><b>Metadepot</b>                      ■ For practical storage of pipes, cables and accessories.                      ■ Permits the combination of the Metabo all-purpose vacuum cleaners with the MetaLoc system                      suitable for: ASR 2025, ASR 2050, SHR 2050 M, ASR 25 L SC, ASR 50 L SC, ASR 50 M SC</p>	631937000



Technical data	Chip and Dust Extraction Unit SPA 1200	Chip and Dust Extraction Unit SPA 1702 W
Dimensions	830 x 450 x 1,600 mm	882 x 562 x 1,671 mm
Maximum vacuum	1,600 Pa	1,730 Pa
Maximum volume flow	900 m³/h	1,010 m³/h
Filter surface	1 m²	1.1 m²
Hose connection Ø	100 mm	100 mm
Chip bag capacity	65 l	90 l
Mains voltage	220-240 V	230 V
Rated input power	0.55 kW	0.75 kW
Weight	22 kg	24 kg
Cable length	3 m	-

Scope of delivery	601205	0130170100
Order number		
Suction hose 100 x 2500 mm	■	■
Filter bag made of needle felt	■	■
Chip Collection Bags	■	■

Product advantages

- Integrated grounding as protection from electrostatic charge
- Raw air extraction device for (semi) stationary wood processing machines (observe country-specific regulations!)
- Significantly reduces dust content
- Filter material of dust class L
- Quick change of the application location by means of wheeled unit and simple connection
- Stable stand with supported chip collection bag
- Comprehensive range of accessories: automatic switch-on devices, filter cartridges, hoses and adapters

System components

Accessories ▶ 415



Technical data	Chip and Dust Extraction Unit SPA 2002 W	Chip and Dust Extraction Unit SPA 2002 D
Dimensions	1,178 x 650 x 1,973 mm	1,178 x 650 x 1,973 mm
Maximum vacuum	2,124 Pa	2,124 Pa
Maximum volume flow	790 m <sup>3</sup> /h	790 m <sup>3</sup> /h
Filter surface	4.1 m <sup>2</sup>	4.1 m <sup>2</sup>
Hose connection Ø	100 mm	100 mm
Chip bag capacity	135 l	135 l
Mains voltage	230 V	400 V
Rated input power	1.1 kW	1.5 kW
Weight	114 kg	116 kg
<b>Scope of delivery</b>		
Order number	0130200100	0130200110
Suction hose 100 x 2500 mm	■	■

**Product advantages**



- High torque three-phase motor
- Raw air extraction device, meets the purity and safety requirements of the regulation GS-HO-07
- User protection by means of continuous compliance of only 0.1 mg/m<sup>3</sup> residual dust content (dust class M)
- Released for commercial use
- For connection to stationary and semi-stationary woodworking machines
- Optimum ratio of flow and vacuum for maximum performance
- Cyclone technology goes easy on the filter for extended maintenance intervals
- Manometer for monitoring the minimum air volume flow
- Easy and effective filter cleaning, even during operation
- Stable stand with supported chip collection bag
- Wheeled collection container for easy transport of the chips
- Release lever for quick changing of dust sack
- Window for checking fill level of bin
- Comprehensive range of accessories: automatic switch-on devices, filter cartridges, hoses and adapters

**System components**


Accessories → 415

**Auto switch-on devices**

- Automatic power on/off of the chip and dust extraction unit after the wood processing machine has been switched on or off
- Time-delayed: in this way, even residual dust is extracted

	Order number
 <p><b>Automatic switch-on device ALV 1</b> 2 Alternating current sockets ( 230 V ) 200 VA - 2300 VA IP 44 340 g Mains Voltage 220-240 V Mains frequency: 50 - 60 Hz Dimensions: 158 x 116 x 60 mm suitable for: SPA 1000, SPA 1100, SPA 1701 W, SPA 2001 W, SPA 1101, SPA 1702 W, SPA 2002 W, SPA 1200</p>	0913014626
 <p><b>Automatic switch-on device ALV 10</b> 2 Alternating current sockets ( 230 V ) 2 Three-phase sockets ( 400 V ) Mains connection with phase inverter Mains voltage: 220-240 V / 380-400 V 4 Screwing options M5 x 7.2 mm IP 44 Mains voltage: 230/400 V Mains frequency: 50 - 60 Hz Fuse protection: T 16 A Dimensions: 235 x 106 x 155 mm suitable for: SPA 1000, SPA 1700 D, SPA 2000 D, SPA 1100, SPA 1701 W, SPA 2001 W, SPA 2001 D, SPA 1101, SPA 1702 W, SPA 2002 W, SPA 2002 D, SPA 1200</p>	0913014634

**Filter cartridges**

- 
  - Filters the finest dust particles

	Order number
<p><b>Filter cassette</b> Filter area 5.2 m<sup>2</sup> Ø 327 x 857 mm Corresponds to dust class M suitable for: SPA 1000, SPA 1100, SPA 1101</p>	0913005058
<p><b>Filter cartridge</b> Filter area 5.2 m<sup>2</sup> Ø 327 x 857 mm Corresponds to dust class M suitable for: SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 1200</p>	0920016529
<p><b>Filter cartridge</b> Assortment pack of pocket filters with mounted filter plate (as spare) Corresponds to dust class M suitable for: SPA 2001 W, SPA 2001 D, SPA 2002 W, SPA 2002 D</p>	0913059441

**Chip collection bags**



	Order number
<p><b>Chip collection bags</b> suitable for: SPA 1000, SPA 1100, SPA 1101 Sales unit: 10</p>	0913007123
<p><b>Chip collection bags</b> suitable for: SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 1200 Sales unit: 10</p>	0913017617
<p><b>Chip collection bags</b> suitable for: SPA 2000 D Sales unit: 10</p>	0913013581
<p><b>Chip collection bags</b> suitable for: SPA 2001 W, SPA 2001 D, SPA 2002 D, SPA 2002 W Sales unit: 10</p>	0913059433



Suction hoses, Ø 100 mm



Length m	Diameter mm	Order number
5	100	7854112915
10	100	7854115035





Hose connection sets, Ø 100 mm



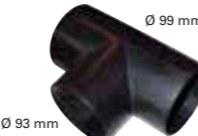
- For the length extension of the standard hose of the chip and dust extraction units
- Including adapter and transition ring

	Order number
<b>Hose Connection Set</b> Length: 2.5 m  suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1200, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 1200	0913010779
<b>Hose connection set</b> Length: 2 m Low flammability with inserted earth cable  suitable for: SPA 2000 D, SPA 2001 W, SPA 2001 D, SPA 2002 D, SPA 2002 W	0913013565


Suction adapter

	Order number
 <p><b>Suction adapter KGS</b> For connecting the crosscut and mitre saws to the Metabo multi-purpose vacuum cleaner  suitable for: KGS 255, KGS 301, KGS 303, KGS 305, KGT 300</p>	0910059955*
 <p><b>Suction adapter Multi</b> For KS 216 M Lasercut/ KGS 216 M/ KGS 254 M/ KS 254 Plus/ KS 305 Plus/ KGS 255 / KGS 305 / KGT 300 / TS 250 For KGS 303 only with chip and dust extraction unit order no. 0910057561  suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W, SPA 1200</p>	0910058010*
 <p><b>Suction adapter</b> For the connection of wet/dry vacuum cleaners to the wood processing machines  suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1200, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	0910031260*
 <p><b>Universal adapter</b> As a coupling for transition ring or extraction nozzle DH 330 As a hose connection for the cleaning nozzle  suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1200, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	0913031288

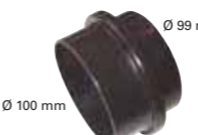
Diversions

	Order number
 <p><b>Diversions</b> For connecting 2 hoses to the chip and dust extraction unit  suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1200, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	0913031296

Nozzles

	Order number
 <p><b>Cleaning nozzle</b> For cleaning floors and machines  suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1200, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	0913031270

Transition rings

	Order number
 <p><b>Transition ring</b> As a coupling for the universal adapter and for the diversion Supplied as standard with all chip and dust extraction units  suitable for: SPA 1000, SPA 1100, SPA 1101, SPA 1200, SPA 1700 D, SPA 1701 W, SPA 1702 W, SPA 2000 D, SPA 2001 D, SPA 2001 W, SPA 2002 D, SPA 2002 W</p>	0913031300*

# M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR MAXIMUM CLEANLINESS.

Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum cleanliness for drilling, grinding, cutting or sawing thanks to Metabo + System effect.

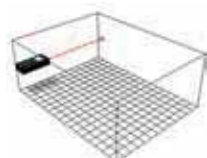
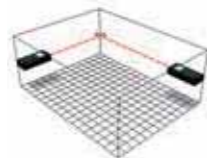
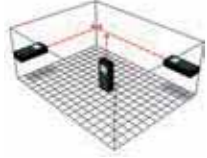
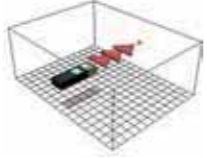
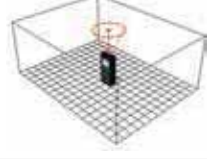
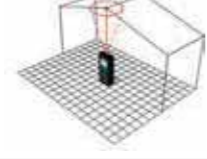
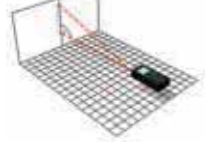



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## Measuring Technology

# LASER DISTANCE METERS

Take measurements accurate to the millimetre at the touch of a button: With the handy laser distance meters from Metabo you can take quick, precise measurements on your construction site and thus save time and money. There are different functions available for different applications. Apart from length, width and height of rooms you can also calculate sections, volumes or areas by combining the measurement data. In no time at all you will be able to determine your material requirements and create customised offers in a fast and simple manner.

Function	Applications	Function	Applications
<b>Length</b>  Determine the distance with one measurement	<ul style="list-style-type: none"> <li>Room length</li> </ul>	<b>Area</b>  Determine the area with 2 measurements	<ul style="list-style-type: none"> <li>Area calculation e.g. for paint requirements</li> <li>Drawing up of a floor plan</li> </ul>
<b>Volume</b>  Determine the volume with 3 measurements	<ul style="list-style-type: none"> <li>Layout of heating systems / air conditioning systems</li> </ul>	<b>Continuous measurement (tracking)</b>  Continuous measurements e.g. to monitor positions	<ul style="list-style-type: none"> <li>Marking of welding points</li> <li>Setting up furniture / positioning</li> </ul>
<b>Minimum tracking</b>  Continuous measurement to determine the shortest distance between 2 points	<ul style="list-style-type: none"> <li>Installation of doors / windows</li> </ul>	<b>Maximum tracking</b>  Continuous measurement to determine the longest distance between 2 points (e.g. maximum diagonal measurement)	<ul style="list-style-type: none"> <li>Verify the squareness and perpendicular characteristics of the room (space diagonal)</li> </ul>
<b>Pythagoras 1</b>  Determination of a distance (height) with 2 auxiliary measurements	<ul style="list-style-type: none"> <li>Windows</li> <li>Walls</li> </ul>	<b>Pythagoras 2</b>  Determine a distance (height/width) with 3 auxiliary measurements	<ul style="list-style-type: none"> <li>Windows</li> <li>Walls</li> <li>Houses (setting up scaffolding)</li> </ul>

## Which laser distance meter for which application?

Function	Length	Area	Volume	Continuous measurement
LD 30	■	■	■	■
LD 60	■	■	■	■

Function	Minimum tracking	Maximum tracking	Pythagoras 1	Pythagoras 2
LD 30	■	■	■	■
LD 60	■	■	■	■



### Technical data

	Laser Distance Meter LD 30	Laser Distance Meter LD 60
Laser class	2	2
Wavelength	635 nm	635 nm
Light output	< 1 mW	< 1 mW
Measurement range	0.2 - 30 m	0.05 - 60 m
Measuring accuracy	± 3 mm	± 1.5 mm
Number of measurements per battery charge	5.000	5.000
Protection type IP	IP 54	IP 40
Weight (with batteries)	0.1 kg	0.11 kg
Laser functions	Length, area, volume, continuous measurement (tracking)	Length, area, volume, continuous measurement (tracking), Pythagoras 1, Pythagoras 2, minimum tracking, maximum tracking

### Scope of delivery

Order number	606162	606163
Belt pouch	■	■
2 Batteries AAA 1.5 V (LR03)	■	■

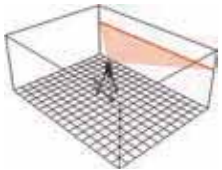

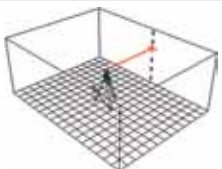
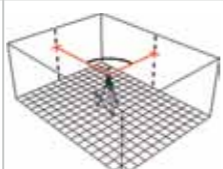
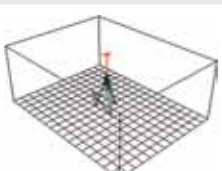
### Product advantages

- LC display with large digits for good legibility
- Illuminated LC display for good readability, even in poor light conditions
- Signal tone after measurement to avoid errors
- Flexible application range by switching the measurement reference (front / rear)
- Quick measurements and simple operation
- Certified according to ISO 16331-1: guaranteed measurement quality for accuracy and range
- Handy, robust device with impact-proof housing and soft grip material
- Energy-saving thanks to automatic shutdown

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# POINT AND LINE LASER

The first step for a perfect interior development is precise measurements. With the point and line lasers from Metabo you can ensure accuracy on the construction site. The compact devices facilitate workflows, save time and costs, and increase productivity. The robust measuring instruments project horizontal and vertical lines or plumb-lines on walls, ceilings, and floors. At the touch of a button you can create for example the contours of a drywall with an almost complete 360° vertical line or facilitate the laying of tiles with up to 15 metre long right-angled laser lines on the subsurface. Our point and line lasers are the ideal robust and water resistant aid for precise planning on construction sites.

Function	Applications	Function	Applications
 <p><b>Horizontal line</b> Laser projects a horizontal line onto the wall</p>	<p><b>Horizontal levelling:</b></p> <ul style="list-style-type: none"> <li>■ Create tiled sections</li> <li>■ Suspend ceilings</li> <li>■ Levelling window heights</li> <li>■ Installing kitchens</li> </ul>	 <p><b>Vertical line</b> Laser projects a vertical line at onto the wall, floor, and ceiling</p>	<p><b>Vertical levelling:</b></p> <ul style="list-style-type: none"> <li>■ Installation of intermediate / partition walls</li> <li>■ Cable installation</li> <li>■ Wallpapering</li> </ul>
 <p><b>Point function</b> Laser beam becomes visible as a point on a targeted area</p>	<ul style="list-style-type: none"> <li>■ Position intermediate / partition walls</li> <li>■ Setup of carports</li> <li>■ Layout work</li> </ul>	 <p><b>Right angle (90°)</b> Laser beams are transmitted at a 90° angle</p>	<ul style="list-style-type: none"> <li>■ Create and transfer tiled sections</li> <li>■ Verification of perpendicular aspects of the room</li> <li>■ Layout creation</li> </ul>
 <p><b>Plumb-line function</b> Laser projects a defined point from the floor to the ceiling</p>	<ul style="list-style-type: none"> <li>■ Lighting designs</li> <li>■ Install staircases</li> </ul>		



Which point and line laser for which application?

Function	Line horizontal	Vertical line	Point function	Right angle (90°)	Plumb-line function
PL 5-30			■	■	■
BLL 2-15				■	
KLL 2-20	■	■			■
MLL 3-20	■	■		■	■



**Technical data**

	Point Laser PL 5-30	Floor Line Laser BLL 2-15
Laser class	2	2
Wavelength	635 nm	635 nm
Light output	< 1 mW	< 1 mW
Laser visibility in indoor areas	30 m	15 m
Levelling accuracy	± 0.3 mm/m	-
Self-levelling range	± 4.5 °	-
Straightness of lines	-	± 0.3 mm/m
Accuracy 90° angle	± 0.2 mm/m	± 0.3 mm/m
Operating time per battery charge	20 h	20 h
Protection type IP	IP 54	IP 54
Weight (with batteries)	0.53 kg	0.34 kg
Laser functions	Point function, right angle (90°), plumb-line function	Right angle (90°)
Number of lines	-	2
Number of points	5	-
Tripod thread	1/4"	-

**Scope of delivery**

Order number	606164	606165
Target plate	■	■
Belt pouch	■	■
Wall bracket	■	■
3 Batteries AA 1.5 V (LR6)	■	■

**Product advantages**

- Handy, robust device with impact-proof housing and soft grip material
- Self-levelling thanks to pendulum technology
- Protection and transport function: Laser in U-frame can be pivoted by 360° to protect the laser optics and pendulum
- Extendible foot for appropriate height adjustment of the laser
- Variable use of the laser: on the floor, mounted on a tripod, fastened to metal with magnet or fixed with metal lugs
- Rare earth magnet with V-groove for stable placement on metallic objects
- LED display advises low energy level in advance
- Problem solver for precise flooring jobs and layouts of any size
- Flexible work on tiles or level surfaces with dual purpose base with positioning claws
- Ideal shape for use in corners of rooms and to verify perpendicular surfaces
- No interruption due to unevenness thanks to the raised laser optics
- Precise, time-efficient working along the laser line for maximum productivity
- Vial aligned with the 90° angle for verification of the horizontal position of the laser

**System components**

Accessories ▶ 425

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Technical data	Cross Line Laser KLL 2-20	Multi-line Laser MLL 3-20
Laser class	2	2
Wavelength	635 nm	635 nm
Light output	< 1 mW	< 1 mW
Laser visibility in indoor areas	20 m	20 m
Levelling accuracy	± 0.3 mm/m	± 0.3 mm/m
Self-levelling range	± 4.5 °	± 4 °
Straightness of lines	± 0.2 mm/m	± 0.2 mm/m
Accuracy 90° angle	-	± 0.3 mm/m
Operating time per battery charge	20 h	10 h
Protection type IP	IP 54	IP 54
Weight (with batteries)	0.54 kg	0.98 kg
Laser functions	Horizontal line function, vertical line function, plumb-line function	Horizontal line function, vertical line function, right angle (90°), plumb-line function
Number of lines	2	3
Number of points	2	1
Tripod thread	1/4"	5/8"

Scope of delivery


Order number	606166	606167
Target plate	■	■
Belt pouch	■	■
Wall bracket	■	■
Laser goggles	■	■
3 Batteries AA 1.5 V (LR6)	■	■
4 Batteries AA 1.5 V (LR6)	■	■
MetaLoc Case	■	■


Product advantages


- Positioned directly on the wall, the laser generates an almost 360° vertical line
- Extendible foot for appropriate height adjustment of the laser
- 360° horizontal line for marking, alignment and levelling in the entire room
- Manual fine adjustment of the 90° angle of the vertical lines while maintaining the plumb point
- Stable aluminium upper housing to protect the horizontal laser optics
- Extendible foot for height adjustment, folding for direct placement against U profiles
- Handy, robust device with impact-proof housing and soft grip material
- Self-levelling thanks to pendulum technology
- Protection and transport function: Laser in U-frame can be pivoted by 360° to protect the laser optics and pendulum
- Variable use of the laser: on the floor, mounted on a tripod, fastened to metal with magnet or fixed with metal lugs
- Rare earth magnet with V-groove for stable placement on metallic objects
- Energy-saving power controls for each individual laser line
- LED display informs about low energy level in due time

System components

Accessories → 425

	Order number
 <p><b>Construction tripod</b></p> <ul style="list-style-type: none"> <li>■ Multi-purpose aluminium construction tripod</li> <li>■ Ideal for working on the metre line above ground level</li> <li>■ Telescopic legs with quick locking and anti-splay stop</li> <li>■ Geared column with metric gauge for fine adjustment of height</li> <li>■ Removable tripod head for convenient setup</li> <li>■ Good stability thanks to non-slip rubber feet</li> <li>■ Adapter for connecting different devices</li> <li>■ Easy to transport thanks to carry strap and bag</li> </ul> <p>Working height: 74 cm – 192 cm Working height including extension piece: up to 265 cm Connecting thread: 1/4"+ 5/8" Weight: 5 kg</p>	628791000

	Order number
 <p><b>Telescopic support</b></p> <ul style="list-style-type: none"> <li>■ Variable positioning up to 290 cm</li> <li>■ Clamped at the touch of a button thanks to quick feed</li> <li>■ Rubberised boards permit use on slanted ceilings</li> <li>■ Ideal for laser measurement devices or site lights</li> </ul> <p>Load capacity up to 60 kg Connecting thread: 1/4"+ 5/8" Transport height: 145 cm Weight: 2.5 kg</p>	628790000

	Order number
 <p><b>Compound slides</b></p> <ul style="list-style-type: none"> <li>■ Precise, very accurate adjustment of laser devices in 4 directions</li> <li>■ Range: 5 cm to the left/right, 10 cm forwards/backwards</li> <li>■ Can be fixed directly on the tripod</li> </ul> <p>Connecting thread: 1/4" + 5/8" Weight: 0.66 kg</p>	628792000*

\*Self-service packaging

## M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR ACCURATE CUTS.

Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum performance when sawing thanks to Metabo + System effect.



## Semi-stationary Woodworking

# WHICH MITRE SAW FOR WHICH APPLICATION?












Comparative technical values											
	<b>KS 216 M Lasercut / KS 18 LTX 216</b>	<b>KGS 216 M / KGS 18 LTX 216</b>	<b>KGSV 216 M</b>	<b>KGS 254 M</b>	<b>KGS 305 M</b>	<b>KS 305 M</b>	<b>KGSV 72 Xact</b>	<b>KGSV 72 Xact SYM</b>	<b>KGS 254 Plus</b>	<b>KGS 315 Plus</b>	<b>KGS 254 I Plus</b>
Maximum crosscut of the workpieces at 90°/90°	 60 mm 120 mm	 65 mm 305 mm	 65 mm 305 mm	 92 mm 305 mm	 105 mm 305 mm	 80/102 mm <sup>1)</sup> 200/150 mm <sup>1)</sup>	 72 mm 305 mm	 72 mm 305 mm	 90 mm 305 mm	 120 mm 320 mm	 90 mm 305 mm
Maximum cross section of the workpieces at 45°/45°	 45 mm 80 mm	 36 mm 205 mm	 36 mm 205 mm	 47 mm 205 mm	 67 mm 205 mm	 45 mm 130 mm	 42 mm 215 mm	 42 mm 215 mm	 54 mm 214 mm	 76 mm 223 mm	 54 mm 214 mm
Supporting surface L x W	725 x 155 mm	730 x 345 mm	730 x 345 mm	775 x 340 mm	775 x 340 mm	775 x 340 mm	830 x 365 mm	830 x 365 mm	1,000 x 365 mm	1,070 x 365 mm	1,000 x 365 mm
Saw blade/number of teeth*	Ø 216 mm/40	Ø 216 mm/40	Ø 216 mm/60	Ø 254 mm/48	Ø 305 mm/56	Ø 305 mm/56	Ø 216 mm/48	Ø 216 mm/60	Ø 254 mm/60	Ø 315 mm/84	Ø 254 mm/60
Adjustment parameters: ■ Turntable left/right (maximum) ■ Bevel left/right (maximum)	47°/47° 47°/0°	47°/47° 47°/0°	47°/47° 47°/0°	47°/47° 47°/0°	47°/47° 47°/0°	52°/52° 47°/2°	50°/50° 47°/47°	50°/50° 47°/47°	47°/60° 46°/46°	47°/60° 46°/46°	47°/60° 46°/22,5°
Rated input power (S6 20%)	1,350 W / 18 V	1,500 W / 18 V	1,700 W	1,800 W	2,000 W	2,000 W	1,800 W	1,800 W	2,000 W	2,200 W	1,800 W
Weight	9.4 kg / 9.6 kg	13.5 kg / 13.8 kg	13.5 kg	16.3 kg	19.6 kg	17 kg	16.1 kg	18.3 kg	24 kg	26 kg	32.5 kg

\* Number of teeth on the standard saw blade

<sup>1)</sup> with additional stop (D x W) 100 x 150 mm

Application												
Cutting work when mobile	■■■	■■■	■■■	■■■	■■■		■■■	■■■	■■■	■■	■■	■
Preparation work in the workshop	■	■■	■■	■■	■■■		■■■	■■■	■■■	■■■	■■■	■■■
Clean sawing in enclosed areas	■■	■■	■■	■■	■■		■■	■■■	■■■	■■■	■■■	■■■
Cutting of aluminium profiles			■■					■■**	■■	■■**	■■**	
Quiet sawing												■■■
Trench cuts		■■■	■■■	■■■	■■■		■■■	■■■	■■■	■■■	■■■	■■■
Sawing skirtings	■■						■		■■■			

\*\* with "multi cut" saw blade (accessory)

Equipment												
Saw blade inclination	left	left	left	left	left		left	left/right	left/right	left/right	left/right	
Dust extraction properties	standard	Effective	Effective	Effective	Effective		Effective	Effective	Effective	Optimum (2 point)	Optimum (2 point)	Optimum (2 point)
Tension function and cutting depth limiter (e.g. for rebating)		●	●	●	●			●	●	●	●	●
Laser - mains powered												
Work light – mains powered	●	●	●	●	●		●	●	●	○	○	○
»Quick« saw blade change - no tools required										●	●	●
Soft start			●		●		●	●	●	●	●	●
Variable speed			●					●	●	●	●	
Induction motor												●

Application: ■ suitable ■■ very suitable ■■■ optimum

Equipment: ● present ○ optional



Technical data	Cordless Mitre Saw KS 18 LTX 216	Cordless Mitre Saw KGS 18 LTX 216 With sliding function
Type of battery pack	Li-Ion / LiHD	Li-Ion / LiHD
Battery pack voltage	18 V	18 V
Cutting capacity 90°/90°	120 x 60 mm	305 x 65 mm
Cutting capacity 45°/45°	80 x 45 mm	205 x 36 mm
Turntable setting left/right	47 °/47 °	47 °/47 °
Saw blade tilt left/right	47 °/2 °	47 °/2 °
Saw blade	Ø 216 x 30 mm	Ø 216 x 30 mm
No-load speed	4,200 /min	4,200 /min
Cutting speed	48 m/s	48 m/s
Weight (including battery pack)	9.6 kg	13.6 kg

Scope of delivery

Order number	619000 <sup>1)</sup>	619001 <sup>1)</sup>
Carbide saw blade (40 teeth)	■	■
2 Table length extensions	■	■
Length guide	■	■
Material clamp	■	■
Tool for saw blade change	■	■
Chip collection bags	■	■
2 Li-Power battery packs (18 V/5.2 Ah)	■	■
Charger ASC 30-36 V »AIR COOLED«	■	■

Equipment variants can be found in the Metabo price list and on the internet  
<sup>1)</sup> also available in 120 V (North/Latin America)

Product advantages

- Up to 400 cuts per battery charge (5.2Ah) in 195 x 8mm laminate
- Sliding function for wide work pieces
- Depth stop for easy creation of grooves
- Powerful cordless mitre saw perfect for assembly jobs with high volume of cuts
- Up to 200 cuts per battery charge (5.2 Ah) in 60 x 60mm soft wood
- Compact light weight, suitable also for one-handed transport
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Motor brake for quick stop of the saw blade in 3 seconds
- Robust die-cast aluminium design for the highest demands
- Effective internal chip and dust extraction via dust scoop and chip collection sack
- Fast and precise setting of common angles using stop points
- Cutting line laser and LED work light with energy-saving automatic switch-off
- Adjustable and extendable table width extension, removable to put long panels, slabs etc. underneath
- Sliding high rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front

System components

Accessories → 449, 456 | Battery packs → 64



Technical data	Mitre Saw KS 216 M Lasercut	Mitre Saw KGS 216 M With sliding function	Mitre Saw KGSV 216 M
Dimensions	475 x 465 x 285 mm	760 x 475 x 340 mm	760 x 475 x 340 mm
Cutting capacity 90°/90°	120 x 60 mm	305 x 65 mm	305 x 65 mm
Cutting capacity 45°/45°	80 x 45 mm	205 x 36 mm	205 x 36 mm
Turntable setting left/right	47 °/47 °	47 °/47 °	47 °/47 °
Saw blade tilt left/right	47 °/2 °	47 °/2 °	47 °/2 °
Saw blade	Ø 216 x 30 mm	Ø 216 x 30 mm	Ø 216 x 30 mm
Rated input power (S1 / S6 20%)	1,100 W / 1,350 W	1,200 W / 1,500 W	1,350 W / 1,700 W
No-load speed	5,000 /min	5,000 /min	2,500 - 5,500 /min
Cutting speed	57 m/s	57 m/s	28 - 62 m/s
Weight	9.4 kg	13.5 kg	13.5 kg
Cable length	2 m	2 m	2 m

Scope of delivery

Order number	619216 <sup>1)</sup>	619260 <sup>2)</sup>	619261
Carbide saw blade (40 teeth)	■	■	
Carbide saw blade (60 teeth)			■
2 Table length extensions	■	■	■
Length guide	■	■	■
Material clamp	■	■	■
Tool for saw blade change	■	■	■
Cable winder		■	■
Chip collection bags	■	■	■

<sup>1)</sup> also available in 120 V (North/Latin America)  
<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Sliding function for wide work pieces.
- Speed control for extended range of application, e.g. for cutting of aluminium profiles and plastics
- With saw blade "multi cut" (flat/trapezoidal tooth) for high cutting quality and long service life e.g. in laminate and aluminium profiles
- Sliding function for wide work pieces
- Compact light weight, suitable also for one-handed transport
- Robust die-cast aluminium design for the highest demands
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Effective dust extraction via integrated dust scoop
- Fast and precise setting of common angles using stop points
- Laser for exact display of the cutting line (mains powered, no batteries required)
- Adjustable and extendable table width extension, removable to put long panels, slabs etc. underneath
- Bright LED work light for illumination of the cutting line (mains powered, no batteries required)
- Sliding high rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front

System components

Accessories → 449, 456 | Extraction systems → 399



NEW



Technical data	Mitre Saw KGS 254 M With sliding function	Mitre Saw KS 305 M	Mitre Saw KGS 305 M With sliding function
Dimensions	790 x 515 x 515 mm	600 x 600 x 600 mm	850 x 515 x 615 mm
Cutting capacity 90°/90°	305 x 92 mm	200 x 80 mm / 150 x 102 mm	305 x 105 mm
Cutting capacity 45°/45°	205 x 47 mm	130 x 45 mm	205 x 67 mm
Turntable setting left/right	47 °/47 °	52 °/52 °	47 °/47 °
Saw blade tilt left/right	47 °/2 °	47 °/2 °	47 °/2 °
Saw blade	Ø 254 x 30 mm	Ø 305 x 30 mm	Ø 305 x 30 mm
Rated input power (S1 / S6 20%)	1,450 W / 1,800 W	1,600 W / 2,000 W	1,600 W / 2,000 W
No-load speed	4,500 /min	3,700 /min	3,700 /min
Cutting speed	60 m/s	60 m/s	60 m/s
Weight	16.3 kg	17 kg	19.6 kg
Cable length	2 m	2 m	2 m

Scope of delivery

Order number	602540	619003	619305 <sup>2)</sup>
Carbide saw blade (48 teeth)	■		
Carbide saw blade (56 teeth)		■	■
2 Table length extensions	■	■	■
Length guide	■	■	■
Supplementary Stop		■	
Material clamp	■	■	■
Tool for saw blade change	■	■	■
Cable winder	■	■	■
Chip collection bags	■	■	■

<sup>2)</sup> also available in 110 V (UK)

Product advantages

- Sliding function for wide work pieces.
- Depth stop for easy creation of grooves
- Highest precision from direct saw head mount.
- Enormous cutting performance due to extremely powerful universal motor and large saw blade
- Sliding function for wide work pieces
- Compact light weight, suitable also for one-handed transport
- Robust die-cast aluminium design for the highest demands
- Easy transport thanks to ergonomically-designed handles and saw head lock
- Effective dust extraction via integrated dust scoop
- Fast and precise setting of common angles using stop points
- Laser for exact display of the cutting line (mains powered, no batteries required)
- Adjustable and extendable table width extension, removable to put long panels, slabs etc. underneath
- Bright LED work light for illumination of the cutting line (mains powered, no batteries required)
- Sliding high rear fence profiles for safe sawing
- Material clamp for secure fixing of the work piece from the top or front

System components

Accessories → 449, 456

Extraction systems → 399

# UNIQUE COMBINATION OF COMPACT PANEL SAW AND ACCURATE SKIRTING SAW

The new KGSV 72 Xact SYM mitre saw is a mobile all-rounder for floorers: It is the world's only saw to combine the classic functions of a mitre saw with a symmetrically adjustable stop system. Thanks to this patent-pending combination, users can accurately cut panels and also skirtings. The user can transfer angles directly from the bevel thanks to the symmetrically adjustable stop system, without any calculating and measuring, thus sawing mitres in a particularly accurate and time-saving manner. Constructed with integrated traction bars rather rear facing, the saw is also extremely compact and easy to transport. With its fine-toothed saw blade and traction function with bearings on both sides, it delivers precise cutting results in floor panels up to 305 mm, skirtings and aluminium profiles.



**Speed control** for extended range of application, e.g. for cutting of aluminium profiles and plastics



**Superb dust collection** via integrated dust scoop



**Time-saving and accurate sawing of mitres** without calculating and measuring thanks to simple angle transfers from bevel to stop system



Extremely compact thanks to **integrated traction bars**

KGSV 72 Xact SYM



**Compact traction function:** No space required behind the saw thanks to incorporated traction bars.



**Simple transfer of angles:** Transfer corner angles with bevel



**Symmetrical bevel system:** Transfer angle from bevel to stop system

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NEW



NEW



Technical data	Mitre Saw KGSV 72 Xact With sliding function	Mitre Saw KGSV 72 Xact SYM With sliding function
Dimensions	660 x 540 x 415 mm	660 x 540 x 415 mm
Cutting capacity 90°/90°	305 x 72 mm	305 x 72 mm
Cutting capacity 45°/45°	215 x 72 mm	215 x 42 mm
Turntable setting left/right	50° / 50°	50° / 50°
Saw blade tilt left/right	47° / 47°	47° / 47°
Saw blade	216 mm	216 mm
Rated input power (S1 / S6 20%)	1,500 W / 1,800 W	1,500 W / 1,800 W
No-load speed	2,200 - 6,300 /min	2,200 - 6,300 /min
Cutting speed	25 - 70 m/s	25 - 70 m/s
Weight	16.1 kg	18.3 kg
Cable length	3 m	3 m

Scope of delivery	611216	612216
Order number	611216	612216
Carbide saw blade (40 teeth)	■	
Carbide saw blade (60 teeth)		■
2 Table length extensions	■	■
Angle bevel		■
Material clamp	■	■
Tool for saw blade change	■	■
Cable winder	■	■

- Product advantages**
- Unique, patent-pending combination of a panel saw with traction function and an accurate skirting saw with symmetrically adjustable stop system
  - Time-saving and accurate sawing of mitres without calculating and measuring thanks to simple angle transfer from bevel to stop system
  - With saw blade "multi cut" (flat/trapezoidal tooth) for high cutting quality and long service life e.g. in laminate and aluminium profiles
  - Compact traction function for wide workpieces up to 305 mm: no space required behind the saw
  - Maximum flexibility when sawing thanks to rotating table and inclinable saw head on both sides
  - Double line laser for accurate display of the cutting line left and right to the saw blade
  - Speed control for extended range of application, e.g. for cutting of aluminium profiles and plastics
  - Compact light-weight with ergonomically designed carry handles, ideal for mobile use
  - Effective dust extraction via integrated dust scoop
  - Fast and precise setting of common angles using stop points
  - Bright LED work light for illumination of the cutting line (mains powered, no batteries required)
  - High sliding rear fence profiles for safe sawing
  - Depth stop for easy creation of grooves

**System components**

Accessories → 449, 456

Extraction systems → 399



Technical data	Mitre Saw KGS 254 Plus With sliding function	Mitre Saw KGS 254 I Plus With sliding function	Mitre Saw KGS 315 Plus With sliding function
Dimensions	930 x 690 x 590 mm	930 x 690 x 590 mm	950 x 765 x 660 mm
Cutting capacity 90°/90°	305 x 90 mm	305 x 90 mm	320 x 120 mm
Cutting capacity 45°/45°	214 x 54 mm	214 x 54 mm	223 x 76 mm
Turntable setting left/right	47 °/60 °	47 °/60 °	47 °/60 °
Saw blade tilt left/right	46 °/46 °	46 °/22.5 °	46 °/46 °
Saw blade	Ø 254 x 30 mm	Ø 254 x 30 mm	Ø 315 x 30 mm
Rated input power (S6 20%)	2,000 W	1,800 W	2,200 W
No-load speed	3,900 - 5,150 /min	4,650 /min	3,100 - 4,100 /min
Revolutions at rated load	5,150 /min	4,650 /min	4,100 /min
Cutting speed	44 - 68 m/s	62 m/s	51 - 68 m/s
Weight	24 kg	32.5 kg	26 kg
Cable length	2 m	2.2 m	2.1 m

Scope of delivery	0102540300 <sup>2)</sup>	0102540200	0103150000 <sup>2)</sup>
Order number	0102540300 <sup>2)</sup>	0102540200	0103150000 <sup>2)</sup>
Carbide saw blade (60 teeth)	■	■	
Carbide saw blade (84 teeth)			■
2 Table length extensions	■	■	■
Material clamp	■	■	■
Connection piece 630316000	■	■	■

<sup>2)</sup> also available in 110 V (UK)

- Product advantages**
- Speed control for extended range of application, e.g. for cutting of aluminium profiles and plastics
  - Quiet induction motor with motor brake and overload protection - maintenance-free and robust
  - Enormous cutting performance due to extremely powerful universal motor and large saw blade
  - Speed control for extended range of application, e.g. for cutting of aluminium profiles and plastics
  - Sliding function for wide work pieces.
  - Maximum flexibility when sawing thanks to rotating table and inclinable saw head on both sides
  - Easy transport thanks to ergonomically-designed handles and saw head lock
  - Saw head can be inclined on both sides for more productivity, with additional angle range for undercuts
  - Superb dust extraction capability thanks to a dual extraction port design aligned closely to the work piece.
  - Metabo Quick for changing saw blades without tools
  - Soft start for long service life of motor and drive
  - Fast and precise setting of common angles using stop points
  - Sliding high rear fence profiles for safe sawing
  - Material clamp for secure fixing of the work piece from the top or front
  - Integrated, pull-out table width extensions made from die-cast aluminium
  - Depth stop for easy creation of grooves

**System components**

Accessories → 449, 456

Extraction systems → 399

NEW



Technical data	Crosscut and Table Saw KGT 305 M
Dimensions	658 x 600 x 460 mm
Table size	462 x 261 mm
Cutting capacity 90°/90°	150 x 102 mm
Cutting capacity 45°/45°	115 x 45 mm
Cutting height in table mode	0 - 50 mm
Turntable setting left/right	52° / 52°
Saw blade tilt left/right	47° / 2°
Saw blade	305 mm
Rated input power (S1 / S6 20%)	1,600 W / 2,000 W
No-load speed	3,700 /min
Cutting speed	60 m/s
Weight	22.0 kg
Cable length	2 m

Scope of delivery	
Order number	619004
Carbide saw blade (56 teeth)	■
2 Table length extensions	■
Parallel guide / ripping fence	■
Length guide	■
Material clamp	■
Chip collection bags	■
Tool for saw blade change	■
Push stick	■

- Product advantages**
- Cross-cut and mitre saw with additional table circular saw function for straight cuts
  - Quick changeover from crosscut to table operation
  - Compact light-weight saw, ideal for mobile use
  - Easy transport by means of saw head lock
  - Robust die-cast aluminium design for the highest demands
  - Fast and precise setting of common angles using stop points
  - Laser for exact display of the cutting line (mains powered, no batteries required)
  - Adjustable and extendable table width extension, removable to put long panels, slabs etc. underneath
  - Bright LED work light for illumination of the cutting line (mains powered, no batteries required)
  - Sliding high rear fence profiles for safe sawing
  - Material clamp for secure fixing of the work piece from the top or front
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Saw head can be inclined to the left, with additional angle range for undercuts
  - Easy saw blade change by means of spindle lock: No dismantling of the pendulum protective cover required

**System components**

Accessories → 449, 456

Extraction systems → 399

## PULL SAWS: PULLING INSTEAD OF PUSHING.

Anyone who has had to saw long, bulky or hardwood workpieces appreciates a pull saw. According to the principle "pulling instead of pushing", the saw facilitates your work and permits particularly clean cuts. As in the pulling principle the saw blade moves along the precision guide to the workpiece fixed at the fence, the user has better control over the cut, thus resulting in less chipping. At the same time this procedure is gentle on the saw blade which significantly increases the lifetime of the same. Flush-mounted light running slides made of die cast aluminium with 8 ball bearings for clean and particularly precise cross cut and mitre cuts

**Precise workpiece support**  
Table top made from aluminium profiles



**Absolutely flexible**  
Powerful universal motor and speed regulation with Metabo VC electronics

**Sturdy and safe**  
Side parts made of solid steel sheet

**Practical accessories**  
For example, table length extension or sliding carriage – easy to mount



**High-quality universal fence**  
for angle settings from -90° to +90°

**333 mm pulling length**  
All normal laminated floors and panels can be cut in two completely by up to 45°

**Always firm**  
Integrated, folding stand with level compensation for a firm base. The machine can also be operated when folded.

UK 333



**Quick conversion**  
The UK 333 can be converted to a table saw. The universal fence becomes a parallel stop for cutting long workpieces.



**Always mobile**  
The stand can be easily folded in. The UK 333 is very light to transport and fits into any car.



**Versatile cuts**  
The universal fence can be rotated by 180° for mitre and double-mitre cuts. The saw blade can be inclined from -1.5 to 46.5°; ideal for undercutting.

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Technical data	Pull Saw UK 290	Pull Saw UK 290 Set
Dimensions	674 x 478 x 420 mm	1,600 x 1,180 x 420 mm
Working height	878 mm/420 mm	878 mm/420 mm
Table size	674 x 478 mm	674 x 478 mm
Maximum cutting height 90/45°	60 mm/42 mm	60 mm/42 mm
Maximum material width at mitre fence 90/45°	290 mm/202 mm	700 mm/750 mm
Maximum cutting width at parallel guide/rip fence	150 mm	615 mm
No-load speed	4,500 /min	4,500 /min
Saw blade	Ø 220 x 30 mm	Ø 220 x 30 mm
Inclination range	-1.5 - 46.5 °	-1.5 - 46.5 °
Chain length	290 mm	290 mm
Rated input power	1,800 W	1,800 W
Output power	1,200 W	1,200 W
Weight (including stand)	25 kg	52 kg
Cable length	2.25 m	2.25 m

Scope of delivery

Order number	0102900000	0192901000
Saw blade with alternately bevel-ground carbide tips (36 teeth)	■	■
Foldable stand	■	■
Universal guide	■	■
Fence profile 700 mm	■	■
Push stick	■	■
Chip and dust extraction unit 0910064371		■
Table Width Extension		■
Parallel guide / ripping fence		■
Table length extension		■
Sliding table		■

Product advantages

- Expandable for all common applications by virtue of system accessories
- Electronic overload protection for long service life
- Complete set with system accessories for all standard applications
- Sliding table, table width and length extension for precise sawing of large work pieces
- Mobile table saw with sliding function for precise cross-cuts and straight cuts
- Soft start for long service life of motor and drive
- Universal guide can be used on all sides of the table for cross-cuts and straight cuts
- Compact and easy transport by virtue of integrated, foldable stand

System components

Accessories → 449 | Extraction systems → 399



Technical data	Pull Saw UK 333	Pull Saw UK 333 Set
Dimensions	760 x 585 x 420 mm	1,600 x 1,287 x 420 mm
Working height	900 mm/420 mm	900 mm/420 mm
Table size	750 x 585 mm	750 x 585 mm
Maximum cutting height 90/45°	70 mm/49 mm	70 mm/49 mm
Maximum material width at mitre fence 90/45°	330 mm/230 mm	700 mm/750 mm
Maximum cutting width at parallel guide/rip fence	210 mm	685 mm
No-load speed	1,800 - 4,500 /min	1,800 - 4,500 /min
Saw blade	Ø 220 x 30 mm	Ø 220 x 30 mm
Inclination range	-1.5 - 46.5 °	-1.5 - 46.5 °
Chain length	333 mm	333 mm
Rated input power	2,200 W	2,200 W
Output power	1,500 W	1,500 W
Weight (including stand)	35.9 kg	63 kg
Cable length	2.25 m	2.25 m

Scope of delivery

Order number	0103330000	0193330000
Carbide saw blade with alternately bevel-ground tips (36 teeth)	■	■
Foldable stand	■	■
Universal guide	■	■
Fence profile 700 mm	■	■
Push stick	■	■
Chip and dust extraction unit 0910064371		■
Table width extension		■
Parallel guide / ripping fence		■
Table length extension		■
Sliding table		■

Product advantages

- Expandable for all common applications by virtue of system accessories
- Complete set with system accessories for all standard applications
- Sliding table, table width and length extension for precise sawing of large work pieces
- Mobile table saw with sliding function for precise cross-cuts and straight cuts
- Vario-Constamatic (VC)-Full wave electronics for working at customised speeds to suit the application materials, and speeds that remain almost constant even under load
- Soft start for long service life of motor and drive
- Universal guide can be used on all sides of the table for cross-cuts and straight cuts
- Compact and easy transport by virtue of integrated, foldable stand
- Flush-mounted free running slides made of die cast aluminium and with 8 ball bearings for maximum precision
- Automatic resetting to 0 – 45 ° after undercuts

System components

Accessories → 449 | Extraction systems → 399

# TABLE SAWS TS 216 AND TS 254: THE STANDARD FOR MOBILITY.

The table saws with integrated stand are extremely light and can be set up and dismantled in a matter of seconds. The heart of our patent-pending mobility concept is the integrated stand and wheel set which is housed within the frame. Thanks to this design, the TS models are very compact and can be stored easily occupying little space. With the robust hard rubber tyres you can comfortably pull the saw to the area of application. Whether in the workshop or on the construction site: The TS set a mobility standard for table saws.



Effective 2-point extraction  
for low-dust working

Splitting wedge can be lowered without tools  
for hidden cuts and transport

Table width extension/ parallel  
ripping fence  
with double guide for precise  
working



Operational safety  
thanks to table width  
extension, safety switch,  
quick motor brake and  
no-volt release switch



Durable design  
of motor and gear  
thanks to electronic  
overload protection and  
soft start

### Optimised for transport:

All attachments such as mitre fence,  
parallel guide, suction hose and  
second saw blade can be safely stored  
in the housing

### Integrated stand

made from stable die-cast aluminium:  
Unfolded in a matter of seconds, with  
secure positioning

TS 254



**Trolley function for increased mobility**  
and ready for use after transport in a  
matter of seconds



**Large workpieces - no problem**  
Generous 87 mm cutting height and  
630 mm cutting width at the parallel guide  
(TS 254)



**Light and compact**  
The TS 216 can even be carried with  
one hand thanks to its light weight and  
compact design



### Technical data

	Table Saw TS 216 Floor	Table Saw TS 216
Dimensions	670 x 650 x 355 mm	670 x 730 x 355 mm
Max. support surface	780 x 930 mm	780 x 930 mm
Working height	355 mm	850 mm/355 mm
Maximum cutting height 90/45°	63 mm/43 mm	63 mm/43 mm
Maximum cutting width at parallel guide/rip fence	425 mm	425 mm
Maximum material width at mitre fence	165 mm	165 mm
No-load speed	5,000 /min	5,000 /min
Saw blade	Ø 216 x 30 mm	Ø 216 x 30 mm
Saw blade swivel range	-1.5 - 46.5 °	-1.5 - 46.5 °
Rated input power	1,500 W	1,500 W
Output power	900 W	900 W
Weight	23.2 kg	28.5 kg
Cable length	3 m	3 m

### Scope of delivery

Order number	600676	600667
Carbide saw blade with alternately bevel-ground tips (30 teeth)	■	■
Stand	■	■
Hard rubber tyres	■	■
Parallel guide / ripping fence	■	■
Mitre fence	■	■
Table length extension	■	■
Table width extension (left)	■	■
Table width extension (right)	■	■
Chip and dust extraction unit	■	■
Push stick	■	■

### Product advantages

- Light table saw, also suitable for one-handed transport
- Lightest table saw with trolley function, also suitable for one-handed transport
- Integrated stand made from stable die-cast aluminium (patent filed); Unfolded in a matter of seconds, with secure positioning
- Very compact with folded stand for comfortable transport and space-saving storage
- Anti-twist tubular frame construction for highest demands on the building site and during installations
- Cables and all add-on components for transport can be stored on the casing
- Powerful motor with electronic overload protection
- Precise parallel guide with double clamping and quick fastening
- Precise saw blade inclination via gear guide
- Splitting wedge can be lowered without tools for hidden cuts and transport
- Precise, extendable table width extension for extra large working surfaces

### System components

Accessories ▶ 449

Extraction systems ▶ 399



Technical data	Table Saw TS 254
Dimensions	740 x 750 x 355 mm
Max. support surface	970 x 995 mm
Working height	850 mm/355 mm
Cutting height	0 - 87 mm
Maximum cutting height 90/45°	87 mm/50 mm
Maximum cutting width at parallel guide/rip fence	630 mm
Maximum material width at mitre fence	200 mm
No-load speed	4,200 /min
Saw blade	Ø 254 x 30 mm
Saw blade swivel range	-1.5 - 46.5 °
Rated input power	2,000 W
Output power	1,270 W
Weight	33.4 kg
Cable length	3.1 m

Scope of delivery	600668
Carbide saw blade with alternately bevel-ground tips (40 teeth)	■
Stand	■
Hard rubber tyres	■
Parallel guide / ripping fence	■
Mitre fence	■
Table length extension	■
Table width extension (right)	■
Saw blade case	■
Chip and dust extraction unit	■
Push stick	■

- Product advantages**
- Extremely light table saw with trolley function for more mobility on the construction site
  - Integrated stand made from stable die-cast aluminium (patent filed); Unfolded in a matter of seconds, with secure positioning
  - Very compact with folded stand for comfortable transport and space-saving storage
  - Anti-twist tubular frame construction for highest demands on the building site and during installations
  - Cables and all add-on components for transport can be stored on the casing
  - Powerful motor with electronic overload protection
  - Precise parallel guide with double clamping and quick fastening
  - Precise saw blade inclination via gear guide
  - Splitting wedge can be lowered without tools for hidden cuts and transport
  - Precise, extendable table width extension for extra large working surfaces

**System components**

Accessories → 449

Extraction systems → 399

## TABLE SAWS: POWERFUL AND ROBUST.

Universal table saws for powerful sawing of squared timber, boards, panels and wood-like materials in the workshop and at construction sites. With our circular saws we offer you stable and reliable machines. Every detail is carefully planned, starting with the infinitely adjustable height of the saw blade to the magnetic guide for precise cuts.

**Professionally assembled**  
Always ready for use in cutting squared timber, boards and large panels



**Powerful 2.0 kW-Motor**  
Reliable induction motor for universal application

**Stable stand**  
Cross braces offer additional stability



**Standard push stick**  
Always stored on the machine - for your safety

**Wheel set with handles**  
Easy moving of the machine by a single person

**Height adjustment up to max. 85 mm**  
The smooth crank handle enables the height adjustment of the saw blade of 0 – 85mm

TKHS 315 C



**Always mobile**  
Standard chassis with two handles for mobile use.



**High capacity**  
The well thought construction permits a max. cutting height of up to 85mm and 60mm at 45° angle of the saw blade.



**Versatile sawing**  
The newly developed universal fence may be used as a parallel or mitre fence (from - 60° to +60°). Precise cuts thanks to the magnetic guide.

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Technical data

**Table Saw  
TKHS 315 C – 2.0 WNB**

**Table Saw  
TKHS 315 C – 2.8 DNB**

Dimensions	1,650 x 650 x 1,000 mm	1,650 x 650 x 1,000 mm
Max. support surface	800 x 550 mm	800 x 550 mm
Working height	850 mm	850 mm
Maximum cutting height 90/45°	85 mm/60 mm	85 mm/60 mm
Maximum cutting width at parallel guide/rip fence	290 mm	290 mm
Maximum material width at mitre fence	220 mm	220 mm
No-load speed	2,980 /min	2,990 /min
Saw blade	Ø 315 x 30 mm	Ø 315 x 30 mm
Saw blade swivel range	0 - 45 °	0 - 45 °
Rated input power	2,000 W	2,800 W
Output power	1,450 W	2,300 W
Weight	62 kg	64 kg

Scope of delivery

Order number	0103152000	0103152100
Carbide saw blade with alternately bevel-ground tips (24 teeth)	■	■
Wheel set incl. handles	■	■
Universal guide	■	■
Table extension (550 x 800 mm)	■	■
Chip and Dust Extraction Unit	■	■
Push stick	■	■

Product advantages

- High torque three-phase motor

- Universal table saw with basic equipment
- Ideal for sawing squared timber, boards, panels and wood-like materials in the workshop and at construction sites
- Quiet induction motor with motor brake and overload protection - maintenance-free and robust
- Restart protection: prevents unintentional start-up after power supply interruption
- Universal guide with magnetic guide for precise straight cuts and mitre cuts
- Maintenance-free adjustment of the saw blade guard
- Comfortable setting of the saw blade inclination from the front
- Sturdy, powder-coated sheet steel design and galvanised table-top
- Foldable table length extension
- Frame and motor pre-mounted

System components

Accessories → 449 | Extraction systems → 399



Technical data

**Table Saw  
TKHS 315 M - 3.1 WNB**

**Table Saw  
TKHS 315 M - 4.2 DNB**

Dimensions	1,700 x 700 x 1,000 mm	1,700 x 700 x 1,000 mm
Max. support surface	800 x 600 mm	800 x 600 mm
Working height	850 mm	850 mm
Maximum cutting height 90/45°	85 mm/53 mm	85 mm/53 mm
Maximum cutting width at parallel guide/rip fence	340 mm	340 mm
Maximum material width at mitre fence	250 mm	250 mm
No-load speed	2,990 /min	2,990 /min
Saw blade	Ø 315 x 30 mm	Ø 315 x 30 mm
Saw blade swivel range	0 - 45 °	0 - 45 °
Rated input power	3,100 W	4,200 W
Output power	2,200 W	3,000 W
Weight	75 kg	77 kg

Scope of delivery

Order number	0103153100	0103153300
Carbide saw blade with alternately bevel-ground tips (24 teeth)	■	■
Wheel set incl. handles	■	■
Parallel guide / ripping fence	■	■
Mitre fence	■	■
Table extension (600 x 800 mm)	■	■
Chip and dust extraction unit	■	■
Push stick	■	■

Product advantages

- High torque three-phase motor

- Precise, powerful table saw in professional configuration – quick to adapt for every application
- Ideal for sawing squared timber, boards, panels and wood-like materials in the workshop and at construction sites
- Quiet induction motor with motor brake and overload protection - maintenance-free and robust
- Restart protection: prevents unintentional start-up after power supply interruption
- Mitre fence with linear stop, can also be used a sliding table
- Sturdy parallel guide/ripping fence with quick fastening
- Maintenance-free adjustment of the saw blade guard
- Comfortable setting of the saw blade inclination from the front
- Sturdy, powder-coated sheet steel design and galvanised table-top
- Foldable table length extension
- Frame and motor pre-mounted

System components

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# SITE SAWS: FOR VERY DEMANDING APPLICATIONS ON THE CONSTRUCTION SITE.

If you do not want to leave anything to chance on the construction site, Metabo's site saws are the ideal choice. The robust machines are universal talents for demanding applications on the construction site. They cut squared timber, control panels, OSB panels and beams. The stable construction with folding saw table and protective cover meet the European Safety Standard EN 1870-1 and can live up to the highest demands in every day jobs on a construction site.

**Long saw table**  
Foldable saw table made of galvanised sheet steel

**Safety equipment**  
The protective cover as well as the complete machine meet the requirements of the European Safety Standard EN 1870-1

**Powerful 5.5 kW motor with overload protection** ensures sufficient power reserves for demanding jobs

**User friendly** thanks to patented single lever height adjustment of the saw blade

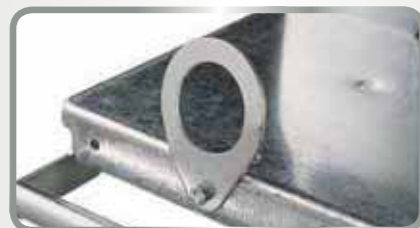
**Always firm**  
The sturdy frame is powder-coated, the lateral beams ensure ideal resistance to torsion

**Safe operation** thanks to switch with integrated emergency-off switch and phase inverter in the plug

**BKH 450 Plus**



**Well protected**  
The protective cover automatically opens only at the height of the work piece and closes again automatically.



**Practical**  
Crane hook for easy transport on the construction site



**Extremely stable**  
Very high torsional resistance due to lateral cross braces



**Technical data**

	Site Saw BKS 400 Plus - 3.1 WNB	Site Saw BKS 400 Plus - 4.2 DNB
Dimensions	1,830 x 750 x 1,020 mm	1,830 x 750 x 1,020 mm
Table size	1,030 x 660 mm	1,030 x 660 mm
Maximum cutting width with parallel guide/rip fence	300 mm	300 mm
Maximum cutting width with supplementary table	1,300 mm	1,300 mm
Maximum material width with mitre fence	260 mm	260 mm
Cutting height	127 mm	127 mm
Revolutions at rated load	2,800 /min	2,750 /min
Saw blade	Ø 400 x 30 mm	Ø 400 x 30 mm
Rated input power	3,100 W (S6 40%)	4,200 W (S6 40%)
Output power	2,350 W (S6 40%)	3,250 W (S6 40%)
Weight	88 kg	88 kg

**Scope of delivery**

Order number	0104003000 (mounted)	0104004000 (mounted)
Carbide saw blade (28 teeth)	■	■
Parallel guide / ripping fence	■	■
Mitre fence with wedge type charge	■	■
Table length extension	■	■
Crane hook	■	■
Phase inverter	■	■
Push stick	■	■

**Product advantages**

- High torque three-phase motor
- Robust machine with large cutting height for universal use on the construction site
- Easy to use protective cover for safe working
- High user protection thanks to splash-proofed switch and motor
- Corrosion protection thanks to saw table made of galvanised sheet steel
- Robust parallel guide/ripping fence with quick eccentric clamp
- Push stick ready to use on parallel guide for increased safety
- Retractable mitre fence with wedge type charge
- More safety and durability thanks to motor brake and overload protection
- Restart protection: prevents unintentional start-up after power supply interruption
- Table length extension for long work pieces, foldable

**System components**

Accessories ▶ 449

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Technical data

Site Saw  
BKS 450 Plus - 5.5 DNB

Site Saw  
BKH 450 Plus - 5.5 DNB

Dimensions	1,830 x 750 x 1,020 mm	1,830 x 750 x 1,020 mm
Table size	1,030 x 660 mm	1,030 x 660 mm
Maximum cutting width with parallel guide/rip fence	300 mm	300 mm
Maximum cutting width with supplementary table	1,300 mm	1,300 mm
Maximum material width with mitre fence	260 mm	260 mm
Cutting height	141 mm	20 - 140 mm
Revolutions at rated load	2,735 /min	2,750 /min
Saw blade	Ø 450 x 30 mm	Ø 450 x 30 mm
Rated input power	5,500 W (S6 40%)	5,500 W (S6 40 %)
Output power	3,200 W (S1 100%)	3,200 W (S1 100 %)
Weight	90 kg	102 kg

Scope of delivery

Order number	0104605000 (mounted)	0104705000 (mounted)
Carbide saw blade (32 teeth)	■	■
Parallel guide / ripping fence	■	■
Mitre fence with wedge type charge	■	■
Table length extension	■	■
Crane hook	■	■
Phase inverter	■	■
Push stick	■	■

Product advantages

- Patented single-lever height adjustment for quick adjustment of the cutting height to the work piece
- Robust machine with large cutting height for universal use on the construction site
- Easy to use protective cover for safe working
- High user protection thanks to splash-proofed switch and motor
- Corrosion protection thanks to saw table made of galvanised sheet steel
- Robust parallel guide/ripping fence with quick eccentric clamp
- Push stick ready to use on parallel guide for increased safety
- Retractable mitre fence with wedge type charge
- Designed for continuous operation with S1 motor operating mode
- More safety and durability thanks to motor brake and overload protection
- Restart protection: prevents unintentional start-up after power supply interruption
- Table length extension for long work pieces, foldable
- High torque three-phase motor

System components

Accessories → 449

Circular Saw Blades, "Power Cut"

Circular saw blades for semi-stationary/stationary circular saws



Carbide circular saw blades

- For coarse and semi-fine cuts with continuous feed. Ideal for high feed rate / low power consumption machines
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible
- Secondary holder for circular saw blades with Ø 216, 250, 254 and over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade body mm	Rake angle	Suitable for	Order number
210 x 1.8 x 30	HW/CT	24	WZ	1.4	5°	KS 210 / KGS 255	628008000*
216 x 2.4 x 30	HW/CT	20	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGSV 216 M / KGS 216 Plus / KGSV 72 Xact / KGSV 72 Xact SYM	628230000*
216 x 2.4 x 30	HW/CT	24	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGSV 216 M / KGS 216 Plus / KGSV 72 Xact / KGSV 72 Xact SYM	628009000*
250 x 2.8 x 30	HW/CT	24	WZ	2	25°	PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310 / PK 250	628012000*
250 x 2.8 x 30	HW/CT	24	WZ	2	3° neg.	KS 250 / KGS 301 / KGS 303 / KGS 331	628013000*
254 x 2.4 x 30	HW/CT	24	WZ	1.6	20°	TS 254 / TK 250	628025000*
254 x 2.4 x 30	HW/CT	24	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	628220000*
300 x 2.8 x 30	HW/CT	28	WZ	1.8	15°	PK 300 / PKV 300 G to 1996	628014000
315 x 2.8 x 30	HW/CT	20	FZ	1.8	22°	TKHS 315 / KGT 300	628015000
315 x 3 x 30	HW/CT	24	WZ	2	20°	TKHS 315	628016000
350 x 2.8 x 30	HW/CT	22	FZ	1.8	22°	TK 350 to 1983	628017000
400 x 3.5 x 30	HW/CT	28	FZ/FA	2.5	10°	BKS 400 Plus	628018000
400 x 3.5 x 30	HW/CT	60	WZ	2.5	15°	BKS 400 Plus	628019000
450 x 3.5 x 30	HW/CT	32	FZ/FA	2.5	10°	BKS 450 Plus / BKH 450 Plus	628020000
450 x 3.8 x 30	HW/CT	66	WZ	2.8	15°	BKS 450 Plus / BKH 450 Plus	628021000
500 x 3.8 x 30	HW/CT	22	WZ	2.8		BW 500 until 1998	628022000
600 x 3.8 x 30	HW/CT	36	WZ	2.8		BW 600	628023000
700 x 4.2 x 30	HW/CT	42	WZ	3.2		BW 750 / BW 700 to 1993	628024000



Chrome-vanadium circular saw blades

- For coarse and semi-fine cuts with continuous feed. Ideal for high feed rate / low power consumption machines
- Good cutting results for straight cuts in solid wood
- Partially suitable for construction wood with nails and concrete residue
- On coated wood or other composites, only coarse cut quality is possible

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade body mm	Rake angle	Suitable for	Order number
315 x 1.8 x 30	CV	56	KV	1.8		TKHS 315	628100000
315 x 1.8 x 30	CV	80	NV	1.8		TKHS 315	628101000
350 x 1.8 x 30	CV	56	NV	1.8		TK 350 to 1983	628102000
400 x 2 x 30	CV	56	KV	2		BKS 400 Plus	628105000
500 x 2.5 x 30	CV	56	KV	2.5		BW 500 until 1998	628108000
600 x 2.8 x 30	CV	56	KV	2.8		BW 600	628109000
700 x 2.8 x 30	CV	56	KV	2.8		BW 750 / BW 700 to 1993	628110000
450 x 2.2 x 30	CV	56	WZ	2.2		BKS 450 Plus / BKH 450 Plus	628094000

\*Self-service packaging

### Circular Saw Blades, "Precision Cut"

#### Circular saw blades for semi-stationary/stationary circular saws



- Very wide range of uses in woodwork
- For very good, clean cut results for longitudinal or cross-cuts in softwood and hardwood
- Well suited for hard wood and plywood, untreated chipboards, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor
- Secondary holder for circular saw blades with Ø 216, 250, 254 and over 300 mm

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade body mm	Rake angle	Suitable for	Order number
210 x 2.4 x 30	HW/CT	30	WZ	1.6	22°	PK 200 / UK 220	628036000*
210 x 2.4 x 30	HW/CT	40	WZ	1.8	3°	KS 210 / KGS 255 / PK 200 / UK 220	628037000*
210 x 2.8 x 30	HW/CT	42	FZ/TZ	1.8	1° neg.	KS 210 / KGS 255 / PK 200 / UK 220	628038000*
210 x 2.4 x 30	HW/CT	42	WZ	1.6	22°	PK 200 / UK 220	628039000*
216 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus / KGSV 72 Xact / KGSV 72 Xact SYM / KGSV 216 M	628041000*
220 x 2.4 x 30	HW/CT	36	WZ	1.6	10°	UK 290 / UK 333 / Secanta	628042000*
220 x 2.6 x 30	HW/CT	48	DZ/HZ	1.6	10°	UK 290 / UK 333 / Secanta	628043000*
250 x 2.8 x 30	HW/CT	34	WZ	1.8	15°	KGT 500 / KGT 501 / KGT 550 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310	628045000*
250 x 2.8 x 30	HW/CT	42	WZ	1.8	15°	KGT 500 / KGT 501 / KGT 550 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310 / PK 250	628046000*
250 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 250 / KGS 301 / KGS 303 / KGS 331	628047000*
250 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 250 / KGS 301 / KGS 303 / KGS 331	628048000*
250 x 2.8 x 30	HW/CT	60	WZ	1.8	15°	TS 250 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310 / PK 250	628049000*
254 x 2.4 x 30	HW/CT	40	WZ	1.6	20°	TS 254 / TK 250	628059000*
254 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	628221000*
254 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	628222000*
300 x 2.8 x 30	HW/CT	48	WZ	1.8	15°	PK 300 / PKV 300 G to 1996	628051000
300 x 2.8 x 30	HW/CT	72	WZ	1.8	10°	PK 300 / PKV 300 G to 1996	628053000
305 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KS 305 Plus / KGS 305 / KS 305 M / KGT 305 M / KGS 305 M	628227000*
305 x 2.4 x 30	HW/CT	60	WZ	1.8	5° neg.	KS 305 Plus / KGS 305 / KS 305 M / KGT 305 M / KGS 305 M	628228000*
305 x 2.4 x 30	HW/CT	84	WZ	1.8	5° neg.	KS 305 Plus / KGS 305 / KS 305 M / KGT 305 M / KGS 305 M	628229000*
305 x 2.4 x 30	HW/CT	60	WZ	1.8	1.5°	KGS 305	628054000
305 x 2.4 x 30	HW/CT	80	WZ	1.8	5°	KGS 305	628055000
315 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KGS 315 Plus / KGS 305	628224000*
315 x 2.4 x 30	HW/CT	84	WZ	1.8	5° neg.	KGS 315 Plus / KGS 305	628225000*
315 x 2.8 x 30	HW/CT	48	WZ	1.8	15°	TKHS 315	628056000
315 x 2.8 x 30	HW/CT	48	WZ	1.8	0°	KGS 305 / KGT 300 / TKHS 315	628057000
315 x 2.8 x 30	HW/CT	84	WZ	1.8	10°	KGS 305 / KGT 300 / TKHS 315	628058000

#### Circular saw blades »Classic« for semi-stationary/stationary circular saws



- Very wide range of uses in woodwork
- For good, clean cutting results for ripping or cross cutting in softwood and hardwood
- Suitable for hard wood and plywood, untreated chipboards, coated or veneered, MDF, composite materials
- High power consumption so the saw must have a high performance motor

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade body mm	Rake angle	Suitable for	Order number
216 x 2.4 x 30	HW/CT	40	WZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGSV 216 M / KGSV 72 Xact / KGSV 72 Xact SYM	628060000*
216 x 1.8 x 30	HW/CT	40	WZ	1.2	5°	KS 18 LTX 216 / KGS 18 LTX 216	628065000*
216 x 2.4 x 30	HW/CT	30	WZ	1.6	22°	TS 216 / TS 216 Floor	628062000*
254 x 2.4 x 30	HW/CT	48	WZ	1.8	5° neg.	KGS 254 M	628061000*
305 x 2.4 x 30	HW/CT	56	WZ	1.6	5° neg.	KGS 305 M / KS 305 M / KGT 305 M	628064000*

### Circular Saw Blades, "Multi Cut"

#### Circular saw blades for semi-stationary/stationary circular saws



- Universal use for demanding materials
- For the highest standards in cutting quality, e.g. for laminate, thin-walled plastic, aluminium, copper and bronze materials
- Ideally suited for many interior work applications
- Perfect cutting results, also for cross-cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance
- Secondary holder for circular saw blades with Ø 216, 250, 254 and over 300 mm (except 628063000)

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade body mm	Rake angle	Suitable for	Order number
210 x 2.6 x 30	HW/CT	54	FZ/TZ	1.8	5° neg.	KS 210 / KGS 255 / Ks E 1678 S-Signal	628078000*
210 x 2.8 x 30	HW/CT	60	WZ	2	5° neg.	KS 210 / KGS 255 / Ks E 1678 S-Signal	628079000*
210 x 2.4 x 30	HW/CT	64	WZ	1.6	10°	PK 200 / UK 220	628081000*
210 x 2.4 x 30	HW/CT	64	FZ/TZ	1.6	5° neg.	KS 210 / KGS 255	628082000*
216 x 2.4 x 30	HW/CT	60	FZ/TZ	1.8	5° neg.	KS 216 M Lasercut / KGS 216 M / KGS 216 Plus / KGSV 72 Xact / KGSV 72 Xact SYM	628083000*
216 x 2.4 x 30	HW/CT	64	FZ/TZ	1.6	10°	TS 216 / TS 216 Floor	628063000*
220 x 2.6 x 30	HW/CT	80	FZ/TZ	1.6	10°	UK 290 / UK 333 / Secanta	628084000*
250 x 2.8 x 30	HW/CT	80	WZ	1.8	10°	KGT 500 / KGT 501 / KGT 550 / TS 250 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310	628087000*
250 x 2.8 x 30	HW/CT	80	FZ/TZ	2	5° neg.	KGS 301 / KGS 303 / KGS 331 / KGT 500 / KGT 501 / KGT 550 / TS 250 / PKU 250 / PK 255 / PKF 255 / PKF 255 V8 / Multi 260 / Multi 310	628088000*
254 x 2.4 x 30	HW/CT	80	FZ/TZ	1.6	5°	TS 254 / TK 250	628093000*
254 x 2.4 x 30	HW/CT	80	FZ/TZ	1.8	5° neg.	KS 254 Plus / KGS 254 M / KGS 254 Plus / KGS 254 I Plus	628223000*
300 x 2.8 x 30	HW/CT	96	FZ/TZ	2.2	6° neg.	PK 300 / PKV 300 G to 1996	628090000
305 x 2.8 x 30	HW/CT	96	FZ/TZ	2	5° neg.	KGS 305 / KS 305 Plus / KS 305 M / KGT 305 M / KGS 305 M	628091000
315 x 2.4 x 30	HW/CT	96	FZ/TZ	1.8	5° neg.	KGS 315 Plus / KGS 305	628226000*
315 x 2.8 x 30	HW/CT	96	FZ/TZ	2	5° neg.	KGS 305	628092000

\*Self-service packaging

Circular saw blades »Classic« for semi-stationary/stationary circular saws



- Universal use for demanding materials
- For high standards in cutting quality, e.g. for laminate, thin-walled plastic, aluminium, copper and brass materials
- Ideally suited for many interior work applications
- Good cutting results, also for cross-cuts in solid wood, coarse, coated or veneered chipboards, MDF
- The circular saw must have a very high performance power
- Relatively slow saw advance

Diameter x Cutting width x Bore mm	Material	Number of teeth	Tooth shape	Steel blade body mm	Rake angle	Suitable for	Order number
216 x 2.4 x 30	HW/CT	60	FZ/TZ	1.8	5° neg.	KGSV 216 M / KGSV 72 Xact / KGSV 72 Xact SYM / KS 216 M Lasercut / KGS 216 M	628066000*

Reducing Rings for Circular Saw Blades








	Order number
<b>Reducing bush Ø 20 x 1.2 x 16 mm</b> ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm	623545000
<b>Reducing bush Ø 30 x 1.2 x 16 mm</b> ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm	623546000
<b>Reducing bush Ø 30 x 1.2 x 20 mm</b> ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm	623547000
<b>Reducing bush Ø 30 x 1.2 x 25 mm</b> ■ For circular saw blades with a steel blade thickness of 1.25 mm - max. 1.6 mm	623548000
<b>Reducing bush Ø 30 x 1.6 x 16 mm</b> ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm	623549000
<b>Reducing bush Ø 30 x 1.6 x 20 mm</b> ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm	623550000*
<b>Reducing bush Ø 30 x 1.6 x 25 mm</b> ■ For circular saw blades with a steel blade thickness of 1.65 mm - max. 2.2 mm	623551000*


\*Self-service packaging

Attachments and Special Accessories


Accessories for Flexo 500

	Order number
 <p><b>Wheel set</b> ■ For easy transportation suitable for: UK 290, UK 333, Flexo 500</p>	0910064363
 <p><b>Sliding table UK / Flexo</b> ■ Large and wide work pieces can be easily guided through the saw blade ■ Clean and precise cutting results ■ Easy to mount and remove ■ Safe working conditions suitable for: UK 290, UK 333, Flexo 500 Table size: 310 x 200 mm Overall length: 1,225 mm Support weight: 7.7 kg</p>	0910064347
 <p><b>Table length extension UK / Flexo</b> ■ Practical cutting lengths for longer work pieces ■ Safe working conditions suitable for: UK 290, UK 333, Flexo 500 Length: 380 mm Width: 476 mm</p>	0910064312
 <p><b>Table width extension UK / Flexo</b> ■ Increases the supporting surface; ideal for large boards ■ Enables cuts with parallel guide of up to 610 mm ■ Height adjustable For UK 333, UK 290, Flexo 500 Length: 674 mm Width: 501 mm</p>	0910064401
 <p><b>Parallel guide/ripping fence UK / Flexo</b> ■ For long cuts or for cutting large boards ■ Long attachment profile for guiding the work piece safely suitable for: UK 290, UK 333, Flexo 500</p>	0910063707

Machine stand

	Order number
 <p><b>Machine stand UMS</b> ■ For ideal working height and stability ■ Can be folded up compactly ■ Compensation in height with adjustable stand ■ Ready mounted Height of work bench: 83 cm Weight: 12 kg Maximum weight load: 250 kg Support surface 57 x 60 cm suitable for: KS 216 M Lasercut, KGS 216 M, KGSV 216 M, KGS 254 M, KGS 216 Plus, KGS 254 Plus / KGS 254 I Plus, KGS 315 Plus, KGSV 72 Xact, KGSV 72 Xact SYM, KS 254 Plus, KS 305 M, KS 305 Plus, KGT 300, KGT 305 M, BAS 260 Swift, BAS 261 Precision, DH 330</p>	631317000

Wheel sets

	Order number
 <p><b>Wheel set</b> ■ For easy transportation suitable for: UK 290, UK 333, Flexo 500</p>	0910064363

Sliding table

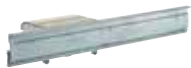

	Order number
 <p><b>Sliding table UK / Flexo</b></p> <ul style="list-style-type: none"> <li>Large and wide work pieces can be easily guided through the saw blade</li> <li>Clean and precise cutting results</li> <li>Easy to mount and remove</li> <li>Safe working conditions</li> </ul> <p>suitable for: UK 290, UK 333, Flexo 500 Table size: 310 x 200 mm Overall length: 1,225 mm Support weight: 7.7 kg</p>	0910064347
 <p><b>TKHS sliding table</b></p> <ul style="list-style-type: none"> <li>Enables exact cuts, even on larger workpieces</li> <li>Precise sliding table on 6 ball bearings</li> <li>Complete with fence guide, swivels 90-45°</li> </ul> <p>Suitable for: TKHS 315, TKHS 315 C, TKHS 315 M Maximum cutting width 90°/45°: 640 mm/930 mm Overall length: 1,270 mm Support weight: 24 kg</p>	0910058967

Table length extensions




	Order number
 <p><b>Table length extension UK / Flexo</b></p> <ul style="list-style-type: none"> <li>Practical cutting lengths for longer work pieces</li> <li>Safe working conditions</li> </ul> <p>suitable for: UK 290, UK 333, Flexo 500 Length: 380 mm Width: 476 mm</p>	0910064312


Table width extensions

	Order number
 <p><b>Table width extension UK / Flexo</b></p> <ul style="list-style-type: none"> <li>Increases the supporting surface; ideal for large boards</li> <li>Enables cuts with parallel guide of up to 610 mm</li> <li>Height adjustable</li> </ul> <p>For UK 333, UK 290, Flexo 500 Length: 674 mm Width: 501 mm</p>	0910064401


Supplementary tables

	Order number
 <p><b>Supplementary table M/TKHS/BKS/BKH</b></p> <ul style="list-style-type: none"> <li>For increasing the supporting surface; ideal for cutting boards</li> <li>With quick-action clamping elements, scale and foldable support legs</li> <li>Enables cuts on length guide up to 1,240 mm in width</li> <li>Height adjustable</li> </ul> <p>Can be mounted at the side suitable for: TKHS 315 M, BKS 400 Plus, BKS 450 Plus, BKH 450 Plus Length: 1,000 mm Width: 660 mm</p>	0910014030


Parallel guides / ripping fences

	Order number
 <p><b>Parallel guide/ripping fence UK / Flexo</b></p> <ul style="list-style-type: none"> <li>For long cuts or for cutting large boards</li> <li>Long attachment profile for guiding the work piece safely</li> </ul> <p>suitable for: UK 290, UK 333, Flexo 500</p>	0910063707


Chip and Dust extraction units

	Order number
 <p><b>Chip and dust extraction unit UK / Flexo</b></p> <ul style="list-style-type: none"> <li>Extraction at two points: at chip box and at the top on the guard</li> <li>Clear view of the work piece</li> <li>Clean working environment</li> </ul> <p>Extraction nozzle Ø: 100 mm suitable for: UK 290, UK 333, Flexo 500</p>	0910064371

Chip extraction adapter nozzle

	Order number
 <p><b>Chip extraction adapter nozzle BKS</b></p> <ul style="list-style-type: none"> <li>For connecting the site circular saws to a chip and dust extraction unit</li> </ul> <p>Extraction nozzle Ø: 100 mm Suitable for: BKS 400, BKS 400 Plus, BKS 450, BKS 450 Plus</p>	0910008749

Spray for maintenance and care

	Order number
 <p><b>Spray for maintenance and care</b></p> <ul style="list-style-type: none"> <li>Ideal for maintenance and care of wood processing machines</li> <li>Contains silicone, prevents saw dust from sticking, e.g. to threaded rods or sliding bearings</li> <li>Increases the sliding quality of the workpieces on the machine table</li> <li>High cleaning capacity</li> </ul>	0911018691*

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# MITRE SAW STANDS: OPTIMISED FOR THE CONSTRUCTION SITE AND WORKSHOP.

All Metabo mitre saws, as well as all standard models of renowned manufacturers, can be mounted on the new light and robust KSU 401, and KSU 251 stands, quickly and without tools. Thanks to the trolley function, which Metabo designed for construction sites and staircases, the large handles and the possibility to fold the legs with one hand only, has optimised the stands for transport. Even with the saw mounted, the stands can be folded with just a few hand movements and can be comfortably pulled to and from the workplace. They are extremely robust and stable and are suitable both for use on construction sites as well as in the workshop.

**Robust and light design** with max. weight load in central part of 250 kg

**Extendable workpiece supports** up to 400 cm with rollers and folding guide for precise cutting in series



**Quickly ready to use** thanks to lockable folding legs and adjustment option for safe positioning

**Universal machine carrier** - makes it suitable for all the conventional mitre saws of well-known manufacturers

KSU 401



**KSU 251:** Compact design for easy transport



**Trolley function** for comfortable transport even with the saw mounted



**Folding function by actuating lever** for quick, single-handed folding and unfolding

## Special accessories for mitre saws

**NEW**



### KSU 251 Stand for Mitre Saw

- Light and robust stand for mitre saw with trolley function for mobile use also with the saw mounted
  - Quickly ready to use thanks to lockable folding legs and adjustment option for safe positioning
  - Extendable workpiece supports with rollers and folding guide for precise cutting in series
  - Machine carrier (installation without tools) makes it suitable for all the conventional mitre saws of well-known manufacturers
  - Including 1 pair of machine carriers (629008000)
- Overall length: 127 cm - 250 cm  
Maximum weight load in central part: 250 kg  
Height of workpiece supports: 92 cm - 99 cm  
Weight: 23 kg

Order number

629005000

**NEW**



### KSU 401 Stand for Mitre Saw

- Light and robust stand for mitre saw with trolley function for mobile use also with the saw mounted
  - Quickly ready to use thanks to lockable folding legs and adjustment option for safe positioning
  - Extendable workpiece supports with rollers and folding guide for precise cutting in series
  - Machine carrier (installation without tools) makes it suitable for all the conventional mitre saws of well-known manufacturers
  - Including 1 pair of machine carriers (629008000)
- Overall length: 168 cm - 400 cm  
Maximum weight load in central part: 250 kg  
Height of workpiece supports: 92 cm - 99 cm  
Weight: 25 kg

629006000



### Machine stand UMS

- For ideal working height and stability
  - Can be folded up compactly
  - Compensation in height with adjustable stand
  - Ready mounted
- Height of work bench: 83 cm  
Weight: 12 kg  
Maximum weight load: 250 kg  
Support surface 57 x 60 cm  
suitable for: KS 216 M Lasercut, KGS 216 M, KGSV 216 M, KGS 254 M, KGS 216 Plus, KGS 254 Plus / KGS 254 I Plus, KGS 315 Plus, KGSV 72 Xact, KGSV 72 Xact SYM, KS 254 Plus, KS 305 M, KS 305 Plus, KGT 300, KGT 305 M, BAS 260 Swift, BAS 261 Precision, DH 330

631317000



### Working light

- For optimum illumination of the working area
- Can be swivelled or angled to suit
- Includes fixture screw, Allen key and mounting instructions

0910065173\*



### Table insert

- For clean, splinter-free processing
  - 3 Closed plastic table inserts included in the scope of delivery
- Suitable for: KS 254 Plus, KS 305 Plus

0910065165\*

\*Self-service packaging

NEW



Technical data	Band Saw BAS 261 Precision
Dimensions	530 x 470 x 840 mm
Support surface	328 x 335 mm
Working height without stand	375 mm
Sawing bench swivel range	0 - 45 °
Cutting height	103 mm
Passage width	245 mm
Cutting speed	735 m/min
Saw belt length	1,712 mm
Rated input power	400 W
Output power	270 W
Weight	32.5 kg

Scope of delivery

Order number	619008
A6 Universal band saw blade	■
Parallel guide / ripping fence	■
Mitre fence	■
Suction adapter (for Ø 44, 58, 100 mm)	■
Push stick	■

Product advantages

- High precision and stability for highest cutting quality
- Quiet running drive belt thanks to balanced flywheels with rubber coating
- Top and bottom HSS precision three-roller guide of the band saw blade for accurate cutting results, adjustable without tools
- Precise parallel guide with double clamping and quick fastening
- Quiet induction motor, maintenance-free and robust.
- Restart protection: prevents unintentional start-up after power supply interruption
- Swivelling grey cast iron saw table for inclined cuts
- Door opening without tools for easy saw blade change
- Tool-less height adjustment of the saw blade guard
- LED work light for illumination of the cutting line
- External extraction possible for low-dust working

System components

Accessories → 461 | Extraction systems → 399

NEW



Technical data	Band Saw BAS 318 Precision WNB	Band Saw BAS 318 Precision DNB
Dimensions	665 x 980 x 1,600 mm	665 x 980 x 1,600 mm
Support surface	560 x 400 mm	560 x 400 mm
Working height with stand	1,000 mm	1,000 mm
Sawing bench swivel range	0 - 45 °	0 - 45 °
Cutting height	170 mm	170 mm
Passage width	307 mm	307 mm
Cutting speed	410 / 880 m/min	410 / 880 m/min
Saw belt length	2,240 mm	2,240 mm
Rated input power	900 W	900 W
Output power	660 W	636 W
Weight	79 kg	79 kg

Scope of delivery

Order number	619009	619010
A6 Universal band saw blade	■	■
Stand	■	■
Parallel guide / ripping fence	■	■
Mitre fence	■	■
Suction adapter (for Ø 44, 58, 100 mm)	■	■
Dust collection container	■	■
Push stick	■	■

Product advantages

- High precision and stability for highest cutting quality
- Quiet running drive belt thanks to balanced flywheels with rubber coating
- Top and bottom HSS precision three-roller guide of the band saw blade for accurate cutting results, adjustable without tools
- Two cutting speeds for various applications and materials
- Precise parallel guide with double clamping and quick fastening
- Quiet induction motor, maintenance-free and robust.
- Restart protection: prevents unintentional start-up after power supply interruption
- Easy inclination adjustment of the grey cast iron saw table for precise incline cuts thanks to toothed ring guide
- Quick-action clamping lever and door opening without tools for easy saw blade change
- Blade clamp indicator with scale for easy control of the blade tension
- Tool-less height adjustment of the saw blade guard
- LED work light for illumination of the cutting line
- External extraction possible for low-dust working
- Drawer for simple disposal of collected sawdust
- Extendable table width extension for processing large workpieces
- Stand with wheels for comfortable change of position

System components

Accessories → 461 | Extraction systems → 399

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Technical data	Band Saw BAS 505 Precision WNB	Band Saw BAS 505 Precision DNB
Dimensions	834 / 2.8 x 639 / 2.1 x 1,860 / 6.1 mm	834 / 2.8 x 639 / 2.1 x 1,860 / 6.1 mm
Support surface	536 x 640 mm	536 x 640 mm
Working height without stand	925 mm	925 mm
Sawing bench swivel range	0 - 20 °	0 - 20 °
Cutting height	280 mm	280 mm
Passage width	440 mm	440 mm
Cutting speed	430/1,020 m/min	430/1,020 m/min
Saw belt length	3,380 mm	3,380 mm
Saw belt width	6 - 25 mm	6 - 25 mm
Rated input power	1,500 W	1,900 W
Output power	1,100 W	1,500 W
Weight	133 kg	133 kg

Scope of delivery	605052	605053
Order number	605052	605053
A6 Universal band saw blade	■	■
Parallel guide / ripping fence	■	■
Extraction nozzle (Ø 100 mm)	■	■

- Product advantages**
- High precision and stability for highest cutting quality
  - Two cutting speeds for various applications and materials
  - Top and bottom HSS precision three-roller guide of the band saw blade for best cutting results, adjustable without tools
  - Quiet induction motor, maintenance-free and robust.
  - Restart protection: prevents unintentional start-up after power supply interruption
  - Easy inclination adjustment of the grey cast iron saw table for precise incline cuts thanks to toothed ring guide
  - Door opening without tools for easy saw blade change
  - Viewing window for blade clamp indicator for fast control of the blade clamping from outside
  - Tool-less height adjustment of the saw blade guard
  - Attachments can be stored in the saw housing
  - External extraction possible for low-dust working
  - Radius cutting with circle sawing attachment (accessory)

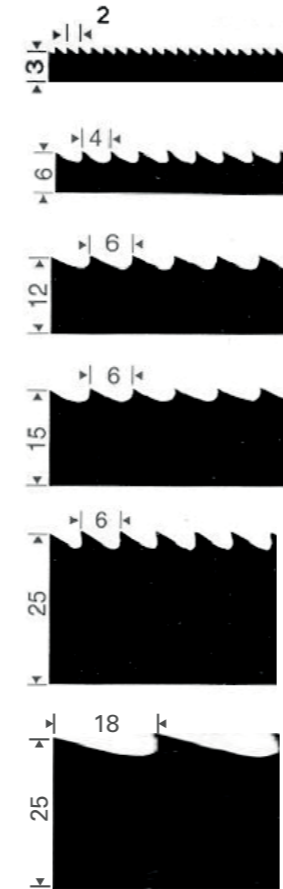
**System components**

Accessories → 461

Extraction systems → 399

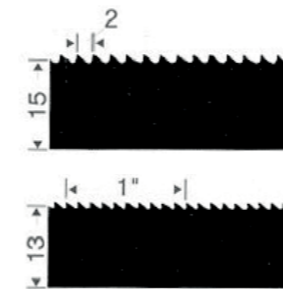
# BAND SAW BLADES

## Band saw blades for wood and plastic



- A2 Helical tooth for small radius**  
Wood, plastic, fine sawing attachment required
- A4 Helical tooth for curved cuts**  
Wood, plastic
- A6 Helical tooth for curved cuts**  
Wood, plastic
- A6 Helical tooth for straight cuts**  
Wood, plastic
- A6 Helical tooth for straight cuts**  
Wood, plastic
- A18 Helical tooth for straight cuts**  
Firewood

## Band saw blades for metal and foam materials



- A2 Rake tooth for universal cuts**  
Aluminium, copper, brass, foam materials
- 14TPI Rake tooth for universal cuts**  
Aluminium, copper, brass, steel
- 18TPI Rake tooth for universal cuts**  
Aluminium, copper, brass, steel

### Designation of the band saw blades

Example:

**Top edge induction hardened 2240 x 6 x 0,5/  
A - 4 (14 TPI)**

**Top edge induction hardened.**

Top edge induction hardened, Carbon steel with inductively hardened tooth tips; very economical thanks to high useful life

- 2240** = band length mm
- 6** = band width mm
- 0.5** = band thickness mm
- A - 4** = clearance of tooth tips mm
- 14 TPI = A2** = number of teeth per inch unit
- 1.3 TPI = A18** = number of teeth per inch unit

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Bad saw blades for wood and plastic



- Carbon steel with induction hardened teeth
- Very economical due to its long useable working life

Dimensions mm	Tooth pitch	Material suitability	Suitable for	Order number
1,712 x 6 x 0.36	A4 helical tooth	Wood, plastics, aluminium, especially for curved cuts	BAS 260 Swift, BAS 261 Precision	0909057175*
1,712 x 12 x 0.36	A6 peg tooth	Wood, plastics, aluminium	BAS 260 Swift, BAS 261 Precision	0909057183*
2,240 x 6 x 0.5	A4 helical tooth	Wood, plastics, especially for curved cuts	BAS 317 Precision, BAS 318 Precision	0909029252*
2,240 x 12 x 0.5	A6 peg tooth	Wood, plastics	BAS 317 Precision, BAS 318 Precision	0909029244*
2,240 x 15 x 0.5	A6 peg tooth	Wood, plastics, for straight and clean cuts	BAS 317 Precision, BAS 318 Precision	0909029260*
2,240 x 15 x 0.5	A2 rake tooth	Wood, plastics	BAS 317 Precision, BAS 318 Precision	0909029279*
2,225 x 3 x 0.5	A2 helical tooth	Wood, plastics, especially for curved cuts, for circular cuts with fine sawing equipment	BAS 380	0909060257*
2,225 x 6 x 0.36	A4 helical tooth	Wood, plastics, especially for curved cuts	BAS 380	0909060265*
2,225 x 9 x 0.36	A6 peg tooth	Wood, plastics	BAS 380	0909060273*
2,225 x 13 x 0.36	A6 peg tooth	Wood, plastics, for straight and clean cuts	BAS 380	0909060281*
3,380 x 6 x 0.5	A4 helical tooth	Wood, plastics, especially for curved cuts	BAS 505 G, BAS 505 Precision	0909029180*
3,380 x 15 x 0.5	A6 peg tooth	Wood, plastics	BAS 505 G, BAS 505 Precision	0909029171*
3,380 x 25 x 0.5	A6 peg tooth	Wood, plastics, aluminium, for straight and clean cuts	BAS 505 G, BAS 505 Precision	0909000416*
3,380 x 25 x 0.5	A18 peg tooth	Wood, firewood	BAS 505 G, BAS 505 Precision	0909000424*
3,380 x 15 x 0.5	A2 rake tooth	Wood, plastics	BAS 505 G, BAS 505 Precision	0909029210*
1,505 x 6 x 0.36	A4 helical tooth	Wood, plastics, aluminium, especially for curved cuts	BS 230 up to 2001	0909040817*
1,505 x 12 x 0.36	A6 peg tooth	Wood, plastics, aluminium	BS 230 up to 2001	0909040825*

Band saw blades for metal



- Carbon steel with induction hardened teeth
- Very economical due to its long useable working life

Dimensions mm	Tooth pitch	Material suitability	Suitable for	Order number
1,712 x 12 x 0.36	A2 rake tooth	NF metals, plastics, aluminium, wood	BAS 260 Swift, BAS 261 Precision	0909057191*
3,380 x 13 x 0.65		NF metals, sections, plastics	BAS 505 G	0909029228*
1,067 x 5 x 0.65	A2 rake tooth	NF metals, plastics, aluminium, wood	BS 150 E up to 1998	0909052939*
1,505 x 12 x 0.36	A2 rake tooth	NF metals, plastics, wood	BS 230 up to 2001	0909040841*
835 x 13 x 0.5	14 TPI	Steel tubes, steel sections, U-steel and round steel	MBS 18 LTX 2.5	626427000*
835 x 13 x 0.5	18 TPI	Steel tubes, steel sections, U-steel and round steel	MBS 18 LTX 2.5	626428000*
835 x 13 x 0.5	14 / 18 TPI	Steel tubes, steel sections, U-steel and round steel	MBS 18 LTX 2.5	626429000*

Machine stand



- Machine stand UMS**
- For ideal working height and stability
  - Can be folded up compactly
  - Compensation in height with adjustable stand
  - Ready mounted
- Height of work bench: 83 cm  
Weight: 12 kg  
Maximum weight load: 250 kg  
Support surface 57 x 60 cm  
suitable for: KS 216 M Lasercut, KGS 216 M, KGSV 216 M, KGS 254 M, KGS 216 Plus, KGS 254 Plus / KGS 254 I Plus, KGS 315 Plus, KGSV 72 Xact, KGSV 72 Xact SYM, KS 254 Plus, KS 305 M, KS 305 Plus, KGT 300, KGT 305 M, BAS 260 Swift, BAS 261 Precision, DH 330

Order number  
631317000

Circle cutting attachments



- Circle cutting attachment**
- For circular cuts or tapered cuts (with inclined table)
  - Diameter from 120 to 280 mm
- Band saw blade 6 mm required for curve sawing  
suitable for: BAS 315 / 316, BAS 316 G, BAS 317 Precision, BAS 450, BAS 500, BAS 505 G, BAS 600, BAS 505 Precision, BAS 260 Swift

Order number  
0909031249\*

Cloth sanding belts



Grit	Dimensions mm	Sales unit	Suitable for	Order number
P 80	20 x 2.205	3	BAS 380	0909060303*
P 150	20 x 2.205	3	BAS 380	0909060320*
P 80	20 x 2.240	3	BAS 315 / 316, BAS 316 G, BAS 317 Precision	0909030528*
P 120	20 x 2.240	3	BAS 315 / 316, BAS 316 G, BAS 317 Precision	0909030536*
P 80	25 x 3.380	3	BAS 450, BAS 500, BAS 505 G, BAS 600, BAS 505 Precision	0909030544*
P 120	25 x 3.380	3	BAS 450, BAS 500, BAS 505 G, BAS 600, BAS 505 Precision	0909030552*

Hook and loop sanding sheets



Grit	Diameter mm	Sales unit	Suitable for	Order number
P 60	200	5	BAS 380	0909060338*
P 80	200	5	BAS 380	0909060346*
P 100	200	5	BAS 380	0909060354*

\*Self-service packaging





Technical data	Bench Thicknesser DH 330
Dimensions L x W x H	579 x 857 x 574 mm
Chip removal bench thicknesser	0 - 3 mm
Thickness table	Cast aluminium / special steel aluminium
Thickness table L x W	840 x 330 mm
Passage height/width	152 mm/330 mm
Feed Rate	7 m/min
Diameter of blade shaft	47 mm
Number of blades	2
Revolutions of blade shaft	9,800 /min
Rated input power	1,800 W
Weight	35 kg

Scope of delivery

Order number	0200033000
2 integrated HSS reversible planer blades	■
Push stick	■
Extraction nozzle	■

Product advantages

- Ideal for mobile use due to low weight
- Stable gear for uniform work piece feed
- Convenient height adjustment with crank handle
- Easy setting of common passage heights using stop points
- Powerful universal motor for powerful lugging drive and even planing result
- Restart protection: prevents unintentional start-up after power supply interruption
- Precise thickness adjustment for quick and exact planing
- Large feed and exit tables support the conveyance of long materials
- Planing locking mechanism prevents unintentional adjustment of the chip removal setting

System components

Accessories → 466 | Extraction systems → 399



Technical data	Planer Thicknesser HC 260 C - 2.2 WNB	Planer Thicknesser HC 260 C - 2.8 DNB
Dimensions L x W x H	1,110 x 620 x 960 mm	1,110 x 620 x 960 mm
Dressing plates L x W	1,040 x 260 mm	1,040 x 260 mm
Chip removal, planing	0 - 3 mm	0 - 3 mm
Chip removal bench thicknesser	0 - 3 mm	0 - 3 mm
Planing plates	Cast aluminium	Cast aluminium
Thickness table	Grey cast iron	Grey cast iron
Thickness table L x W	400 x 260 mm	400 x 260 mm
Passage height/width	160 mm/260 mm	160 mm/260 mm
Feed rate	5 m/min	5 m/min
Diameter of blade shaft	63 mm	63 mm
Number of blades	2	2
Revolutions of blade shaft	6,500 /min	6,500 /min
Rated input power	2,200 W	2,800 W
Output power	1,600 W	2,000 W
Weight	71 kg	71 kg

Scope of delivery

Order number	0114026000	0114026100
integrated disposable reversible planer blades	■	■
short, swivelling jointing fence	■	■
Chip ejection hood	■	■
Push stick	■	■
Extraction nozzle	■	■

Product advantages

- High torque three-phase motor
- Simple conversion from surface planer to bench thicknesser without tools
- Stable gear for uniform work piece feed
- Thickness table made of solid, non-abrasive grey cast iron
- Convenient height adjustment with crank handle
- Planer blades with double blade for longer service life
- Jointing fence, swivelling 90°-45°
- Powerful universal motor for powerful lugging drive and even planing result
- Quiet induction motor, maintenance-free and robust.
- Restart protection: prevents unintentional start-up after power supply interruption

System components

Accessories → 466 | Extraction systems → 399

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## Planer Blades

## Disposable reversible planer blades

- For all soft woods

Dimensions mm	Reversible planer blades	Suitable for	Sales unit	Order number
260 x 18.6 x 1	■	HC 260 C, HC 260 M, HC 260 K	2	0911030713*

## HSS planer blade



- For all soft woods and hard woods
- Re grindable
- 18% tungsten = increased tool life

Dimensions mm	Reversible planer blades	Suitable for	Sales unit	Order number
260 x 20 x 2.5		Multi 260	2	0920054030*
260 x 20 x 3		HC 260 C, HC 260 M, HC 260 K	2	0911030721*
263 x 24.5 x 3		HC 260 E / ES up to construction year 1989	2	0911030748*
304 x 25 x 3		HC 300	2	0911060167*
310 x 20 x 2.5		Multi 310	2	0920054048*
310 x 20 x 3		HC 333 G	2	0911053179*
310 x 30 x 3		HC 314 up to construction year 1999	4	0911016362*
320 x 25 x 3		HC 320 up to construction year 99	3	0911014220*
334 x 16 x 2	■	DH 330 through to year of construction 05	2	0911062119*
332 x 12 x 1.5	■	DH 330 as of year of construction 06, DH 316	2	0911063549*
410 x 25 x 3		HC 410 G	3	0911050390*

## Carbide planer blade

- For all hard woods, especially exotic woods, laminated wood, hard paper, fabric reinforced laminates
- Panel materials and plastics
- Re grindable, long tool life

Dimensions mm	Suitable for	Sales unit	Order number
260 x 20 x 3	HC 260 C, HC 260 M, HC 260 K	2	0911030730*

## Planer blade and retaining strip conversion set

Dimensions mm	Suitable for	Sales unit	Order number
260	HC 260 C, HC 260 M	2	0911030845

## Attachments

## Wheel sets



- Wheel set**
- For easy transportation
- Suitable for: HC 260 C, HC 260 M

Order number  
0911003783

## Other Accessories

## Spray for maintenance and care

**Spray for maintenance and care**

- Ideal for maintenance and care of wood processing machines
- Contains silicone, prevents saw dust from sticking, e.g. to threaded rods or sliding bearings
- Increases the sliding quality of the workpieces on the machine table
- High cleaning capacity

Order number  
0911018691\*

## Lubricant

- To help the wood glide well on the dressing plate and the thickness table

**Waxilit - lubricant**  
Weight: 70 g

Order number  
0911001071

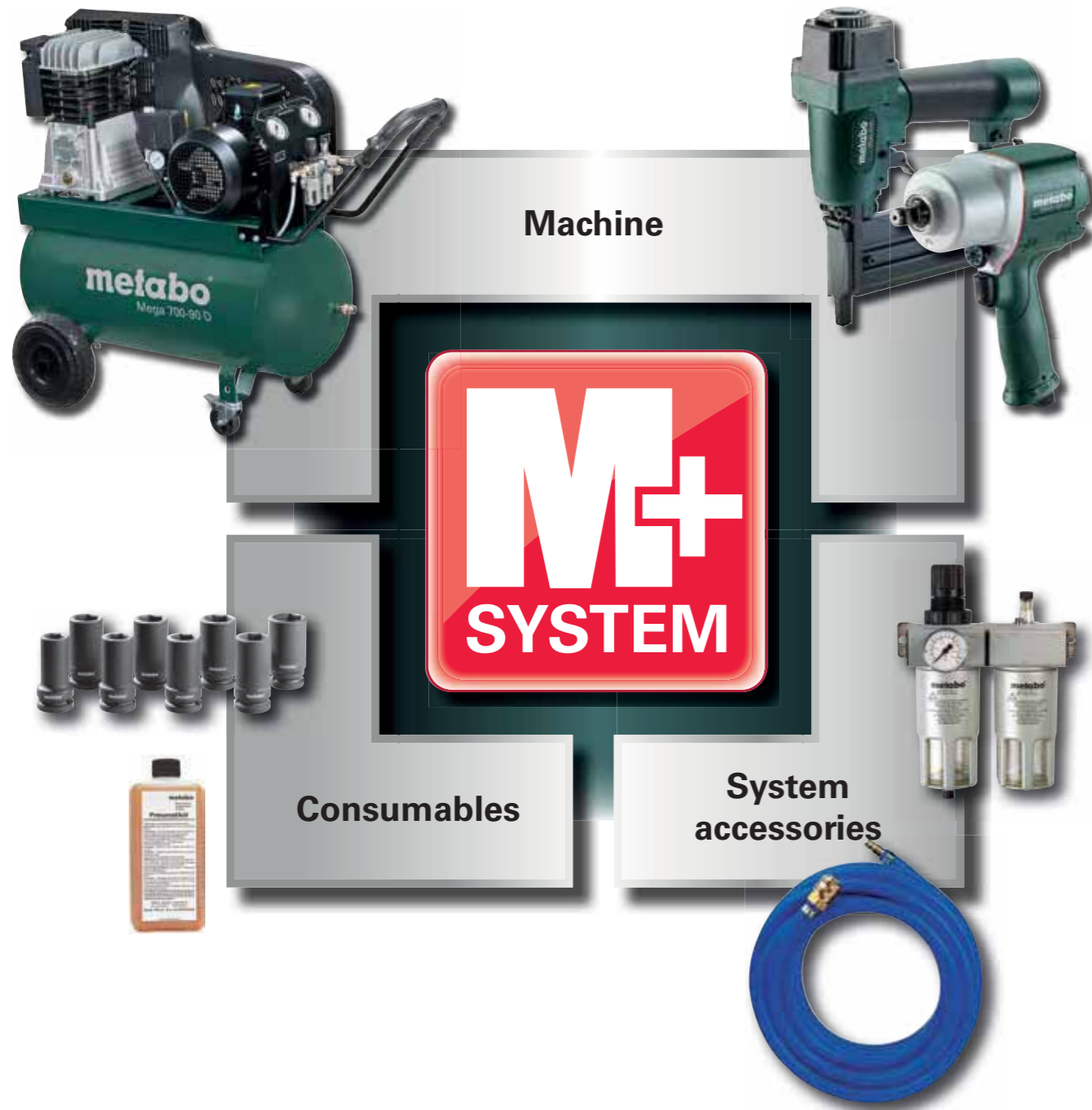
**Waxilit - lubricant**  
Weight: 1,000 g

4313062258

\*Self-service packaging

# M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR MAXIMUM PERFORMANCE.

Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum performance thanks to Metabo + System effect.



**Compressors**  
**Compressed Air Tools**  
**Compressed Air Preparation**  
**Compressed Air Distribution**

# WHICH COMPRESSOR FOR WHICH TOOL?

	Type	Compressor Models																	
		Basic 250-24 W OF	Basic 250-24 W	Basic 250-50 W	Power 180-W OF	Power 250-10 W OF	Power 280-20 W OF	Power 400-20 W OF	Mega 400-50 W	Mega 400-50 D	Mega 350-50 W	Mega 350-100 W	Mega 350-100 D	Mega 350-150 D	Mega 550-90 D	Mega 520-200 D	Mega 700-90 D	Mega 650-270 D	
<b>Compressed air tools requiring cleaned, oiled compressed air</b>																			
<b>Air Impact Wrench</b>	DSSW 360 Set 1/2"			□				□	■	■	■	■	■	■	■	■	■	■	■
	DSSW 475-1/2"			□				□	■	■	■	■	■	■	■	■	■	■	■
	DSSW 930-1/2"			□				□	■	■	■	■	■	■	■	■	■	■	■
	DSSW 1690-3/4"														■	■	■	■	■
	DSSW 2440-1"														□	□	■	■	■
<b>Air Ratchet Wrench</b>	DRS 68 Set 1/2"			□					■	■	□	□	□	□	■	■	■	■	■
	DRS 35-1/4"			□					■	■	□	□	□	□	■	■	■	■	■
	DRS 95-1/2"			□					■	■	□	□	□	□	■	■	■	■	■
<b>Air Screwdriver</b>	DS 14								□	□	□	□	□	■	■	■	■	■	■
<b>Air Drill</b>	DB 10								□	□	□	□	□	■	■	■	■	■	■
<b>Air Chipping Hammer</b>	DMH 30 Set								□	□	□	□	□	□	■	■	■	■	■
	DMH 290 Set								□	□	□	□	□	□	■	■	■	■	■
<b>Large Diameter Air Saw</b>	DKS 10 Set								□	□	□	□	□	■	■	■	■	■	■
<b>Air Die Grinder</b>	DG 25 Set								□	□	□	□	□	■	■	■	■	■	■
	DG 700														□	□	■	■	■
	DG 700 L														□	□	■	■	■
<b>Air Angle Grinder</b>	DW 125														□	□	■	■	■
	DW 125 Quick														□	□	■	■	■
<b>Air Band File</b>	DBF 457														□	□	■	■	■
<b>Air Disc Sander</b>	DSX 150														□	□	■	■	■
<b>Air Staple Gun / Nailer</b>	DKNG 40/50	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Air Staple Gun</b>	DKG 80/16	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	DKG 90/40	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	DKG 114/65	□	□	□		□	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Air Pin Nailer</b>	DPN 25	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Air Head Nailer</b>	DSN 50	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Air Grease Gun</b>	DFP 400	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

	Type	Compressor Models																	
		Basic 250-24 W OF	Basic 250-24 W	Basic 250-50 W	Power 180-W OF	Power 250-10 W OF	Power 280-20 W OF	Power 400-20 W OF	Mega 400-50 W	Mega 400-50 D	Mega 350-50 W	Mega 350-100 W	Mega 350-100 D	Mega 350-150 D	Mega 550-90 D	Mega 520-200 D	Mega 700-90 D	Mega 650-270 D	
<b>Air tools requiring cleaned, oil-free, compressed air</b>																			
<b>Paint Spray Gun</b>	FSP 100	□	□	□				□	■	■	■	■	■	■	■	■	■	■	■
	FSP 600	□	□	□					■	■	■	■	■	■	■	■	■	■	■
	FSP 1000 S	□	□	□					■	■	■	■	■	■	■	■	■	■	■
	FSP 600 HVLP								■	■	■	■	■	■	■	■	■	■	■
	FSP 600 LVLP	□	□	□				□	■	■	■	■	■	■	■	■	■	■	■
	<b>Sand Blasting Gun</b>	SSP 1000															□	□	■
<b>Spray Gun</b>	SPP 1000	□	□	□					■	■	■	■	■	■	■	■	■	■	■
<b>Combi Spray Gun</b>	UBS 1000								■	■	■	■	■	■	■	■	■	■	■
<b>Air Cartridge Gun</b>	DKP 310	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Tyre Inflator &amp; Pressure Gauge</b>	RF 60	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	RF 60 G	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	RF 80 G	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	RF 80 D	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Blow Gun</b>	BP 10	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	BP 210	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	BP 200	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	BP 500	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Blow Gun Aluminium</b>	BPA 15	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	BPA 15 S	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
<b>Air Tool Set</b>	LPZ 4 Set	□	□	□					■	■	■	■	■	■	■	■	■	■	■
	LPZ 7 Set	□	□	□					■	■	■	■	■	■	■	■	■	■	■

■ good suitability/ for continuous use of one tool per compressor  
 □ limited suitability/for short use

# ROBUST, POWERFUL, RELIABLE: METABO'S COMPRESSOR CLASSES

We are well experienced with different compressor applications, and offer the appropriate model to suit every application. This way you can select the compressor that best suits your personal requirements! Our range spans from the light and compact basic models, through to the handy and mobile power class, and on to the extremely powerful mega compressors for more demanding applications. Your application is the decisive factor.

**Belt Drive**  
for low speeds and particularly quiet operation

**High-quality Condor pressure switch**  
with pressure regulator and start-up relief valve.



**Long transport handle**  
with integrated cable winding

**Filter pressure reducer with fine filter and mist oiler**  
for adjustable, application-based working pressure, and ideal air quality

**Easy access**  
to the condensation outlet

**Robust wheels and castors**  
for optimum transport and safe positioning thanks to locking brake

Mega 700-90 D



**Technical Data**

	Compressor Basic 250-24 W OF	Compressor Basic 250-24 W	Compressor Basic 250-50 W
Suction rate	220 l/min	200 l/min	200 l/min
Filling capacity	120 l/min	110 l/min	110 l/min
Effective delivery volume (at 80% max. pressure)	100 l/min	95 l/min	95 l/min
Maximum pressure	8 bar	8 bar	8 bar
Rated input power	1.5 kW / 2 HP	1.5 kW / 2 HP	1.5 kW / 2 HP
Maximum speed	2,850 /min	2,850 /min	2,850 /min
Tank capacity	24 l	24 l	50 l
Sound pressure level (LpA)	84 dB(A)	84 dB(A)	85 dB(A)
Sound power level (LwA)	97 dB(A)	97 dB(A)	97 dB(A)
Dimensions	620 x 340 x 580 mm	620 x 340 x 580 mm	780 x 400 x 625 mm
Weight	24 kg	27 kg	32 kg
Cable length	1.5 m	1.5 m	1.5 m

**Scope of delivery**

Order number	601532	601533	601534
1 Universal quick-action coupling	■	■	■
Pull handle with rubber-coating	■	■	■

**Product advantages**

- Oil-free piston compressor: simple transportation and reduced service requirements
- Oil-lubricated Piston Condenser
- Oil-lubricated Piston Condenser
- Powerful, robust compressor for simple, commercial use
- For single phase alternating current
- Working pressure can be regulated according to application by means of a pressure reducer with manometer
- Convenient push button cold start feature complete with safety valve
- Overload protection: protects the motor from overheating
- Rubberised, stable wheels for mobile use
- Additional manometer for displaying the tank pressure
- Rubber-coated handle for comfortable handling
- 10 year tank warranty against rust

**System components**

Accessories → 507



**Light and Compact: The Basic Class**  
Compact and light starter models for simple, industrial applications



**For demanding construction site use: The Power class**  
Compact and mobile piston compressor for flexible use both indoors and on construction sites thanks to large wheels and trolley function



**Powerful and comfortable: The Mega class**  
Particularly powerful, V-belt-driven compressors for professional use in the workshop

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**Technical data**

**Compressor Power 180-5 W OF**

Suction rate	160 l/min
Filling capacity	90 l/min
Effective delivery volume (at 80% max. pressure)	75 l/min
Maximum pressure	8 bar
Rated input power	1.1 kW / 1.5 HP
Maximum speed	2,850 /min
Tank capacity	5 l
Sound pressure level (LpA)	81.6 dB(A)
Sound power level (LwA)	96 dB(A)
Dimensions	370 x 395 x 286 mm
Weight	16 kg
Cable length	4 m

**Scope of delivery**

Order number	601531
1 Universal quick-action coupling	■
2 Universal quick-action couplings	

**Product advantages**

- Crane eyelet for safe and easy transport on the construction site
- Compact and mobile piston compressor for flexible use both indoors and on construction sites
- Portable assembly compressor – ideal for tackers and nails as well as for separating pipes by force
- For single phase alternating current
- Oil-free piston compressor: simple transportation and reduced service requirements
- Instrument panel with easy to read manometer for tank- and working pressure
- Working pressure can be regulated according to application by means of a pressure reducer with manometer
- Fittings and control elements protected in tubular frames and clearly visible
- Cable winding facility
- Convenient push button cold start feature complete with safety valve
- Overload protection: protects the motor from overheating
- Rubberised feet for optimum stability

**System components**

Accessories → 507



**Technical data**

**Compressor Power 280-20 W OF**

Suction rate	280 l/min
Filling capacity	150 l/min
Effective delivery volume (at 80% max. pressure)	140 l/min
Maximum pressure	10 bar
Rated input power	1.7 kW / 2.5 HP
Maximum speed	2,850 /min
Tank capacity	20 l
Sound pressure level (LpA)	82.5 dB(A)
Sound power level (LwA)	97 dB(A)
Dimensions	580 x 600 x 500 mm
Weight	40 kg
Cable length	4 m

**Scope of delivery**

Order number	601545
2 Universal quick-action couplings	■

**Product advantages**

- Particularly low-level noise and vibrations
- Designed for continuous operation with S1 motor operating mode
- Compact and mobile piston compressor for flexible use both indoors and on construction sites
- For single phase alternating current
- Oil-free piston compressor: simple transportation and reduced service requirements
- Working pressure can be regulated according to application by means of a pressure reducer with manometer
- Fittings and control elements protected in tubular frames and clearly visible
- Rubberised, stable wheels and pull handle for mobile use
- Cable winding mechanism
- Convenient push button cold start feature complete with safety valve
- Overload protection: protects the motor from overheating
- Rubberised feet for optimum stability
- Attachment and transport option for Metaloc and other common storage case systems
- Crane eyelet for safe and easy transport on the construction site

**System components**

Accessories → 507

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Technical data	Compressor Mega 400-50 W	Compressor Mega 400-50 D
Suction rate	400 l/min	400 l/min
Filling capacity	300 l/min	300 l/min
Effective delivery volume (at 80% max. pressure)	260 l/min	260 l/min
Maximum pressure	10 bar	10 bar
Rated input power	2.2 kW / 3 HP	2.2 kW / 3 HP
Maximum speed	1,050 /min	1,050 /min
Tank capacity	50 l	50 l
Sound pressure level (LpA)	86 dB(A)	86 dB(A)
Sound power level (LwA)	93 dB(A)	93 dB(A)
Dimensions	1,050 x 410 x 817 mm	1,050 x 410 x 817 mm
Weight	73 kg	73 kg
Cable length	1.5 m	1.5 m

Scope of delivery

Order number	601536	601537
3 Universal couplings	■	■

Product advantages

- For single phase alternating current
- For three-phase current
- More powerful and robust V-belt compressor for demanding use
- Belt drive for low speeds and a particularly quiet operation
- Oil-lubricated Piston Condenser
- Working pressure can be regulated according to application and air quality improved thanks to the filter pressure reducer with manometer and oil-mist lubricator
- Convenient push button cold start feature complete with safety valve
- Additional manometer for displaying the tank pressure
- Overload protection: protects the motor from overheating
- Instrument panel with easy to read manometer for tank- and working pressure
- Large, rubberised wheels for comfortable transport
- Steering castors with locking brake for high manoeuvrability
- Cable winding mechanism
- Ergonomic and long pull handle with integrated cable drum
- 10 year tank warranty against rust

System components

Accessories → 507



Technical data	Compressor Mega 350-50 W	Compressor Mega 350-100 W	Compressor Mega 350-100 D	Compressor Mega 350-150 D
Suction Rate	320 l/min	320 l/min	320 l/min	320 l/min
Filling Capacity	250 l/min	250 l/min	250 l/min	250 l/min
Effective delivery volume (at 80% max. pressure)	220 l/min	220 l/min	220 l/min	220 l/min
Maximum pressure	10 bar	10 bar	10 bar	10 bar
Rated input power	2.2 kW / 3 HP	2.2 kW / 3 HP	2.2 kW / 3 HP	2.2 kW / 3 HP
Maximum speed	1,350 /min	1,350 /min	1,350 /min	1,350 /min
Tank Capacity	50 l	90 l	90 l	150 l
Sound pressure level (LpA)	86 dB(A)	86 dB(A)	86 dB(A)	86 dB(A)
Sound power level (LwA)	93 dB(A)	93 dB(A)	93 dB(A)	93 dB(A)
Dimensions	880 x 490 x 780 mm	1,000 x 410 x 900 mm	1,000 x 410 x 900 mm	1,380 x 420 x 950 mm
Weight	52 kg	69 kg	69 kg	85 kg
Cable length	1.5 m	1.5 m	1.5 m	1.5 m

Scope of delivery

Order number	601589	601538	601539	601587
2 Universal couplings	■			
3 Universal couplings		■	■	■

Product advantages

- For single phase alternating current
- For single phase alternating current
- For three-phase current
- For three-phase current
- Working pressure can be regulated according to application by means of a pressure reducer with manometer
- Working pressure can be regulated according to application by means of a filter pressure reducer with manometer
- Working pressure can be regulated according to application by means of a filter pressure reducer with manometer
- Working pressure can be regulated according to application by means of a filter pressure reducer with manometer
- More powerful and robust V-belt compressor for demanding use
- Belt drive for low speeds and particularly quiet operation
- Oil-lubricated Piston Condenser
- Convenient push button cold start feature complete with safety valve
- Additional manometer for displaying the tank pressure
- Overload protection: protects the motor from overheating
- Rubberised feet for optimum stability
- Rubberised, stable wheels and pull handle for mobile use
- 10 year tank warranty against rust

System components

Accessories → 507

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Technical data	Compressor Mega 550-90 D	Compressor Mega 700-90 D
Suction rate	510 l/min	650 l/min
Filling capacity	395 l/min	520 l/min
Effective delivery volume (at 80% max. pressure)	360 l/min	450 l/min
Maximum pressure	11 bar	11 bar
Rated input power	3 kW / 4 HP	4 kW / 5.5 HP
Maximum speed	1,400 /min	1,400 /min
Tank capacity	90 l	90 l
Sound pressure level (LpA)	87 dB(A)	88 dB(A)
Sound power level (LwA)	96 dB(A)	97 dB(A)
Dimensions	1,126 x 490 x 917 mm	1,188 x 520 x 1,110 mm
Weight	103 kg	119 kg
Cable length	1.5 m	1.5 m

Scope of delivery

Order number	601540	601542
3 Universal couplings	■	■

Product advantages

- Re-cooler for less condensation water formation
- More powerful and robust V-belt compressor for demanding use
- Belt drive for low speeds and particularly quiet operation
- Two-level condensation for particularly high performance and long service life
- For three-phase current
- Working pressure can be regulated according to application and air quality improved thanks to the filter pressure reducer with manometer and oil-mist lubricator
- Convenient push button cold start feature complete with safety valve
- Additional manometer for displaying the tank pressure
- Overload protection: protects the motor from overheating
- Oil-lubricated 2-cylinder piston condenser for high air supply volume
- Instrument panel with easy to read manometer for tank- and working pressure
- Large, rubberised wheels for comfortable transport
- Steering castors with locking brake for high manoeuvrability
- Cable winding mechanism
- Ergonomic and long pull handle with integrated cable drum
- 10 year tank warranty against rust

System components

Accessories → 507



Technical data	Compressor Mega 520-200 D	Compressor Mega 580-200 D	Compressor Mega 650-270 D
Suction rate	490 l/min	510 l/min	650 l/min
Filling capacity	370 l/min	395 l/min	520 l/min
Effective delivery volume (at 80% max. pressure)	320 l/min	360 l/min	450 l/min
Maximum pressure	10 bar	11 bar	11 bar
Rated input power	3 kW / 4 HP	3 kW / 4 HP	4 kW / 5.5 HP
Maximum speed	1,300 /min	1,400 /min	1,400 /min
Tank capacity	200 l	200 l	270 l
Sound pressure level (LpA)	89 dB(A)	87 dB(A)	88 dB(A)
Sound power level (LwA)	96 dB(A)	96 dB(A)	97 dB(A)
Dimensions	1,500 x 450 x 960 mm	1,430 x 550 x 1,010 mm	1,530 x 600 x 1,160 mm
Weight	131 kg	136 kg	170 kg
Cable length	1.5 m	1.5 m	1.5 m

Scope of delivery

Order number	601541	601588	601543
3 Universal couplings	■	■	■

Product advantages

- Two-level condensation for particularly high performance and long service life
- Two-level condensation for particularly high performance and long service life
- Re-cooler for less condensation water formation
- More powerful and robust V-belt compressor for demanding use
- Belt drive for low speeds and particularly quiet operation
- For three-phase current
- Working pressure can be regulated according to application by means of a filter pressure reducer with manometer
- Convenient push button cold start feature complete with safety valve
- Additional manometer for displaying the tank pressure
- Overload protection: protects the motor from overheating
- Oil-lubricated 2-cylinder piston condenser for high air supply volume
- Rubberised feet for optimum stability
- Rubberised, stable wheels and pull handle for mobile use
- 10 year tank warranty against rust

System components

Accessories → 507

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Technical data	Air Impact Wrench DSSW 360 Set 1/2"
Operating pressure	6.2 bar
Air requirement	6 l/s
Square holder	1/2"
Loosening torque	360 Nm
Weight	2 kg

Scope of delivery	
Order number	604118
EURO and ARO/Orion plug-in nipple 1/4"	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
10 Socket spanners (10, 11, 13, 14, 17, 19, 21, 22, 24, 27 mm)	■
Plastic carry case	■
Oil bottles	■
Extension	■

- Product advantages**
- Durable hammer impact mechanism
  - For screwing wheel bolts on automobiles, for assembly work and repairs.
  - Robust impact wrench for changing tyres, repair and assembly work
  - For different applications: 360 Nm loosening torque
  - Ergonomically shaped, rubber-coated handle for comfortable and low-fatigue operation
  - Exhaust guide with handle
  - Change of direction of rotation clockwise/anticlockwise via control button
  - Tightening torque adjustable to three levels

**System components**

Accessories → 483



Technical data	Air Impact Wrench DSSW 475-1/2"	Air Impact Wrench DSSW 930-1/2"
Operating pressure	6.2 bar	6.2 bar
Air requirement	7 l/s	9 l/s
Square holder	1/2"	1/2"
Loosening torque	475 Nm	930 Nm
Weight	1.2 kg	1.8 kg

Scope of delivery		
Order number	601548	601549
EURO and ARO/Orion plug-in nipple 1/4"	■	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■	■
Oil bottles	■	■

- Product advantages**
- For screwing wheel bolts on automobiles, for assembly work and repairs. Universal use
  - Practical and lightweight for easy operation even in difficult to reach places
  - Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
  - Ergonomic forward/reverse switching with convenient one-hand operation
  - User-friendly exhaust guide through the handle avoids dust turbulence in the working area
  - Torque can be set in three levels for different screwing applications

**System components**

Accessories → 483



**Technical data**

**Air Impact Wrench  
DSSW 1690-3/4"**

**Air Impact Wrench  
DSSW 2440-1"**

Operating pressure	6.2 bar	6.2 bar
Air requirement	10.5 l/s	13 l/s
Square holder	3/4"	1"
Loosening torque	1,690 Nm	2,440 Nm
Weight	3.5 kg	7.3 kg

**Scope of delivery**

Order number	601550	601551
EURO and ARO/Orion plug-in nipple 3/8"	■	
EURO and ARO/Orion plug-in nipple 1/2"		■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■	■
Oil bottles	■	■








**Product advantages**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>■ For tightening/loosening wheel bolts on automobiles and transporters, for assembly work and repairs. Universal use</li> <li>■ Practical and lightweight for easy operation even in difficult to reach places</li> <li>■ Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work</li> <li>■ Ergonomic forward/reverse switching with convenient one-hand operation</li> <li>■ User-friendly exhaust guide through the handle avoids dust turbulence in the working area</li> <li>■ Torque can be set at three levels for different tightening applications</li> </ul> | <ul style="list-style-type: none"> <li>■ Large front handle for an ergonomic working position</li> <li>■ Extended drive stem for screw-driving jobs on deep centre rims</li> <li>■ Robust and powerful impact wrench for heavy-duty jobs e.g. lorry service</li> </ul> |
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**System components**

Accessories → 483

**Accessories for impact screwdrivers, ratchet screwdrivers**

	Order number
 <p><b>Socket wrench set 1/2" (10 pieces)</b> Consisting of 10 socket wrenches (10, 11, 12, 13, 15, 17, 19, 21, 22, 24 mm)</p>	628831000
 <p><b>Socket wrench set 1/2" (3 pieces)</b> Consisting of 3 socket wrenches (17, 19, 21mm) For alloy wheel caps, long version</p>	628833000
 <p><b>Socket wrench extension 1/2" impact-proof</b> Overall length 150 mm</p>	628832000
 <p><b>Socket wrench set 3/4" (8 pieces)</b> Consisting of 8 socket wrenches (21, 22, 24, 26, 27, 28, 30, 32 mm)</p>	628834000
 <p><b>Socket wrench set 1" (8 pieces)</b> Consisting of 8 socket wrenches (24, 27, 30, 32, 33, 34, 36, 38mm) Deep version</p>	628835000
 <p><b>Wall bracket</b> Retention force 15 kg Suitable for air tools, for 3/8", 1/2" and 3/4" air impact wrenches and accessories</p>	628848000
 <p><b>Special oil 0.5 litres for air tools mineral</b></p>	0901008540

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## Technical data

Air Ratchet Wrench  
DRS 68 set 1/2"

Operating pressure	6.2 bar
Air requirement	220 l/min
Square holder	1/2"
Speed (RPM)	175 /min
Loosening torque	68 Nm
Weight	1.2 kg

## Scope of delivery

Order number	604119
EURO and ARO/Orion plug-in nipple 1/4"	■
7 Socket spanners (9, 10, 11, 13, 14, 17, 19 mm)	■
Plastic carry case	■
Oil bottles	■
Extension 75 mm	■
Flexible joint	■

## Product advantages

- Ergonomic fwd/rev switch
- Easy adjustment of direction of rotation at ratchet head
- Compact design
- For all work with screws: e.g. repairs on cars, steel construction etc.
- Ergonomic, partially rubber-coated housing: cold-insulating, non-slip and low vibration for comfortable work
- Integrated speed control
- Rotatable exhaust guide at the side of the housing.

## System components

Accessories → 483



## Technical data

Air Ratchet Wrench  
DRS 35-1/4"

Operating pressure	6.2 bar	6.2 bar
Air requirement	390 l/min	450 l/min
Square holder	1/4"	1/2"
Speed (RPM)	270 /min	160 /min
Loosening torque	35 Nm	95 Nm
Weight	0.53 kg	1.2 kg

## Scope of delivery

Order number	601552	601553
EURO and ARO/Orion plug-in nipple 1/4"	■	■
Oil bottles	■	■

## Product advantages

- Practical and lightweight for easy operation even in difficult to reach places
- Ergonomic composite housing: cold-insulating, non-slip and low vibration for comfortable work
- User-friendly exhaust guide through the handle avoids dust turbulence in the working area
- User-friendly, rotating exhaust guide: no dust turbulence in the working area
- Ideally suited for all car applications
- Universal application for all screwing tasks
- Ergonomic fwd/rev switch
- Rubberised handle for ergonomic and fatigue-free operation
- High-performance planetary gear train for a long service life and optimum transmission of force

## System components

Accessories → 483



Technical data	Air Screwdriver DS 14
Operating pressure	6.2 bar
Air requirement	340 l/min
Speed (RPM)	1,800 /min
Loosening torque	5 - 14 Nm
Weight	1.2 kg

Scope of delivery	
Order number	604117
EURO and ARO/Orion plug-in nipple 1/4"	■
Oil bottles	■

**Product advantages**

- Handy wrench for assembly work
- Ergonomically shaped, rubber-coated handle for comfortable and low-fatigue operation
- Ergonomic fwd/rev switch
- Gun shape
- Adjustable torque from 5 to 14 Nm
- Bit holder for comfortable single-handed tool change
- Exhaust guide with handle

Technical data	Air Drill DB 10
Operating pressure	6.2 bar
Air requirement	360 l/min
Speed (RPM)	1,800 /min
Chuck capacity	3 - 10 mm
Weight	1.2 kg

Scope of delivery	
Order number	604120
EURO and ARO/Orion plug-in nipple 1/4"	■
Oil bottles	■

**Product advantages**

- Ergonomically shaped, rubber-coated handle for comfortable and low-fatigue operation
- Quick work progress thanks to high torque of 1,800 / min
- Ergonomic fwd/rev switch
- Exhaust guide with handle

**System components**

Accessories → 287

**System components**

Accessories → 234



Technical data	Air Chipping Hammer DMH 30 Set
Operating pressure	6.2 bar
Air requirement	280 l/min
Impact rate	3,000 /min
Bit retainer	Hexagon shaft 10 mm
Weight	2 kg

Scope of delivery	
Order number	604115
EURO and ARO/Orion plug-in nipple 1/4"	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
4 Chisels	■
3 Chisels	■
Quick clamp spring	■
Quick-change Chuck	■
Plastic carry case	■
Oil bottles	■







**Product advantages**

- Light, handy chipping hammer
- Suitable for construction work on masonry, bricks, aerated concrete
- Ideal for removing plaster and tiles and light mortising work
- User-friendly exhaust guide through the handle avoids dust turbulence in the working area
- Rubberised handle for ergonomic and fatigue-free operation

Technical data	Air Chipping Hammer DMH 290 Set
Operating pressure	6.2 bar
Air requirement	330 l/min
Impact rate	2,900 /min
Bit retainer	Hexagon shaft 10 mm
Weight	1.7 kg

Scope of delivery	
Order number	601561
EURO and ARO/Orion plug-in nipple 1/4"	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
4 Chisels	■
3 Chisels	■
Quick clamp spring	■
Quick-change Chuck	■
Plastic carry case	■
Oil bottles	■

- For processing of sheet metal and stone
- For work in the car body area
- Kickback damping for reduction of vibrations
- Long piston stop with higher power transmission and effective operation and rapid work progress
- Quick-action chuck: for quick and tool-free change of chisels

Accessories for chipping hammers		
		Order number
	<b>Stone chisel</b> Overall length: 173 mm Hexagonal shank bit SW 10	0901026521
	<b>Stone chisel</b> 20 mm wide Overall length: 175 mm Hexagonal shank bit SW 10	0901026530
	<b>Stone chisel</b> 50 mm wide Overall length: 180 mm Hexagonal shank bit SW 10	0901026548
	<b>Stone chisel</b> 40 mm wide Overall length: 250 mm Hexagonal shank bit SW 10	0901026572
	<b>Spring for chipping hammer MHS 315</b> 8 coils Suitable for MHS 315, DW 315	0901013047*
	<b>Spring for chipping hammer MHS 450</b> 10 coils Suitable for MHS 450, MHS 5050	0901026327*
	<b>Needle scaler attachment</b> Suitable for DMH 30 Set, DMH 290 Set, as well as all competitor models, universal	628822000*
	<b>Special oil 0.5 litres for compressed air tools</b> mineral	0901008540



Technical data	Large Diameter Air Saw DKS 10 Set
Operating pressure	6.2 bar
Air requirement	420 l/min
Stroke length	10 mm
Strokes at rated load	9,000 /min
Cutting strength	
- Aluminium	4 mm
- Steel	3 mm
Weight	0.65 kg

Scope of delivery	601560
EURO and ARO/Orion plug-in nipple 1/4"	■
5 Saw blades each (18 teeth, 24 teeth, 32 teeth)	■
Hexagonal Wrench	■
Plastic carry case	■
Hose nozzle 10 mm and hose clamp according to ISO 11148	■
Oil bottles	■

- Product advantages**
- Suitable for cutting metal sheets, plastics, aluminium, wood and fibre glass
  - Low vibrations for convenient continuous operation
  - Magnesium housing: particularly light and robust
  - Rubberised handle for ergonomic and fatigue-free operation
  - User-friendly exhaust guide through the handle avoids dust turbulence in the working area
  - Sound-proofed air outlet for reduced noise operation
  - Precise saw blade guide for high cutting output and clean cutting edges
  - Adjustable hoop guard: exact setting of cutting depth
  - Safety lever prevents unintentional start of the machine

Technical data	Air Die Grinder DG 25 set
Operating pressure	6.2 bar
Air requirement	300 l/min
Speed (RPM)	25,000 /min
Collet Chuck Bore	6 mm
Weight	0.43 kg

Scope of delivery	604116
EURO and ARO/Orion plug-in nipple 1/4"	■
2 collets (3 mm, 6 mm)	■
5 mounted points each (3 mm, 6 mm)	■
2 open-jawed spanners (13 mm, 16 mm)	■
Plastic carry case	■

- Product advantages**
- For sanding/grinding, deburring, moulding/routing and engraving
  - Integrated speed control
  - Ergonomic, partially rubber-coated housing: cold-insulating, non-slip and low vibration for comfortable work
  - Safety lever for protection against accidental start up
  - Rotatable exhaust guide at the side of the housing.

**System components**

Accessories ▶ 506

**System components**

Accessories ▶ 186

\*Self-service packaging

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Technical data	Air Die Grinder DG 700	Air Die Grinder DG 700 L
Operating pressure	6.2 bar	6.2 bar
Air requirement	600 l/min	600 l/min
Speed (RPM)	22,000 /min	22,000 /min
Collet Chuck Bore	6 mm	6 mm
Weight	0.83 kg	1.3 kg

Scope of delivery	601554	601555
Order number	601554	601555
EURO and ARO/Orion plug-in nipple 1/4"	■	■
Collet 6 mm (industry standard)	■	■
Oil bottles	■	■

- Product advantages**
- Particularly powerful and robust for demanding use
  - For sanding/grinding, deburring, moulding/routing and engraving
  - For grinding flat and curved surfaces in a variety of different materials
  - Practical and lightweight for easy operation even in difficult to reach places
  - Ergonomic, insulated and light housing made from impact-proof plastic
  - User-friendly exhaust guide through the handle avoids dust turbulence in the working area
  - Sound-proofed air outlet for reduced noise operation
  - Compact dimensions for convenient one-hand operation

**System components**

Accessories → 506, 186



Technical data	Air Angle Grinder DW 125	Air Angle Grinder DW 125 Quick
Grinding wheel Ø	125 mm	125 mm
Operating Pressure	6.2 bar	6.2 bar
Air Requirement	500 l/min	500 l/min
No-Load Speed	10,000 /min	10,000 /min
Spindle thread	M 14	M 14
Weight	1.8 kg	2 kg

Scope of delivery	601556	601557
Order number	601556	601557
EURO and ARO/Orion plug-in nipple 1/4"	■	■
Hexagonal Wrench	■	■
Side Handle	■	
Flat-pin Spanner	■	
Anti-vibration handle		■
Protective cover for disc	■	■
Open-jawed spanner	■	
Oil bottles	■	■

- Product advantages**
- Metabo VibraTech (MVT) side handle for vibration damping to protect the user's health
  - Metabo Quick for tool-free disc change by means of a quick-locking nut
  - Tool-free adjustable guard; rotatable and fixable in 8 positions

- For grinding flat and curved surfaces made from a range of different materials
- Ergonomic, insulated and light housing made from impact-proof plastic
- User-friendly exhaust guide through the handle avoids dust turbulence in the working area
- Sound-proofed air outlet for reduced noise operation
- Safety lever prevents unintentional start of the machine
- For use with roughing and separating discs Ø 125 mm
- Numerous grinding wheels and cutting discs are available in the Metabo range

**System components**

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Technical data	Air Band File DBF 457
Operating pressure	6.2 bar
Air requirement	400 l/min
Belt speed in idle	20 m/s
Grinding belt width	13 mm
Grinding belt length	457 mm
Useful length of sanding belt arm	90 mm
Weight	1.5 kg

**Scope of delivery**

Order number	601559
EURO and ARO/Orion plug-in nipple 1/4"	■
Grinding belt (13 x 457mm;P120)	■
Fleece belt (13 x 457mm; medium)	■
Hexagonal Wrench	■
Oil bottles	■

**Product advantages**

- Powerful, compact band file for grinding, burnishing and deburring in difficult to reach places
- Tool-less sanding belt exchange and automatic belt tensioning
- Grinding attachment can be swivelled by 360° for perfect adaptation to any working position
- User-friendly exhaust guide through the handle avoids dust turbulence in the working area
- Safety lever prevents unintentional start of the machine
- Suitable for sanding belts 13 x 457 mm.

**System components**

Accessories → 163



Technical data	Air Disc Sander DSX 150
Grinding plate Ø	150 mm
Operating pressure	6.2 bar
Air requirement	550 l/min
Speed (RPM)	12,000 /min
Working stroke	5 mm
Weight	1 kg

**Scope of delivery**

Order number	601558
EURO and ARO/Orion plug-in nipple 1/4"	■
Open-jawed spanner	■
Hexagonal Wrench	■
Oil bottles	■

**Product advantages**

- Ergonomic, insulated and light housing made from impact-proof plastic
- Compact dimensions for convenient one-hand operation
- For grinding flat and curved surfaces made from a range of different materials
- Infinitely adjustable rotation regulation for working with customised speeds for the materials used
- Sound-proofed air outlet for reduced noise operation
- Suitable for wet and dry sanding/grinding
- Separate exhaust: connection option Ø 25 mm to external dust extraction
- 6-hole backing pad Ø 150 mm with cling-fit for use of currently available sandpapers

**System components**

Accessories → 310, 506



Technical data	Air Staple Gun / Nailer DKNG 40/50
Nail type	SKN
Nail length	15 - 50 mm
Staple type	90 + ES
Staple length	15 - 40 mm
Operating pressure	5 - 7 bar
Air requirement per impact	0.66 l
Weight	1.1 kg

**Scope of delivery**

Order number	601562
EURO and ARO/Orion plug-in nipple 1/4"	■
Oil bottles	■
Safety goggles	■
Plastic carry case	■

**Product advantages**

- For processing staples and nails
- For interiors, e.g. for fixing wall and ceiling panelling or for attaching strips
- For fixing tongue and groove boards, chipboards etc.
- Practical and lightweight for easy operation even in difficult to reach places
- Switching between staples and clinch head nails without conversion
- Contact fuse prevents unintentional triggering for the protection of the user
- Tool-free opening of the front cover for simple and rapid elimination of faults
- Ergonomic composite housing: insulated, non-slip and low vibration for comfortable work
- Rubberised handle for ergonomic and fatigue-free operation
- User-friendly, rotating exhaust guide: no dust turbulence in the working area

**System components**

Accessories → 496



Technical data	Air Staple Gun DKG 80/16	Air Staple Gun DKG 90/40	Air Staple Gun DKG 114/65
Staple type	80	90 + ES	114
Staple length	4 - 16 mm	13 - 40 mm	32 - 65 mm
Operating pressure	5 - 7 bar	5 - 7 bar	5 - 8 bar
Air requirement per impact	0.34 l	0.66 l	1.5 l
Weight	0.78 kg	0.93 kg	2.5 kg

Scope of delivery	601564	601566	601567
Order number	601564	601566	601567
EURO and ARO/Orion plug-in nipple 1/4"	■	■	■
Oil bottles	■	■	■
Safety goggles	■	■	■
Plastic carry case	■	■	■

- Product advantages**
- For fixing liners, materials, insulation material
  - Practical and lightweight for easy operation even in difficult to reach places
  - Ergonomic composite housing: insulated, non-slip and low vibration for comfortable work
  - For fixing slot and spring boards, chipboards etc.
  - Practical and lightweight for easy operation even in difficult to reach places
  - Protective rubber glove prevents damage to delicate surfaces
  - Ergonomic composite housing: insulated, non-slip and low vibration for comfortable work
  - Tool-free changeover from individual to series trigger
  - For interiors, e.g. for fixing wall and ceiling panelling or for attaching strips
  - Depth control via thumbwheel for accurate working results
  - Safety mechanism prevents unintentional trigger action for the protection of the user
  - Tool-free opening of the front cover for simple and rapid elimination of faults
  - User-friendly, rotating exhaust guide: no dust turbulence in the working area
  - For processing staples
  - Rubberised handle for ergonomic and fatigue-free operation

**System components**

Accessories → 496



Technical data	Air Pin Nailer DPN 25	Air Head Nailer DSN 50
Nail type	PN	SKN
Nail length	15 - 25 mm	15 - 50 mm
Operating pressure	4.5 - 7 bar	5 - 8 bar
Air requirement per impact	0.34 l	0.66 l
Weight	1 kg	0.92 kg

Scope of delivery	601563	601568
Order number	601563	601568
EURO and ARO/Orion plug-in nipple 1/4"	■	■
Oil bottles	■	■
Safety goggles	■	■
Plastic carry case	■	■

- Product advantages**
- For fixing skirtings, glass and ornamental mouldings
  - Protective rubber glove prevents damage to delicate surfaces
  - For interiors, e.g. for fixing wall and ceiling panelling or for attaching strips
  - Depth control via thumbwheel for accurate working results
  - Safety mechanism prevents unintentional trigger action for the protection of the user
  - Tool-free opening of the front cover for simple and rapid elimination of faults
  - User-friendly, rotating exhaust guide: no dust turbulence in the working area
  - For processing nails
  - Practical and lightweight for easy operation even in difficult to reach places
  - Ergonomic composite housing: insulated, non-slip and low vibration for comfortable work
  - Rubberised handle for ergonomic and fatigue-free operation

**System components**

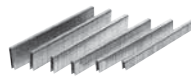
Accessories → 496

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Accessories for Staplers and Nailers


Staples

	Width mm	Overall length mm	Sales unit	Suitable for	Order number
	<ul style="list-style-type: none"> <li>■ Treated with resin</li> <li>■ Galvanized</li> </ul>				
	<b>Type 90, back width 5.8 mm/wire thickness 1.05 x 1.27 mm</b>				
90/15 CNK	5.8	15	2,000	Combi nailers Kombi 32, Kombi 40/50, KG 90/25, KG 90/40	0901053790
90/20 CNK	5.8	20	2,000	Combi nailers Kombi 32, Kombi 40/50, KG 90/25, KG 90/40	0901053804
90/25 CNK	5.8	25	2,000	Combi nailers Kombi 32, Kombi 40/50, KG 90/25, KG 90/40	0901053812
90/30 CNK	5.8	30	2,000	Combi 32, Combi 40/50, KG 90/40	0901053820
90/35 CNK	5.8	35	2,000	Combi 40/50, KG 90/40	0901053839
90/40 CNK	5.8	40	2,000	Combi 40/50, KG 90/40	0901053847
<b>Type 80, back width 12.8 mm/wire thickness 0.65 x 0.95 mm</b>					
80/06 CNK	12.8	6	3,000	KG 80/16, DKG 80/16	0901053855
80/08 CNK	12.8	8	3,000	KG 80/16, DKG 80/16	0901053863
80/10 CNK	12.8	10	3,000	KG 80/16, DKG 80/16	0901053871
80/12 CNK	12.8	12	3,000	KG 80/16, DKG 80/16	0901053880
80/14 CNK	12.8	14	3,000	KG 80/16, DKG 80/16	0901053898
80/16 CNK	12.8	16	3,000	KG 80/16, DKG 80/16	0901053901
<b>Type 114, back width 10.8 mm/wire thickness 1.60 x 1.40 mm</b>					
114/35 CNK	10.8	35	10,000	DKG 114/65	628870000
114/40 CNK	10.8	40	10,000	DKG 114/65	628871000
114/45 CNK	10.8	45	10,000	DKG 114/65	628872000
114/50 CNK	10.8	50	10,000	DKG 114/65	628873000
114/65 CNK	10.8	65	10,000	DKG 114/65	628874000

Clinch head nails

	<ul style="list-style-type: none"> <li>■ Galvanized</li> <li>■ Wire thickness 0.9 x 1.2 mm</li> </ul>				
	Overall length mm	Sales Unit	Suitable for	Order number	
CHN 16 NK	16	1,000	Combi 32, Combi 40/50, SKN 50, DSN 50	0901053715	
CHN 20 NK	20	1,000	Combi 32, Combi 40/50, SKN 50, DSN 50	0901053723	
CHN 25 NK	25	1,000	Combi 32, Combi 40/50, SKN 50, DSN 50	0901053731	
CHN 30 NK	30	1,000	Combi 32, Combi 40/50, SKN 50, DSN 50	0901053740	
CHN 35 NK	35	1,000	Combi 40/50, SKN 50, DSN 50	0901053758	
CHN 40 NK	40	1,000	Combi 40/50, SKN 50, DSN 50	0901053766	
CHN 45 NK	45	1,000	Combi 40/50, SKN 50, DSN 50	0901053774	
CHN 50 NK	50	1,000	Combi 40/50, SKN 50, DSN 50	0901053782	

Pin nails

	<ul style="list-style-type: none"> <li>■ Galvanized</li> <li>■ Wire thickness 0.64 x 0.64 mm</li> </ul>				
	Overall Length mm	Sales unit	Suitable for	Order number	
PN 15 NK	15	10.000	DPN 25	628860000	
PN 18 NK	18	10.000	DPN 25	628861000	
PN 22 NK	22	10.000	DPN 25	628862000	
PN 25 NK	25	10.000	DPN 25	628863000	



Technical data	Paint Spray Gun FSP 100	Paint Spray Gun FSP 600	Paint Spray Gun FSP 1000 S
Operating pressure	3.5 bar	4.5 bar	4.5 bar
Air requirement	50 - 100 l/min	240 l/min	240 l/min
Weight	0.2 kg	0.6 kg	0.7 kg

Scope of delivery	601574	601575	601576
Order number			
EURO and ARO/Orion plug-in nipple 1/4"	■	■	■
Plastic flow bowl, 0.1 l	■		
Plastic flow bowl, 0.6 l		■	
Nozzle Ø 1.5 mm		■	■
Round spray nozzle Ø 1 mm	■		
Metal suction cap 1 l			■

Product advantages	601574	601575	601576
<ul style="list-style-type: none"> <li>■ Compact, very handy paint spray gun for small areas, ideal for correction work</li> </ul>			
<ul style="list-style-type: none"> <li>■ Infinitely adjustable for circular and wide spray</li> <li>■ Air and paint volume regulation: accurate, even and high application of paint for excellent results</li> </ul>			
<ul style="list-style-type: none"> <li>■ Infinitely adjustable for circular and wide spray</li> <li>■ Air and paint volume regulation: accurate, even and high application of paint for excellent results</li> </ul>			

System components

Accessories → 499

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Technical data	Paint Spray Gun FSP 600 HVLP	Paint Spray Gun FSP 600 LVLP
Operating pressure	2 bar	1.6 bar
Air requirement	170 l/min	136 l/min
Weight	0.7 kg	0.7 kg

Scope of delivery	601577	601578
Order number	601577	601578
EURO and ARO/Orion plug-in nipple 1/4"	■	■
Plastic flow bowl, 0.6 l	■	■
Cleaning brush	■	■
Assembly key	■	■
Filter	■	■
Nozzle Ø 1.3 mm	■	■

- Product advantages**
- HVLP (High Volume, Low Pressure): min. working pressure 0.7 bar at the nozzle kit, transfer rate approximately 70%. Low overspray, maximum transfer efficiency with low air consumption
  - LVL (Low Volume Low Pressure): min. working pressure 0.7 bar at the nozzle kit, transfer rate approximately 73%. Low overspray, maximum transfer efficiency with very low air consumption
  - Infinitely adjustable for circular and wide spray
  - Easy to clean, for the highest precision and service life
  - Nozzle kit made from stainless steel, suitable for use with water-soluble materials and materials containing solvents

Accessories for paint spray guns



**Nozzle sets for paint spray guns**  
 ■ Consisting of spray head, paint nozzle, colour needle and gasket. Nozzle sets for paint spray gun 600 HVLP/ LVLP without additional gasket.

Diameter mm	Suitable for	Order number
1.2	FB 150, SB 200, FSP 600, FSP 1000 S	0901026858*
1.5	FB 150, SB 200, FSP 600, FSP 1000 S	0901026866*
2	FB 150, SB 200, FSP 600, FSP 1000 S	0901026882*
2.5	FB 150, SB 200, FSP 600, FSP 1000 S	0901026904*
1.3	FSP 600 HVLP	628807000*
1.5	FSP 600 HVLP	628808000*
1.8	FSP 600 HVLP	628809000*
2	FSP 600 HVLP	628810000*
1.3	FSP 600 LVLP	628811000*
1.5	FSP 600 LVLP	628812000*
1.8	FSP 600 LVLP	628813000*
2	FSP 600 LVLP	628814000*

	Order number
<b>Spare plastic flow bowl</b> suitable for: FSP 600 HVLP, FSP 600 LVLP	628815000*
<b>10 Spare filters FSP 600 HVLP / FSP 600 LVLP</b> ■ Plastic paint sieve for flow bowl 6.28215 of the paint spray guns FSP 600 HVLP/ LVLP suitable for: FSP 600 HVLP, FSP 600 LVLP	628806000*

Recommended nozzle diameter for individual application	FSP 100	FSP 600	FSP 1000 S	FSP 600 HVLP	FSP 600 LVLP
Primer	-	1.5/2.0/2.5	1.5/2.0/2.5	1.5/1.8/2.0	1.5/1.8/2.0
Spatula	-	2.0/2.5	2.0/2.5	2.0	2.0
Filler	-	1.5	1.5	1.3/1.5/1.8	1.3/1.5/1.8
Single stage paint	1.0	1.2/1.5	1.2/1.5	1.3/1.5	1.3/1.5
Metallic paint	-	1.2/1.5	1.2/1.5	1.3/1.5	1.3/1.5
Clear coat	-	1.2/1.5	1.2/1.5	1.3/1.5	1.3/1.5
Water-based paint	-	-	-	1.3/1.5/1.8/2.0	1.3/1.5/1.8/2.0

System components

Accessories → 496

\*Self-service packaging

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Technical data	
<b>Sand Blasting Gun SSP 1000</b>	
Operating Pressure	7 bar
Air Requirement	300 l/min
Weight	0.55 kg

Scope of delivery	
Order number	601569
EURO and ARO/Orion plug-in nipple 1/4"	■
Metal suction cap and hardened spray nozzle	■

- Product advantages**
- Sand blaster gun for the removal of rust and paint residue in corners, in joints and on smaller surface areas
  - For use on all current steel meaning universal use, ideal for small areas
  - Jet nozzle made from hardened steel for a long service life



Technical data	
<b>Spray Gun SPP 1000</b>	
Operating pressure	6 bar
Air requirement	200 l/min
Weight	0.62 kg

Scope of delivery	
Order number	601570
EURO and ARO/Orion plug-in nipple 1/4"	■
Metal suction cap 1 l	■

- Product advantages**
- Spray gun for a wide range of applications: spraying cold cleaners, detergents and spray oils
  - Suction cup with large mouth, easy to fill and clean



Technical data	
<b>Combi Spray Gun UBS 1000</b>	
Operating pressure	6 bar
Air requirement	180 l/min
Weight	0.4 kg

Scope of delivery	
Order number	601571
EURO and ARO/Orion plug-in nipple 1/4"	■

- Product advantages**
- Spray gun for cavity sealing and underfloor protection, compatible with usual screw cartridges (1l)

**System components**

Accessories → 506



Technical data	
<b>Air Cartridge Gun DKP 310</b>	
Operating pressure	6 bar
Air requirement	65 l/min
Weight	0.46 kg

Scope of delivery	
Order number	601573
EURO and ARO/Orion plug-in nipple 1/4"	■

- Product advantages**
- Automatic: continuous material flow as long as trigger guard is activated: uniform flow at required rate
  - No material dripping for clean and effective operation
  - Uses ordinary cartridges (310 ml)



Technical data	
<b>Air Grease Gun DFP 400</b>	
Operating pressure	2 - 10 bar
Air requirement per stroke	0.4 l
Weight	1.55 kg

Scope of delivery	
Order number	601572
EURO and ARO/Orion plug-in nipple 1/4"	■
Rigid grease tube (17 cm)	■
Flexible grease hose 46 cm (18")	■

- Product advantages**
- Automatic: continuous material flow as long as trigger guard is activated; uniform flow at required rate
  - No material dripping for clean and effective operation
  - With a rigid and flexible connection including grease nipple for best reachability and simple handling
  - For filling from external grease containers or for use with ordinary cartridges (400g)

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Technical data	Tyre Inflation & Pressure Gauge RF 60	Tyre Inflation & Pressure Gauge RF 60 G
Operating Pressure	0.5 - 12 bar	0.5 - 10 bar
Hose length	35 cm	35 cm
Weight	0.45 kg	0.45 kg

Scope of delivery	602233	602234
Order number	602233	602234
EURO and ARO/Orion plug-in nipple 1/4"	■	■
Tyre inflation plug in nipple and ball hollow needle	■	

- Product advantages**
- Officially calibrated (including calibration fee) for use in commercial operations
  - For testing and inflating tyres
  - With torque plug
  - Manometer with rubber shroud to protect against damage



Technical data	Tyre Inflation & Pressure Gauge RF 80 G	Tyre Inflation Unit with Pressure Gauge RF 80 D
Operating pressure	0.5 - 10 bar	0.5 - 12 bar
Hose length	100 cm	100 cm
Weight	0.55 kg	0.55 kg









Scope of delivery	602235	602236
Order number	602235	602236
EURO and ARO/Orion plug-in nipple 1/4"	■	■

- Product advantages**
- Officially calibrated (including calibration fee) for use in commercial operations
  - Digital, illuminated manometer for the highest accuracy
  - Switchable display units: PSI, BAR, Kpa, kg/cm<sup>2</sup>
  - For testing and inflating tyres
  - Ergonomic composite housing: insulated non-slip and low vibration for comfortable work
  - Easy operation with precision manometer, overpressure safe
  - Handle with non-slip soft-grip surface
  - With torque plug
  - Large manometer Ø 80 mm for good readability
  - Manometer with rubber shroud to protect against damage

**System components**

Accessories → 503

Accessories for tyre inflators complete with pressure gauges

	Order number
 Adapter for bicycle valve	0901026262*
 Adapter for ball hollow needle	0901031550*
 Valve set, 3-piece Consisting of bicycle valve adapter, ball adapter and adapter for air mattress	0901055769*
 Lever connector with clip (as spare)	7710672339
 Connecting hose (as spare); male thread: 1/4"	0901026661*
 Connecting hose with lever connector (as spare)	1001672319
 Manometer Ø 80 mm (1-10 bar) With protecting cap; calibrated; for RF 480	7823672327
 Manometer tyre-inflator (as spare); e.g. for RF 100	0901026815*

\*Self-service packaging

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Technical data	Blow Gun BP 10	Blow Gun BP 210
Operating pressure	2 - 6 bar	2 - 6 bar
Air requirement	100 - 200 l/min	100 - 200 l/min
Weight	0.1 kg	0.14 kg

Scope of delivery	601579000	601579180	601580000	601580180
EURO Plug-in nipple 1/4"	■		■	
ARO/Orion Plug-in nipple 1/4"		■		■
Extension 210 mm			■	■

**Product advantages** ■ Light, robust housing made from cast aluminium



Technical data	Blow Gun BP 200	Blow Gun BP 500
Operating pressure	3 - 8 bar	3 - 8 bar
Air requirement	130 - 350 l/min	130 - 350 l/min
Weight	0.14 kg	0.16 kg

Scope of delivery	601581000	601581180	601582000	601582180
EURO Plug-in nipple 1/4"	■		■	
ARO/Orion Plug-in nipple 1/4"		■		■
Rubber-coated nozzle tip	■	■		
Extension 500 mm			■	■

**Product advantages** ■ Ergonomic, insulated and lightweight housing made from impact-proof plastic  
 ■ Air volume can be regulated for application-specific operation  
 ■ Practical and lightweight for easy operation even in difficult to reach places



Technical data	Blow Gun Aluminium BPA 15	Blow Gun Aluminium BPA 15 S
Operating pressure	2 - 6 bar	4 - 6 bar
Air requirement	295 l/min	335 l/min
Weight	0.26 kg	0.28 kg

Scope of delivery	601583000	601583180	601584000	601584180
EURO Plug-in nipple 1/4"	■		■	
ARO/Orion Plug-in nipple 1/4"		■		■
Safety and noise damping nozzle			■	■
Short nozzle	■	■		

**Product advantages** ■ Safety nozzle for safe operation  
 ■ Light, robust housing made from cast aluminium  
 ■ Air volume can be regulated for application-specific operation



Technical data	Air Tool Set LPZ 4 Set	Air Tool Set LPZ 7 Set
Operating pressure	3 - 8 bar	3 - 8 bar
Air requirement	130 - 350 l/min	130 - 350 l/min
Weight	0.14 kg	0.16 kg

Scope of delivery	601585000	601585180	601586000	601586180
EURO Plug-in nipple 1/4"	■		■	
ARO/Orion Plug-in nipple 1/4"		■		■


**Product advantages** ■ Set consists of blow gun, tyre inflating measuring device, paint spray gun with gravity flow cup and PA spiral hose  
 ■ Set consists of blow gun, tyre inflating measuring device incl. adapter and ball needle, paint spray gun with gravity flow cup and PA spiral hose

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Accessories for large diameter saws

	Order number
 Saw blades 14 teeth (10 pieces)	0901063087*
 Saw blades 24 teeth (10 pieces)	0901063095*
 Saw blades 32 teeth (10 pieces)	0901063109*


Accessories for Die Grinders

	Order number
 Collet 8 mm for DG 700 / DG 700 L	628823000


Accessories for Disc Sanders

	Order number
 Spare grinding disc for ES 7700 / DSX 150	1319706247


Accessories for sandblasting guns

	Order number
 <b>Sand Blasting Abrasive</b> <ul style="list-style-type: none"> <li>■ Grit 0.2 - 0.5 mm</li> <li>■ Canister content 8 kg</li> <li>■ Aluminium silicate glass melt</li> </ul>	0901064423
Spare pipe for sandblasting gun	0901026408


General accessories for compressed air tools


	Order number
 Special oil 0.5 litres for compressed air tools mineral	0901008540


Accessories for Compressors

Oils		Order number
	Compressor oil, 1 litre, for piston condenser mineral	0901004170

Compressed Air Preparation

Maintenance units			
	<ul style="list-style-type: none"> <li>■ Consisting of filter controller FR and lubricator L</li> <li>■ Wall Mounting; control panel installation and pipe installation possible</li> </ul>		
	Connecting thread	Maximum inlet pressure bar	Order number
Maintenance unit FRL-180	1/4"	12	0901063869
Maintenance unit FRL-200	1/2"	14	0901063850
			With connection adapter for 3/8" and 1/4"

Filter controller			
	<ul style="list-style-type: none"> <li>■ Wall mounting; control panel installation and pipe installation possible</li> </ul>		
	Connecting thread	Maximum inlet pressure bar	Order number
Filter controller FR-180	1/4"	12	0901063877
Filter controller FR-200	1/2"	14	0901063885
			With connection adapter for 3/8" and 1/4"

Controller			
	<ul style="list-style-type: none"> <li>■ Wall mounting; control panel installation and pipe installation possible</li> </ul>		
	Connecting thread	Maximum inlet pressure bar	Order number
Controller R-180	1/4"	12	0901063834
Controller R-200	1/2"	14	0901063826
			With connection adapter for 3/8" and 1/4"

\*Self-service packaging

Filter



- Wall mounting: control panel installation and pipe installation possible

	Connecting thread	Maximum inlet pressure bar	Order number
Filter F-180	1/4"	12	0901063818
Filter F-200	1/2"	14	0901063800

Lubricator



- Wall mounting: control panel installation and pipe installation possible

	Connecting thread	Maximum inlet pressure bar	Order number
Lubricator L-180	1/4"	12	0901063796
Lubricator L-200	1/2"	14	0901063788

Line lubricator



	Connecting thread	Order number
Line lubricator R 1/4" female thread	1/4"	0901054584

Oils



Special oil 0.5 litres for compressed air tools mineral

Order number
0901008540




Pipe System

Compressed air lines



Exterior Ø mm	Internal Ø mm	Length m	Material	Version	Order number
15	12	25	Plastic	flexible (rolls)	7851194171
22	18	25	Plastic	flexible (rolls)	7851194180

Distributors

	Order number
 Wall disc Plastic	7876194001
 Diffuser can Brass thread Without locking screw	0901059691
 Locking screw 1/2" Galvanised	6109079322




Connections



- with male thread

Diameter mm	Connecting thread	Material	Order number
22	3/4"	Plastic	7876193943
15	1/2"	Plastic	7876193951

Plug connectors

	Diameter mm	With water separator	Material	Order number
 T-plug connector	15		Plastic	7876194010
	22		Plastic	7876194028
	22	•	Plastic	7876615287
 Angle plug connector	15		Plastic	7876194060
	22		Plastic	7876194079
	Straight plug connectors			
	15		Plastic	7876194125
	22		Plastic	7876194133

Pipe socket



Diameter mm	Connecting thread	Material	Order number
15	1/2"	Plastic	7876193978
22	1/2"	Plastic	7876193986
22	3/4"	Plastic	7876193994

Air cocks



Diameter mm	Connecting thread	Order number
15	1/2"	0901059489
22	3/4"	0901059500

Locking rings



Diameter mm	Material	Order number
22	Plastic	7876194117

Tubular joints



Diameter mm	Material	Order number
15	Plastic	7876693610
22	Plastic	7876693628

Pipe cutter



**Pipe Cutter**  
Maximum diameter: 28 mm

Order number
9109691680

Compressed-Air Hoses

Compressed-air hoses with fabric insert



- For all normal applications

Length m	Internal Ø mm	Exterior Ø mm	Maximum pressure bar	Profile	Version	Order number
5	6	11	20	Euro	With quick-action coupling and nipple	0901054908
10	6	11	20	Euro	With quick-action coupling and nipple	0901054916
10	9	14	20	Euro	With quick-action coupling and nipple	0901054924
50	9	14	20	-	rolls	0901054932
50	12.5	18	12	-	rolls	0901056161

SUPER-AIR compressed-air hoses



- Very flexible hose, even at low temperatures
- Resistant against compressed air containing oil

Length m	Internal Ø mm	Exterior Ø mm	Maximum pressure bar	Profile	Version	Order number
10	6.3	11	20	Euro	With quick-action coupling and nipple	0901056048
10	10	15.5	20	Euro	With quick-action coupling and nipple	0901056056
50	10	15.5	20	-	rolls	0901057303

Spiral hoses, Rilsan



Length m	Internal Ø mm	Exterior Ø mm	Maximum pressure bar	Profile	Version	Order number
5	6	8	8	Euro	With quick-action coupling and nipple	0901054940
7.5	6	8	8	Euro	With quick-action coupling and nipple	0901054959
10	8	10	8	Euro	With quick-action coupling and nipple	0901054967





Spiral hose, polyurethane







- Highly elastic special hose for professional applications
- No permanent reduction of area due to kinks
- Non-abrasive

Length m	Internal Ø mm	Exterior Ø mm	Maximum pressure bar	Profile	Version	Order number
6	8	12	8	Euro	With quick-action coupling and nipple	0901062145




Hose drums		Order number
 <p><b>Hose recoiler SA 100</b></p> <ul style="list-style-type: none"> <li>With 20 m compressed-air hoses with fabric insert</li> <li>Quick connection coupling 1/4" Euro and plug-in nipple 1/4"</li> </ul> <p>Length: 20 m Internal Ø: 9 mm External Ø: 15 mm Max. pressure: 15 bar Weight: 4 kg</p>		0901054975
 <p><b>Hose drum ST 200</b></p> <ul style="list-style-type: none"> <li>With 30 m highly flexible PU hose</li> <li>Quick connection coupling 1/4" Universal and plug-in nipple 1/4" (Euro, ARO and ISO)</li> <li>360° rotating</li> </ul> <p>Length: 30 m Internal Ø: 8.5 mm External Ø: 12.5 mm Max. pressure: 12 bar Weight: 8 kg</p>		0901054568
 <p><b>Hose recoiler SA 250</b></p> <ul style="list-style-type: none"> <li>With 8 m highly flexible PU hose</li> <li>Quick connection coupling 1/4" Universal and plug-in nipple 1/4" (Euro, ARO and ISO)</li> <li>Automatic function: lock and recoil simply by pulling the hose.</li> <li>With wall and ceiling mounting brackets</li> <li>Plastic sleeve</li> </ul> <p>Length: 8 m Internal Ø: 8 mm External Ø: 12 mm Max. pressure: 15 bar Weight: 2.9 kg</p>		628820000
 <p><b>Hose recoiler SA 300</b></p> <ul style="list-style-type: none"> <li>With 15 m highly flexible PU hose</li> <li>Quick connection coupling 1/4" Universal and plug-in nipple 1/4" (Euro, ARO and ISO)</li> <li>Automatic function: lock and recoil simply by pulling the hose.</li> <li>With wall and ceiling mounting brackets</li> <li>Metal housing</li> </ul> <p>Length: 15 m Internal Ø: 8 mm External Ø: 12 mm Max. pressure: 12 bar Weight: 8.57 kg</p>		0901063427


**Brass Parts**

Compressed Air Distributor						
	Version	Connecting size	Profile	Packaging	Sales unit	Order number
	Female thread	3/8"	Euro	Self-service packaging	1	0901026645*
	Female thread	3/8"	Euro	Self-service packaging	1	0901026653*
	Female thread	3/8"	-	Self-service packaging	1	628759000*
	Female thread	3/8"	-	Self-service packaging	1	628760000*

**Quick connection couplings Euro**

		Version	Connecting size	Packaging	Sales unit	Order number
		Male thread	1/4"	Self-service packaging	1	0901031517*
		Male thread	3/8"	Self-service packaging	1	0901025894*
		Male thread	1/2"	Self-service packaging	1	0901025908*
		Female thread	1/4"	Self-service packaging	1	0901025916*
		Female thread	3/8"	Self-service packaging	1	0901025924*
		Female thread	1/2"	Self-service packaging	1	0901025932*
		with spout	6 mm	Self-service packaging	1	0901025940*
		with spout	9 mm	Self-service packaging	1	0901026351*
		with spout	13 mm	Self-service packaging	1	0901026360*
		Male thread	1/4"	Loose	1	7802009083
		Male thread	3/8"	Loose	1	7802009091
		Male thread	1/2"	Loose	1	7802009105
		with spout	6 mm	Loose	1	7800009035
		with spout	9 mm	Loose	1	7800009043
		with spout	13 mm	Loose	1	7800009558
		Female thread	1/4"	Loose	1	7801009055
		Female thread	3/8"	Loose	1	7801009063
		Female thread	1/2"	Loose	1	7801009071

**Quick connection couplings UNI**

		Version	Connecting size	Packaging	Sales unit	Order number
		Male thread	1/4"	Self-service packaging	1	628700000*
		Male thread	3/8"	Self-service packaging	1	628701000*
		Male thread	1/2"	Self-service packaging	1	628702000*
		Female thread	1/4"	Self-service packaging	1	628703000*
		Female thread	3/8"	Self-service packaging	1	628704000*
		Female thread	1/2"	Self-service packaging	1	628705000*
		with spout	6 mm	Self-service packaging	1	628706000*
		with spout	9 mm	Self-service packaging	1	628707000*
		with spout	13 mm	Self-service packaging	1	628708000*

\*Self-service packaging

Plug-in nipple Euro



Version	Connecting size	Packaging	Sales unit	Order number
Male thread	1/4"	Self-service packaging	1	0901025983*
Male thread	3/8"	Self-service packaging	1	0901025991*
Male thread	1/2"	Self-service packaging	1	628736000*
Female thread	1/4"	Self-service packaging	1	0901026017*
Female thread	3/8"	Self-service packaging	1	0901026025*
Female thread	1/2"	Self-service packaging	1	628737000*
with spout	6 mm	Self-service packaging	1	0901025959*
with spout	6 mm	Self-service packaging	1	0901025967*
with spout	13 mm	Self-service packaging	1	0901025975*
Male thread	3/8"	Loose	1	7803009133
Male thread	1/2"	Loose	1	628738000
Female thread	3/8"	Loose	1	7803009141
Female thread	1/2"	Loose	1	628739000
with spout	6 mm	Loose	1	7804065606
with spout	9 mm	Loose	1	7804009161
with spout	13 mm	Loose	1	7804010372
Male thread	1/4"	Loose	1	7803009117
Female thread	1/4"	Loose	1	7803009125

Plug-in nipple ARO



Version	Connecting size	Packaging	Sales unit	Order number
Male thread	1/4"	Self-service packaging	1	628730000*
Male thread	3/8"	Self-service packaging	1	628731000*
Male thread	1/2"	Self-service packaging	1	628734000*
Female thread	1/4"	Self-service packaging	1	628732000*
Female thread	3/8"	Self-service packaging	1	628733000*
Female thread	1/2"	Self-service packaging	1	628735000*
with spout	6 mm	Self-service packaging	1	628720000*
with spout	9 mm	Self-service packaging	1	628721000*
with spout	13 mm	Self-service packaging	1	628722000*

Plug-in nipple ISO



Version	Connecting size	Packaging	Sales unit	Order number
Male thread	1/4"	Self-service packaging	1	628747000*
Male thread	3/8"	Self-service packaging	1	628748000*
Male thread	1/2"	Self-service packaging	1	628749000*
Female thread	1/4"	Self-service packaging	1	628754000*
Female thread	3/8"	Self-service packaging	1	628755000*
Female thread	1/2"	Self-service packaging	1	628756000*
with spout	6 mm	Self-service packaging	1	628740000*
with spout	9 mm	Self-service packaging	1	628741000*
with spout	13 mm	Self-service packaging	1	628746000*

\*Self-service packaging

Double nipple



Version	Connecting size	Packaging	Sales unit	Order number
Male thread x male thread	1/4" x 1/4"	Self-service packaging	1	0901026130*
Male thread x male thread	3/8" x 3/8"	Self-service packaging	1	0901026149*
Male thread x male thread	1/2" x 1/2"	Self-service packaging	1	0901026157*

Reducing double nipple



Version	Connecting size	Packaging	Sales unit	Order number
Male thread x male thread	1/4" x 3/8"	Self-service packaging	1	0901026173*
Male thread x male thread	1/4" x 1/2"	Self-service packaging	1	0901026190*
Male thread x male thread	3/8" x 1/2"	Self-service packaging	1	0901026203*
Male thread x male thread	1/8" x 1/4"	Loose	1	7808009247

Reducers



Version	Connecting size	Packaging	Sales unit	Order number
Female thread x male thread	1/4" x 3/8"	Self-service packaging	1	0901026220*
Female thread x male thread	1/4" x 1/2"	Self-service packaging	1	0901026238*
Female thread x male thread	3/8" x 1/2"	Self-service packaging	1	0901026246*
Female thread x male thread	1/2" x 3/4"	Self-service packaging	1	0901026254*
Female thread x male thread	1/8" x 1/4"	Loose	1	7809009275
Female thread x male thread	1/4" x 3/8"	Loose	1	7809009283
Female thread x male thread	1/4" x 1/2"	Loose	1	7809035764
Female thread x male thread	3/8" x 1/2"	Loose	1	7809009291

Hose nozzles





Version	Connecting size	Packaging	Sales unit	Order number
Male thread x sleeve	1/4" x 6 mm	Self-service packaging	1	0901026041*
Male thread x sleeve	1/4" x 9 mm	Self-service packaging	1	0901026068*
Male thread x sleeve	3/8" x 6 mm	Self-service packaging	1	0901026050*
Male thread x sleeve	3/8" x 9 mm	Self-service packaging	1	0901026076*
Female thread x sleeve	1/4" x 6 mm	Self-service packaging	1	0901026084*
Female thread x sleeve	1/4" x 9 mm	Self-service packaging	1	0901026092*
Female thread x sleeve	3/8" x 6 mm	Self-service packaging	1	0901026289*
Female thread x sleeve	3/8" x 9 mm	Self-service packaging	1	0901026106*
Male thread x sleeve	1/4" x 13 mm	Loose	1	7805033767
Male thread x sleeve	1/2" x 13 mm	Loose	1	7805009300

Hose connection sleeve



Version	Connecting size	Packaging	Sales Unit	Order number
Sleeve x sleeve	6 mm x 6 mm	Self-service packaging	1	0901026378*
Sleeve x sleeve	9 mm x 9 mm	Self-service packaging	1	0901026386*

Clamps

	From Ø mm	To Ø mm	Packaging	Sales unit	Order number
<b>Screw clamps</b>					
	9.5	11.5	Self-service packaging	5	0901026777*
	12	20	Self-service packaging	5	0901026807*
<b>Screw clamps</b>					
	11	13	Self-service packaging	5	0901054983*
	13	15	Self-service packaging	5	0901054991*

Fabric sealing tape



**Fabric sealing tape**  
 ■ Seals without hemp or sealing paste  
 ■ For metal and plastic threaded joints  
 Length on roll: 12 m

Order number  
 0901026319\*



# Water and Pump Technology

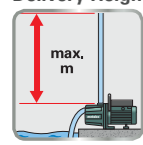
### Drainage: Which pump for which application?

	Clear Water							Dirty Water								
	Clear Water Submersible Pumps							Combi Pumps		Construction and Dirty Water Pumps				Dirty Water Submersible Pumps		
	TP 6600	TPF 6600 SN	TPF 7000 S	TP 7500 SI	TP 8000 S	TP 12000 SI	TP 13000 S	TPS 14000 S Combi	TPS 16000 S Combi	DP 18-5 SA	DP 28-10 S Inox	SP 24-46 SG	SP 28-50 S Inox	PS 7500 S	PS 15000 S	PS 18000 SN
Pumping, recirculation of clear water from containers, pools, ponds etc.	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Pumping out, recirculation of dirty water								■	■	■	■	■	■	■	■	■
Low-intake suction		■	■	■		■		■	■							
Minimal residual water level after pumping out (mm)	7	2	2	2	7	2	4	3	3	22	28	41	48	34	39	48
Shaft drainage (depending on the size of the shaft)								■	■	■	■	■	■	■	■	■
Drainage of clear water from cellars/ ponds	■	■	■	■	■	■	■	■	■							
Drainage of very dirty water from cellars/ ponds										■	■					
Pumping dry construction pits and flooded areas										■	■	■	■			
High water protection								■	■	■	■	■	■			
Fire and water restoration								■	■	■	■	■	■			
Agricultural use										■	■	■	■			
Industrial use												■	■			

### Irrigation: Which pump for which application?

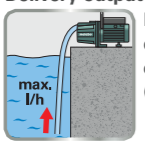
	Irrigation						Household water supply																	
	Garden Pumps			Submersible Pressure Pump	Deep Well Pumps	Domestic Water Pumps							Domestic Water Systems											
	P 2000 G	P 3300 G	P 4000 G	P 4500 Inox	P 6000 Inox	P 9000G	TDP 7501 S	TBP 4000 M	TBP 5000 M	HWW 3300/25 G	HWW 3500/25 Inox	HWW 3500/25 Inox	HWW 4000/25 G	HWW 4500/25 Inox	HWW 4500/25 Inox Plus	HWW 4500/25 Inox	HWW 6000/25 Inox	HWW 6000/50 Inox	HWW 9000/100 G	HWA 3500 Inox	HWA 4500 Inox	HWA 6000 Inox		
Groundwater Pumping	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Garden Irrigation	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Garden irrigation: Number of possible attachments (e.g. sprinkler, showers)	2	2	2	3	4	6	3	3	3	2	2	2	3	3	3	3	4	4	6	2	3	4		
Pumping, pumping out, recirculation of clear water	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Automatic Domestic Water Supply										■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Pumping of water from wells, deeper springs							■	■	■															
Pumping of water from greater depths e.g. bore holes / shafts min. Ø 100 mm								■	■															
Pressure increase										■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Automatic water supply in the agricultural area																				■				

**Delivery Height**



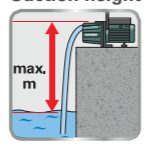
Maximum height to which the water is pumped upwards vertically in a hose (10 m corresponds to 1 bar pressure)

**Delivery output / delivery rate**



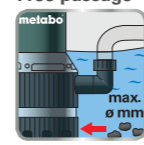
Maximum water quantity that can be pumped. (l/h or l/min)

**Suction height**



Difference in height between water level and pump

**Free passage**

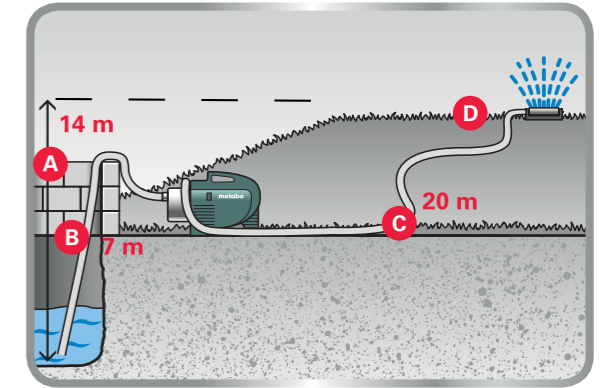


Max. grain / particle size that can be processed by the pump

### Calculation of the required delivery output and the required pressure.

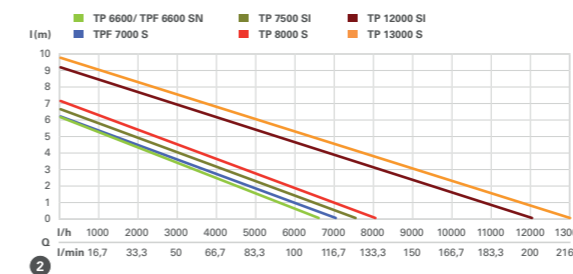
Calculation example for required pressure			Calculation
<b>A</b>	Delivery Height	14 m : 10 =	1.4
	Suction height + pressure head (10 m = 1 bar)		+
<b>B</b>	Length suction hose	7 m x 0,005 =	0,035
	(Calculation friction loss with a hose Ø 1"= 0.005)		+
<b>C</b>	Length pressure hose	20 m x 0,015 =	0.3
	(Calculation friction loss with a hose Ø 3/4"= 0.015)		+
	Required minimum pressure in general		2 bar
			=
<b>1</b>	Required minimum pressure in total:		3.7 bar

Calculation example required amount of water			Calculation
<b>D</b>	Delivery rate	(Water requirements of all connected consumers, e.g. sprinkler, toilet)	700 l/h
			+
	Water requirements house	(Estimate 1 house with 5 persons)	2,000 l/h
			=
<b>2</b>	Required amount of water in total:		2,700 l/h

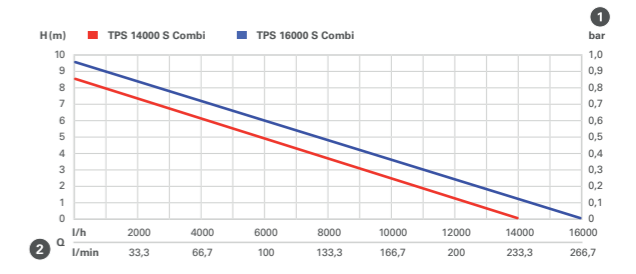


### Pump characteristics

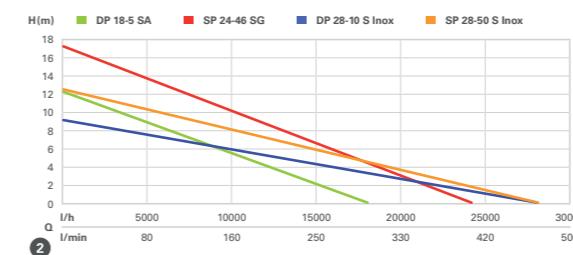
#### Clear Water Submersible Pumps



#### Combi Submersible Pumps



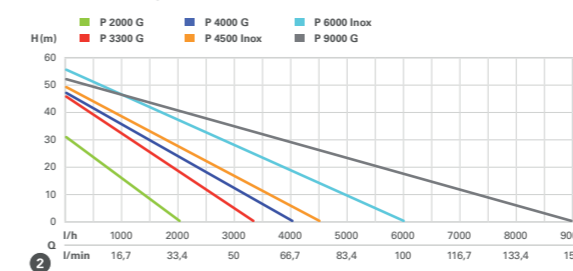
#### Construction and Dirty Water Pumps



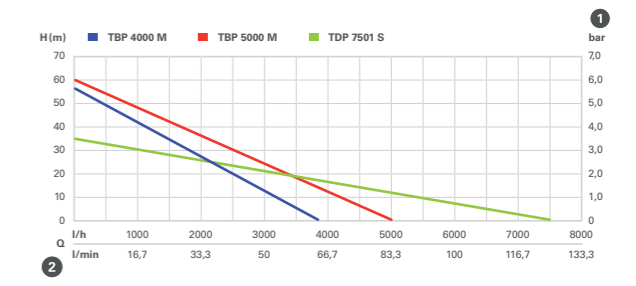
#### Dirty Water Submersible Pumps



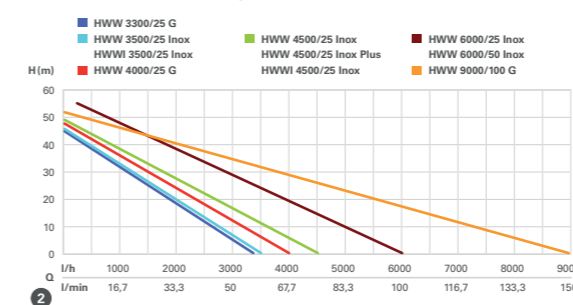
#### Garden Pumps



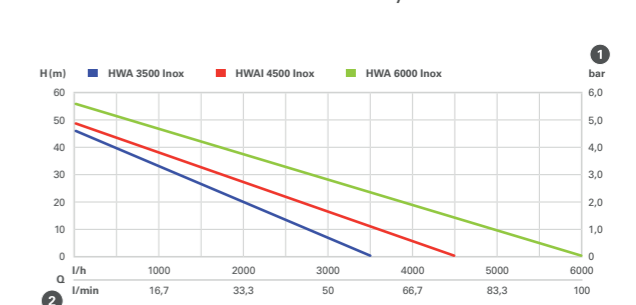
#### Deep Well Pumps / Submersible Pressure Pumps



#### Domestic Water Pumps



#### Domestic Water Works Automatic Systems





Technical data	Clear Water Submersible Pump TP 6600	Clear Water Submersible Pump TP 8000 S	Clear Water Submersible Pump TP 13000 S
Rated input power	250 W	350 W	550 W
Maximum delivery rate	6,600 l/h	8,000 l/h	13,000 l/h
Maximum delivery height	6 m	7 m	9.5 m
Maximum immersion depth	5 m	5 m	5 m
Maximum pressure	0.6 bar	0.7 bar	0.95 bar
Discharge port	1 1/4" Female Thread	1 1/4" Female Thread	1 1/4" Female Thread
Pump housing	Plastic	Plastic	Plastic
Number of impellers	1	1	1
Weight	4.3 kg	4.3 kg	5 kg
Cable length	10 m	10 m	10 m

Scope of delivery			
Order number	0250660000	0250800000	0251300000
Angle connection piece with multi-adapter	■	■	■
Float switch		■	■

- Product advantages**
- Adjustable float switch for automatic mode
  - Adjustable float switch for automatic mode
  - For pumping out, pumping dry and recycling fresh water from containers, tanks, tanks or flooded cellars
  - For garden irrigation from water reservoirs
  - Overload protection: protects the motor from overheating
  - Robust housing made of impact-proof plastic
  - Ergonomic handle for comfortable transport



Technical data	Flat-suction Clear Water Submersible Pump TPF 6600 SN	Flat-suction Clear Water Submersible Pump TPF 7000 S
Rated input power	450 W	450 W
Maximum delivery rate	6,600 l/h	7,000 l/h
Maximum delivery height	6 m	6 m
Maximum immersion depth	5 m	5 m
Maximum pressure	0.6 bar	0.6 bar
Discharge port	1 1/4" Female Thread	1 1/4" Female Thread
Pump housing	Stainless steel	Plastic
Number of impellers	1	1
Weight	4.6 kg	4.6 kg
Cable length	10 m	10 m

Scope of delivery		
Order number	0250660006	0250800002
Angle connection piece with multi-adapter	■	■
Float switch	■	■

- Product advantages**
- Durable housing made of non-corrosive stainless steel
  - Robust housing made of impact-proof plastic
  - For pumping out, pumping dry and recycling fresh water from containers, tanks, tanks or flooded cellars
  - For garden irrigation from water reservoirs
  - Overload protection: protects the motor from overheating
  - Low intake level up to a residual water level of 2-3 mm
  - Adjustable float switch for automatic mode
  - Ergonomic handle for comfortable transport

**System components**

Accessories → 539

**System components**

Accessories → 539

01  
02  
03  
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Technical data	Flat-suction Clear Water Submersible Pump TP 7500 SI	Flat-suction Clear Water Submersible Pump TP 12000 SI
Rated input power	300 W	600 W
Maximum delivery rate	7,500 l/h	11,700 l/h
Maximum delivery height	6.5 m	9 m
Maximum immersion depth	7 m	7 m
Maximum pressure	0.65 bar	0.9 bar
Discharge port	1 1/4" Male Thread	1 1/4" Male Thread
Pump housing	Plastic	Plastic
Number of impellers	1	1
Weight	4.2 kg	5.1 kg
Cable length	10 m	10 m

Scope of delivery		
Order number	0250750013	0251200009
Multi-adapter	■	■

- Product advantages**
- For pumping out, pumping dry and recycling fresh water from containers, tanks, tanks or flooded cellars
  - For garden irrigation from water reservoirs
  - Overload protection: protects the motor from overheating
  - Low intake level up to a residual water level of 2-3 mm
  - Integrated float switch for automatic mode
  - Integrated check valve and automatic bleed
  - Problem-free use in narrower shafts up to 25 x 25 cm
  - Universal port

**System components**

Accessories → 539



Technical data	Submersible Pressure Pump TDP 7501 S
Rated input power	1,000 W
Maximum delivery rate	7,500 l/h
Maximum delivery height	34 m
Maximum immersion depth	7 m
Maximum pressure	3.4 bar
Discharge port	1 1/4" Female Thread
Pump housing	Plastic
Number of impellers	3
Weight	9.1 kg
Cable length	10 m

Scope of delivery	
Order number	0250750100
Multi-adapter	■
Float switch	■

- Product advantages**
- For garden irrigation from water reservoirs
  - For directly operating irrigation systems as well as for watering and sprinkling gardens and lawns using bore water, wells or cisterns
  - For garden irrigation with 1 to 3 sprinklers
  - 3-level pump gear provides optimum pressure build-up
  - Overload protection: protects the motor from overheating
  - Adjustable float switch for automatic mode
  - Integrated non-return valve reliably prevents the water pipe from running dry
  - Robust housing made of impact-proof plastic
  - Ergonomic handle for comfortable transport

**System components**

Accessories → 539

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14



Technical data	Combi Submersible Pump TPS 14000 S Combi	Combi Submersible Pump TPS 16000 S Combi
Rated input power	770 W	970 W
Maximum delivery rate	14,000 l/h	16,000 l/h
Maximum delivery height	8.5 m	9.5 m
Maximum immersion depth	7 m	7 m
Maximum pressure	0.85 bar	0.95 bar
Discharge port	1 1/2" Female Thread	1 1/2" Female Thread
Pump housing	Plastic	Plastic
Maximum particle size up to	20 mm	30 mm
Number of impellers	1	1
Weight	7.7 kg	7.8 kg
Cable length	10 m	10 m

Scope of delivery

Order number	0251400000	0251600000
Angle connection piece with multi-adapter	■	■
Float switch	■	■

Product advantages

- As waste water pump suitable for coarse fluids with a particle size of up to 20 mm
- Multi-functional use as immersion pump for fresh water or waste water
- For pumping out, pumping dry and recycling fresh water and waste water from containers, tanks or flooded cellars
- For garden irrigation from water reservoirs
- Low intake up to 1 mm in fresh water mode
- Simple and comfortable adjustment of the pump base for the required function
- Overload protection: protects the motor from overheating
- Adjustable float switch for automatic mode
- Easy switching over from automatic mode with float switch to manual mode for low-intake suction
- Housing made of impact-proof plastic
- Ergonomic handle for comfortable transport

System components

Accessories → 539



Technical data	Dirty Water Submersible Pump PS 7500 S	Dirty Water Submersible Pump PS 15000 S	Dirty Water Submersible Pump PS 18000 SN
Rated input power	450 W	850 W	1,100 W
Maximum delivery rate	7,500 l/h	15,000 l/h	19,000 l/h
Maximum delivery height	5 m	9.5 m	11 m
Maximum immersion depth	5 m	5 m	7 m
Maximum pressure	0.5 bar	0.95 bar	1.1 bar
Discharge port	1 1/4" Female Thread	1 1/4" Female Thread	1 1/2" Female Thread
Pump housing	Plastic	Plastic	Stainless steel
Maximum particle size up to	30 mm	30 mm	35 mm
Number of impellers	1	1	1
Weight	4.8 kg	6.5 kg	7.9 kg
Cable length	10 m	10 m	10 m

Scope of delivery

Order number	0250750000	0251500000	0251800000
Angle connection piece with multi-adapter	■	■	■
Float switch	■	■	■

Product advantages

- Robust housing made of impact-proof plastic
- Robust housing made of impact-proof plastic
- Durable housing made of non-corrosive stainless steel
- For pumping out, pumping dry and recycling fresh water or waste water from containers, tanks or flooded cellars
- For garden irrigation from water reservoirs
- Overload protection: protects the motor from overheating
- Adjustable float switch for automatic mode
- Ergonomic handle for comfortable transport

System components

Accessories → 539

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Technical data	Drainage Pump DP 18-5 SA	Drainage Pump DP 28-10 S Inox
Rated input power	900 W	1,850 W
Maximum delivery rate	18,000 l/h	28,000 l/h
Maximum delivery height	9.4 m	17 m
Maximum immersion depth	7 m	7 m
Maximum pressure	0.94 bar	1.7 bar
Discharge port	1 1/2" Female Thread	1 1/2" Female Thread
Pump housing	Aluminium	Stainless steel
Maximum particle size up to	5 mm	10 mm
Number of impellers	1	1
Weight	10 kg	18.5 kg
Cable length	10 m	10 m

Scope of delivery	604111	604112
Order number	604111	604112
Float switch	■	■

- Product advantages**
- Mechanical seal for protection of the pump if the water is particularly dense or contains large particles
  - Ideal motor cooling by means of the conveyed medium even when the water level is low
  - Double mechanical seal with oil chamber for ideal protection of the pump if the water is very dirty
  - Durable pump housing made of non-corrosive, high-quality stainless steel
  - For effective pumping of large quantities of dirty water, rain water, ground water and water on construction sites
  - Self-cleaning Vortex-impeller to minimise blockages
  - Designed for continuous operation with S1 motor operating mode
  - Overload protection: protects the motor from overheating
  - Float switch for automatic mode
  - Suitable for mobile and stationary use thanks to ergonomic handles and stability

**System components**

Accessories → 539



Technical data	Dirty Water Pump SP 24-46 SG	Dirty Water Pump SP 28-50 S Inox
Rated input power	900 W	1,470 W
Maximum delivery rate	24,000 l/h	28,000 l/h
Maximum delivery height	9 m	12 m
Maximum immersion depth	7 m	7 m
Maximum pressure	0.9 bar	1.2 bar
Discharge port	2" female thread	2" female thread
Pump housing	Grey cast iron	Stainless steel
Maximum particle size up to	46 mm	50 mm
Number of impellers	1	1
Weight	17.9 kg	19.3 kg
Cable length	10 m	10 m

Scope of delivery	604113	604114
Order number	604113	604114
Float switch	■	■

- Product advantages**
- Mechanical seal for protection of the pump if the water is very dirty
  - For very coarse dirty water with solid bodies of up to Ø 50 mm
  - Double mechanical seal with oil chamber for ideal protection of the pump if the water is very dirty
  - Durable pump housing made of non-corrosive, high-quality stainless steel
  - For pumping out and pumping dry of construction pits, cellars and shafts. Also for pumping sewage and drainage water in industrial and domestic environments.
  - Self-cleaning Vortex-impeller wheel to minimise blockages
  - Designed for continuous operation with S1 motor operating mode
  - Overload protection: protects the motor from overheating
  - Float switch for automatic mode
  - Suitable for mobile and stationary use thanks to ergonomic handles and stability

**System components**

Accessories → 539

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Technical data	Garden Pump P 2000 G	Garden Pump P 3300 G	Garden Pump P 4000 G
Rated input power	450 W	900 W	1,100 W
Maximum delivery rate	2,000 l/h	3,300 l/h	4,000 l/h
Maximum delivery height	30 m	45 m	46 m
Maximum suction height	8 m	8 m	8 m
Maximum pressure	3 bar	4.5 bar	4.6 bar
Suction port	1" Female Thread	1" Female Thread	1" Female Thread
Discharge port	1" Female Thread	1" Female Thread	1" Female Thread
Pump housing	Grey cast iron	Grey cast iron	Grey cast iron
Drive shaft	Stainless steel	Stainless steel	Stainless steel
Number of impellers	1	1	1
Weight	7.6 kg	11.1 kg	12.2 kg
Cable length	1.5 m	1.5 m	1.5 m

#### Scope of delivery

Order number	600962	600963	600964
Fabric sealing tape	■	■	■

#### Product advantages

- For garden irrigation with 1 or 2 sprinklers
- For garden irrigation with 1 or 2 sprinklers
- For garden irrigation with 1 to 3 sprinklers
- For watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Maintenance-free capacitor motor
- Overload protection: protects the motor from overheating
- High-quality slip seal system for long service life
- Separate water filling opening for simple operation of the pump
- Water drain plug (removable without tools) for protection in case of frost
- Rubberised feet for low-noise and low-vibration operation
- Ergonomic handle for comfortable transport

#### System components

Accessories → 541



Technical data	Garden Pump P 4500 Inox	Garden Pump P 6000 Inox
Rated input power	1,300 W	1,300 W
Maximum delivery rate	4,500 l/h	6,000 l/h
Maximum delivery height	48 m	55 m
Maximum suction height	8 m	8 m
Maximum pressure	4.8 bar	5.5 bar
Suction port	1" Female Thread	1" Female Thread
Discharge port	1" Female Thread	1" Female Thread
Pump housing	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel
Number of impellers	1	5
Weight	10.6 kg	12.7 kg
Cable length	1.5 m	1.5 m

#### Scope of delivery

Order number	600965	600966
Fabric sealing tape	■	■

#### Product advantages

- For garden irrigation with 1 to 3 sprinklers
- Metabo pump protection: automatic dry run protection with LED display to protect the pump and high user safety
- Multi-level pump running gear for high performance and low-noise operation
- For garden irrigation with 1 to 4 sprinklers
- For watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Maintenance-free capacitor motor
- Overload protection: protects the motor from overheating
- High-quality slip seal system for long service life
- Durable stainless steel pump housing
- Separate water filling opening for simple operation of the pump
- Water drain plug (operation without tools) for protection in case of frost
- Rubberised feet for low-noise and low-vibration operation
- Ergonomic handle for comfortable transport

#### System components

Accessories → 541



Technical data	Garden Pump P 9000 G
Rated input power	1,900 W
Maximum delivery rate	9,000 l/h
Maximum delivery height	51 m
Maximum suction height	9 m
Maximum pressure	5.1 bar
Suction port	1 1/4" Female Thread
Discharge port	1" Female Thread
Pump housing	Grey cast iron
Drive shaft	Stainless steel
Number of impellers	1
Weight	25.1 kg
Cable length	1.5 m

Scope of delivery	
Order number	600967
Fabric sealing tape	■

- Product advantages**
- For watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - For garden irrigation with 1 to 6 sprinklers

**System components**

Accessories → 541

## DOMESTIC WATER PUMPS: WELL SERVED.

With our Domestic Water Pumps, you can supply water for flushing WCs, washing machines or other domestic appliances with free rain or well water - thus saving money. These powerful units will deliver a water supply at a pressure of up to 5.5 bar from their robust tank. The Metabo Pump Protection with dry operation protection offers maximum safety for man and machine. The initial operation of our complete systems is particularly easy: Filter and check valve are integrated in the compact Design.



**Metabo pump protection**  
Automatic dry run protection with LED display to protect the pump and for high user safety



**Overload protection**  
protects the motor from overheating

**Maintenance-free capacitor motor**

**High-quality slip seal system**  
for long service life

**Integrated filter**

**Integrated check valve**  
prevents running dry of the pump when it is switched off, for short restart time during a new start

**Water drain plug (removable without tools)**  
for protection in case of frost



HWWI 4500/25 Inox



**Domestic Water Pumps**  
For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water



**Automatic activation**  
Push button for automatic activation of the domestic water system



**Integrated accessory**  
Filter and check valve protect the pump from dirt and ensure seamless operation.

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**Technical data**

**Domestic Water Pump HWW 3300/25 G**

**Domestic Water Pump HWW 3500/25 Inox**

Rated input power	900 W	900 W
Maximum delivery rate	3,300 l/h	3,500 l/h
Maximum delivery height	45 m	45 m
Maximum suction height	8 m	8 m
Maximum pressure	4.5 bar	4.5 bar
Switch-on pressure approx.	1.4 bar	1.4 bar
Switch-off pressure approx.	3.2 bar	3.2 bar
Suction port	1" Female Thread	1" Female Thread
Discharge port	1" Female Thread	1" Female Thread
Tank capacity, approximately	24 l	24 l
Pump housing	Grey cast iron	Stainless steel
Drive shaft	Stainless steel	Stainless steel
Tank	Steel	Steel
Number of impellers	1	1
Weight	16.2 kg	14.6 kg
Cable length	1.5 m	1.5 m

**Scope of delivery**

Order number	600968	600969
Check valve	■	■
Fabric sealing tape	■	■

**Product advantages**

- Durable stainless steel pump housing
- For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Push button for automatic activation of the domestic water system in case of increased water demand
- Maintenance-free capacitor motor
- Overload protection: protects the motor from overheating
- High-quality slip seal system for long service life
- Separate water filling opening for simple operation of the pump
- Water drain plug (removable without tools) for protection in case of frost
- For garden irrigation with 1 or 2 sprinklers
- For single phase alternating current

**System components**

Accessories → 541



**Technical data**

**Domestic Water Pump HWW 4000/25 G**

**Domestic Water Pump HWW 4500/25 Inox**

**Domestic Water Pump HWW 4500/25 Inox Plus**

Rated input power	1,100 W	1,300 W	1,300 W
Maximum delivery rate	4,000 l/h	4,500 l/h	4,500 l/h
Maximum delivery height	46 m	48 m	48 m
Maximum suction height	8 m	8 m	8 m
Maximum pressure	4.6 bar	4.8 bar	4.8 bar
Switch-on pressure approx.	1.4 bar	1.8 bar	1.8 bar
Switch-off pressure approx.	3.2 bar	3.6 bar	3.6 bar
Suction port	1" Female Thread	1" Female Thread	1" Female Thread
Discharge port	1" Female Thread	1" Female Thread	1" Female Thread
Tank capacity, approximately	24 l	24 l	24 l
Pump housing	Grey cast iron	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel	Stainless steel
Tank	Steel	Steel	Stainless steel
Number of impellers	1	1	1
Weight	17.2 kg	17.1 kg	16.2 kg
Cable length	1.5 m	1.5 m	1.5 m

**Scope of delivery**

Order number	600971	600972	600973
Check valve	■	■	■
Fabric sealing tape	■	■	■

**Product advantages**

- Durable stainless steel pump housing
- Durable stainless steel pump housing and stainless steel tank
- For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Push button for automatic activation of the domestic water system in case of increased water demand
- Maintenance-free capacitor motor
- Overload protection: protects the motor from overheating
- High-quality slip seal system for long service life
- Separate water filling opening for simple operation of the pump
- Water drain plug (removable without tools) for protection in case of frost
- For garden irrigation with 1 to 3 sprinklers
- For single phase alternating current

**System components**

Accessories → 541

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Technical data	Domestic Water Pump HWWI 3500/25 Inox	Domestic Water Pump HWWI 4500/25 Inox
Rated input power	1,100 W	1,300 W
Maximum delivery rate	3,500 l/h	4,500 l/h
Maximum delivery height	45 m	48 m
Maximum suction height	8 m	8 m
Maximum pressure	4.5 bar	4.8 bar
Switch-on pressure approx.	1.6 bar	1.6 bar
Switch-off pressure approx.	4.5 bar	4.8 bar
Suction port	1" Female Thread	1" Female Thread
Discharge port	1" Female Thread	1" FThr
Tank capacity, approximately	24 l	24 l
Pump housing	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel
Tank	Steel	Steel
Number of impellers	1	1
Weight	17.5 kg	17.8 kg
Cable length	1.5 m	1.5 m

Scope of delivery	600970	600974
Order number	600970	600974
Fabric sealing tape	■	■
Filter key	■	■

- Product advantages**
- For garden irrigation with 1 or 2 sprinklers
  - For garden irrigation with 1 to 3 sprinklers
  - Complete system in compact design with integrated filter and check valve integrated as standard for easy installation
  - For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Electronic push button for automatic activation of the domestic water system in case of increased water demand
  - Metabo pump protection: automatic dry run protection with LED display to protect the pump and high user safety
  - Integrated, washable filter protects the pump from contamination
  - Integrated check valve prevents dry running of the pump when it is switched off, enabling a short restart process
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - Durable stainless steel pump housing
  - Separate water filling opening for simple operation of the pump
  - Water drain plug (removable without tools) for protection in case of frost
  - For single phase alternating current

**System components**

Accessories → 541



Technical data	Domestic Water Pump HWW 6000/25 Inox	Domestic Water Pump HWW 6000/50 Inox
Rated input power	1,300 W	1,300 W
Maximum delivery rate	6,000 l/h	6,000 l/h
Maximum delivery height	55 m	55 m
Maximum suction height	8 m	8 m
Maximum pressure	5.5 bar	5.5 bar
Switch-on pressure approx.	1.6 bar	1.6 bar
Switch-off pressure approx.	5.5 bar	5.5 bar
Suction port	1" Female Thread	1" Female Thread
Discharge port	1" Female Thread	1" Female Thread
Tank capacity, approximately	24 l	50 l
Pump housing	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel
Tank	Steel	Steel
Number of impellers	5	5
Weight	18.9 kg	22.1 kg
Cable length	1.5 m	1.5 m

Scope of delivery	600975	600976
Order number	600975	600976
Check valve	■	■
Fabric sealing tape	■	■

- Product advantages**
- For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Electronic push button for automatic activation of the domestic water system in case of increased water demand
  - Metabo pump protection: automatic dry run protection with LED display to protect the pump and high user safety
  - Multi-level pump running gear for high performance and low-noise operation
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - Durable stainless steel pump housing
  - Separate water filling opening for simple operation of the pump
  - Water drain plug (removable without tools) for protection in case of frost
  - For garden irrigation with 1 to 4 sprinklers
  - For single phase alternating current

**System components**

Accessories → 541

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Technical data	Domestic Water Pump HWW 9000/100 G
Rated input power	1,900 W
Maximum delivery rate	9,000 l/h
Maximum delivery height	51 m
Maximum suction height	9 m
Maximum pressure	5.1 bar
Switch-on pressure approx.	1.5 bar
Switch-off pressure approx.	3.9 bar
Suction port	1 1/4" Female Thread
Discharge port	1" Female Thread
Tank capacity, approximately	100 l
Pump housing	Grey cast iron
Drive shaft	Stainless steel
Tank	Steel
Number of impellers	1
Weight	39.9 kg
Cable length	1.5 m

Scope of delivery	600977
Order number	600977
Check valve	■
Fabric sealing tape	■

- Product advantages**
- For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
  - Push button for automatic activation of the domestic water system in case of increased water demand
  - Maintenance-free capacitor motor
  - Overload protection: protects the motor from overheating
  - High-quality slip seal system for long service life
  - For garden irrigation with 1 to 6 sprinklers
  - For single phase alternating current

**System components**

Accessories → 541



Technical data	Automatic Domestic Water System HWA 3500 Inox	Automatic Domestic Water System HWA 4500 Inox	Automatic Domestic Water System HWA 6000 Inox
Rated input power	1,100 W	1,300 W	1,300 W
Maximum delivery rate	3,500 l/h	4,500 l/h	6,000 l/h
Maximum suction height	8 m	8 m	8 m
Maximum delivery height	45 m	48 m	55 m
Maximum pressure	4.5 bar	4.8 bar	5.5 bar
Switch-on pressure approx.	1.6 bar	1.6 bar	1.6 bar
Switch-off pressure approx.	4.5 bar	4.8 bar	5.5 bar
Suction port	1" Female Thread	1" Female Thread	1" Female Thread
Discharge port	1" Female Thread	1" Female Thread	1" Female Thread
Pump housing	Stainless steel	Stainless steel	Stainless steel
Drive shaft	Stainless steel	Stainless steel	Stainless steel
Number of impellers	1	1	5
Weight	10.6 kg	11.5 kg	13 kg
Cable length	1.5 m	1.5 m	1.5 m

Scope of delivery	600978	600979	600980
Order number	600978	600979	600980
Check Valve	■	■	■
Fabric sealing tape	■	■	■
Filter key		■	

- Product advantages**
- For garden irrigation with 1 or 2 sprinklers
  - Complete system in compact design with integrated filter and check valve integrated as standard for easy installation
  - Multi-level pump running gear for high performance and low-noise operation
  - Integrated, washable filter protects the pump from contamination
  - Integrated check valve prevents dry running of the pump when it is switched off, enabling a short restart process
  - For garden irrigation with 1 to 4 sprinklers
  - For garden irrigation with 1 to 3 sprinklers

- For automatic water supply, for watering gardens and groundwater pumping as well as pumping, pumping out, recirculation of clear water
- Intelligent electronics for automatic appropriate and energy-saving modes
- Metabo pump protection: automatic dry run protection with LED display to protect the pump and high user safety
- Maintenance-free capacitor motor
- Overload protection: protects the motor from overheating
- High-quality slip seal system for long service life
- Durable stainless steel pump housing
- Separate water filling opening for comfortable operation of the pump
- Water drain plug (removable without tools) for protection in case of frost

**System components**

Accessories → 541



Technical data	Deep Well Pump TBP 4000 M	Deep Well Pump TBP 5000 M
Rated input power	750 W	1,000 W
Maximum delivery rate	3,800 l/h	5,000 l/h
Maximum delivery height	55 m	60 m
Maximum immersion depth	20 m	20 m
Maximum pressure	5.5 bar	6 bar
Discharge port	1" Female Thread	1" Female Thread
Pump housing	Stainless steel/plastic	Stainless steel
Pump diameter	98 mm	98 mm
Number of impellers	7	8
Weight	12 kg	12.2 kg
Cable length	22 m	22 m

Order number	0250400055	0250500050
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Product advantages	Deep Well Pump TBP 4000 M	Deep Well Pump TBP 5000 M
	<ul style="list-style-type: none"> <li>7-level pump running gear for particularly high pump capacity</li> <li>Pump housing made of stainless steel and impact-resistant plastic</li> </ul>	<ul style="list-style-type: none"> <li>8-level pump running gear for particularly high pump capacity</li> <li>Pump housing made of stainless steel</li> </ul>
	<ul style="list-style-type: none"> <li>Especially suitable for great depths, as in bore wells and shafts</li> <li>For water irrigation and groundwater pumping, as well as pumping, pumping out, pumping dry and recirculation of clear water</li> <li>Overload protection: protects the motor from overheating</li> <li>Integrated check valve prevents dry running of the pump when it is switched off, enabling a short restart process</li> <li>Robust pump head with brass thread insert and fixing eyelets for the drain rope</li> <li>Suitable for bore wells of 100 mm Ø (4")</li> <li>22m Connection cable for more submerged depth</li> </ul>	

System components

Accessories → 541

Multi-Adapter

- For connecting immersion pumps or domestic water systems to discharge, suction or garden hoses

	Order number
<p><b>Multi-adapter, 1"</b> 1" Male x 1" nozzle x 3/4" Female x 3/4" nozzle</p>	0903018410*
<p><b>Multi-adapter, 1 1/4"</b> 1 1/4" Female x 1 1/2" nozzle x 1" Male x 1" nozzle Double nipple, 1 1/4" Male Thread</p>	0903061677*
<p><b>Multi-adapter, 1 1/2"</b> 1 1/2" Male x 2" nozzle x 1 1/4" Male x 1 1/2" nozzle</p>	0903061685*

Angle Connections with Multi-Adapter

- For connecting immersion pumps to quick-action couplings or discharge, suction or garden hoses

	Order number
<p><b>Angle connection with multi-adapter 1 1/4"</b> Angle connection: 1 1/4" male thread / 1 1/4" male thread Multi-adapter: 1 1/4" female thread, 1 1/4" nozzle, 1 1/4" male thread, 1" nozzle</p>	0903064846*
<p><b>Angle connection with multi-adapter 1 1/2"</b> Angle connection: 1 1/2" Male thread / 1 1/2" Male thread Multi-adapter: 1 1/2" Female Thread, 1 1/2" nozzle, 1 1/4" nozzle, 1" Male Thread</p>	0903064854*

Angle Connection





- For connecting immersion pumps to quick-action couplings or discharge, suction or garden hoses

	Order number
<p><b>Angle connection, 1"</b> 1" Female Thread x 1" Female Thread / 1 1/4 Male Thread</p>	0903019379*
<p><b>Angle connection 1 1/4"</b> 1 1/4" Male Thread x 1 1/4" Male Thread / 1" Female Thread</p>	0903053143*
<p><b>Angle connection 1 1/2" stainless steel</b> 1 1/2" Female Thread / 1 1/2" Male Thread</p>	0903064838*
<p><b>Angle connection, 2" stainless steel</b> 2" Female Thread / 2" Male Thread</p>	628802000*



\*Self-service packaging

### Storz Coupling

- For the connection of dirty water immersion pumps to discharge hoses with C-Storz coupling

	Order number
 <p><b>Storz coupling, 1 1/2"</b> C = 2" x 1 1/2" Male Thread</p>	0903061375*
 <p><b>Storz coupling 1 1/2" with extension pipe 100 mm</b> Consisting of: Storz coupling, C=2" x 1 1/2" Female Thread Pipe nipple, 1 1/2" Male Thread x 1 1/2" Male Thread - 100 mm Suitable for: DP 28-10 S Inox</p>	628801000*
 <p><b>Storz coupling 1 1/2" with extension pipe 300 mm</b> Consisting of: Storz coupling, C=2" x 1 1/2" Female Thread Pipe nipple, 1 1/2" Male Thread x 1 1/2" Male Thread - 300 mm Suitable for PS 17000 SN, PS 18000 SN</p>	0903019352*
 <p><b>Storz coupling 2"</b> C = 2" x 2" Male Thread</p>	628800000*

### Discharge Set with Fittings

	Order number
 <p><b>Discharge Set 7 m</b>  <ul style="list-style-type: none"> <li>For the connection of all immersion pumps 1".1 1/4" and 1 1/2" with multi-adapter</li> <li>1" Discharge hose, black, with incorporated rigid PVC coil, buckling-proof and non-abrasive</li> <li>Also suitable for suction devices (e.g. air, dust, woodchips)</li> </ul> </p> <p>Consisting of: 1" Spiral hose Screwed hose connection 1 1/4" x 25 mm in brass Industrial stainless steel threaded hose clamp 20 - 32 mm</p> <p>Internal Ø: 25 mm Length: 7 m Working pressure: 1.5 bar Temperature resistance: -10 - 60 °C</p>	628821000
 <p><b>Discharge Set: 15 m</b>  <ul style="list-style-type: none"> <li>For connecting all immersion pumps with Storz couplings C=2"</li> <li>2" Construction/industrial hose, high strength polyester thread, round woven, rubber-lined interior, corrosion-free, ozone-, decomposition- and mould-resistant</li> <li>Light alloy Storz couplings fixed in on both sides</li> <li>Couplings fixed in with special steel wire</li> </ul> </p> <p>Consisting of: 2" Industrial hose Storz couplings C=2" Cam distance: 66 mm</p> <p>Internal Ø: 52 mm Wall thickness: 2.4 mm Length: 15 m Operating pressure: 10 bar Burst pressure: 30 bar Temperature resistance: 0° to 60°</p>	0903061294*



\*Self-service packaging

### Suction Hose Sets

- Suitable for drawing from wells, cisterns, ponds or streams
- 1" suction hose, transparent, with incorporated rigid PVC coil, buckling-proof and non-abrasive
- Strainer with shackle to attach a floating ball



#### Standard suction hose sets with brass fittings

- For connection to the suction side of all garden pumps and domestic water / automatic systems with 1" female thread/male thread

	Order number
 <p><b>Standard suction hose set, 4 m</b> Consisting of: 1" Suction hose Hose clamps, steel galvanised Brass connector, 1" female thread Brass double nipple, 1" male thread Brass hose nozzle/O-ring, 1" male thread Brass check valve, 1" female thread with strainer, special steel Internal Ø: 25 mm Wall thickness: 3.2 mm Bending radius: 100 mm Working pressure / burst pressure: 6 bar / 18 bar Temperature resistance: 0° to 60° Water column (vacuum): 7 m</p>	0903061227*
 <p><b>Standard suction hose set, 7 m</b> Consisting of: 1" Suction hose Hose clamps, steel galvanised Brass connector, 1" female thread Brass double nipple, 1" male thread Brass hose nozzle/O-ring, 1" male thread Brass check valve, 1" female thread with strainer, special steel Internal Ø: 25 mm Wall thickness: 3.2 mm Bending radius: 100 mm Working pressure / burst pressure: 6 bar / 18 bar Temperature resistance: 0° to 60° Water column (vacuum): 7 m</p>	0903061235*

#### Professional suction hose sets with brass fittings, heavy-duty version



- For connection to the suction side of all garden pumps and domestic water / automatic systems with 1" female thread
- Suitable for food and drinks (drinking water and liquids with up to 28% alcohol content)

	Order number
 <p><b>Professional suction hose set, 4 m</b> Consisting of: Suction pressure hose 1" Chuck jaw clamps, steel double galvanised Brass suction high pressure coupling, 1" nozzle Brass quick-action coupling, 1" male thread Brass hose nozzle/O-ring, 1" male thread Brass check valve, 1" female thread with strainer, special steel Internal Ø: 25 mm Wall thickness: 3.4 mm Bending radius: 112 mm Working pressure / burst pressure: 8 bar / 24 bar Temperature resistance: 0° to 65° Water column (vacuum): 9 m</p>	0903061200*
 <p><b>Professional suction hose set, 7 m</b> Consisting of: Suction pressure hose 1" Chuck jaw clamps, steel double galvanised Brass suction high pressure coupling, 1" nozzle Brass quick-action coupling, 1" male thread Brass hose nozzle/O-ring, 1" male thread Brass check valve, 1" female thread with strainer, special steel Internal Ø: 25 mm Wall thickness: 3.4 mm Bending radius: 112 mm Working pressure / bursting pressure: 8 bar / 24 bar Temperature resistance: 0° to 65° Water column (vacuum): 9 m</p>	0903061219*

\*Self-service packaging

### Floating Intake



- Suitable for drawing from wells, cisterns, ponds or streams
- Prevents the suction of dirt particles
- Water intake in the cleanest area, just below the water surface

	Order number
 <p><b>Floating ball</b> For connection to standard and professional suction hose sets Floating ball PE / 2 eyelets, Ø 150 mm Special steel ring, VA</p>	0903061367*
 <p><b>Floating Intake</b> For connection to 1" spiral suction hoses Consisting of: Floating ball PE / 2 eyelets, Ø 150 mm Special steel ring, VA Hose clamp, steel galvanised Brass hose nozzle/O-ring, 1" male thread Brass check valve, 1" with strainer, special steel</p>	0903061359*

### Pump Assembly Set

#### Pump assembly set MSS suction connector



- All in one package with illustrated assembly instructions
- Filter to protect the pump and sprinkling systems from damage caused by sand and dirt particles, 28 bar burst pressure
- Return valve: prevents the water flowing back into wells or cisterns
- Ball valve (closed): prevents the water flowing back into wells or into the suction area during maintenance jobs, e.g. filter cleaning or pump disassembly
- Quick-action coupling as connection option for suction hose sets
- Seal strip: seals without hemp or sealing paste

	Order number
 <p><b>Pump assembly set MSS 310 – HWA/ P</b> ■ For mounting to the suction connector of all garden pumps and domestic water / automatic systems with 1" female thread ■ Garden pumps and automatic domestic water systems require a short filter due to their lower construction height</p> <p>Manufactured length approx. 310 mm</p> <p>Consisting of: Filter for garden pumps, short, 1" brass female thread Washable filter insert, 80 my Brass double nipple, 1" Male Thread x 1" Male Thread Brass check valve, 1" Female Thread x 1" Female Thread Nickel-plated brass ball valve, 1" Female Thread x 1" Female Thread Brass quick-action coupling, 1" male thread Fabric sealing tape, 12 m roll Filter key for loosening the filter dome</p>	0903061260*
 <p><b>Pump assembly set MSS 380 – HWW</b> ■ For mounting to the suction connector of all domestic water works with 1" female thread</p> <p>Manufactured length approx. 380 mm</p> <p>Consisting of: Filter for domestic water works, long, 1" brass female thread Washable filter insert, 80 my Brass double nipple, 1" Male Thread x 1" Male Thread Brass check valve, 1" Female Thread x 1" Female Thread Nickel-plated brass ball valve, 1" Female Thread x 1" Female Thread Brass quick-action coupling, 1" male thread Zinc-plated pipe nipple, 1" Male Thread x 1" Male thread x 100 mm Fabric sealing tape, 12 m roll Filter key for loosening the filter dome</p>	0903061278*

\*Self-service packaging



#### Pump assembly set MSD discharge port

- All in one package with illustrated assembly instructions
- Ball drain cock with nozzle: connection option for a 3/4" garden hose
- Tap connector: alternative connection option of a system quick-action coupling
- Seal strip: seals without hemp or sealing paste

	Order number	
 <p><b>Pump assembly set MSD 200 – HWW/P</b> ■ For mounting on the discharge connector of all garden pumps and domestic water pumps with 1" female thread ■ With protective cap for the easy filling of the pump body with water (e.g. watering can)</p> <p>Manufactured length approx. 200 mm</p> <p>Consisting of: Zinc-plated pipe nipple, 1" Male Thread x 1" Male Thread x 100 mm Zinc-plated T-piece, 1" Female Thread x 3/4 Female Thread x 1" Female Thread Brass, nickel-plated ball drain cock, 3/4" Female Thread x 1" Male Thread x 3/4" nozzle Cock connector, 1" Female Thread Brass quick-action coupling, 1" male thread Quick-action coupling, brass protective cap Fabric sealing tape, 12 m roll</p>	0903061251*	01
 <p><b>Pump assembly set MSD 1000 – HWA</b> ■ For mounting to the discharge port of all domestic water systems with 1" Male Thread ■ Wall mounting prevents leverage force from the water tap to the automatic domestic system</p> <p>Pressure hose for flexible connection, 8 bar operating pressure, 24 bar burst pressure Manufactured length approx. 1,000 mm</p> <p>Consisting of: Pressure hose 1 m x 3/4" Steel galvanised chuck jaw clamps, 23-25 mm Brass angle hose connector 1" Female Thread x 3/4" nozzle Hose nozzle with brass O-ring 3/4" Male Thread x 3/4" nozzle Brass wall disc 3/4" Female Thread x 3/4" Female Thread Brass, nickel-plated ball drain cock, 3/4" Female Thread x 1" Male Thread x 3/4" nozzle Cock connector, 1" Female Thread Fabric sealing tape, 12 m roll</p>	0903061243*	02 03 04 05 06 07 08

### Check Valve

- For connecting to the suction pipe of all garden pumps and domestic water /automatic systems
- Ensures smooth operation and short restart times in case of repeated starts
- Prevents the pump from running dry when switched off

	Order number	
 <p><b>Brass check valve 1"</b> Connecting thread: 1"Male Thread x 1"Female Thread</p>	628803000*	09 10 11
 <p><b>Brass check valve, 1 1/4"</b> Connecting thread: 1 1/4"Male Thread / x 1 1/4"Female Thread</p>	628805000*	12 13 14

\*Self-service packaging



### Filters for Garden Pumps and Domestic Water Pumps/Automatic Domestic Water Systems

- For connecting to the suction pipe of all garden pumps and domestic water /automatic systems
- Garden pumps and domestic water works automatic systems require a short filter due to their lower construction height
- The filter protects the pump and sprinkling systems from damage by sand and dirt particles
- Housing and lid made from impact-resistant polypropylene
- Connections with brass female threads
- Temperature resistant from 0 to 60°C



	Order number
 <p><b>Filter 1" short</b>                      Height: 190 mm                      Diameter: 120 mm                      Water throughput: 6,200 l/hour                      Burst pressure: 28 bar                      Working pressure: 8 bar</p>	0903016450*
 <p><b>Filter 1" short, with washable filter insert</b>                      ■ Delivery includes washable filter insert with nylon fabric 80 my, protects against ultra-fine sand and solid matter                       Height: 190 mm                      Diameter: 120 mm                      Water throughput: 6,200 l/hour                      Bursting pressure: 28 bar                      Working pressure: 8 bar</p>	0903050314*
 <p><b>Filter 1 1/4" short, with washable filter insert</b>                      ■ Delivery includes washable filter insert with nylon fabric 80 my, protects against ultra-fine sand and solid matter                       Height: 190 mm                      Diameter: 120 mm                      Water throughput: 6,200 l/hour                      Bursting pressure: 28 bar                      Working pressure: 8 bar</p>	628816000*
 <p><b>Filter 1" long</b>                      Height: 310 mm                      Diameter: 120 mm                      Water throughput: 6,400 l/hour                      Bursting pressure: 28 bar                      Working pressure: 8 bar</p>	0903009250*
 <p><b>Filter 1" long, with washable filter insert</b>                      ■ Delivery includes washable filter insert with nylon fabric 80 my, protects against ultra-fine sand and solid matter                       Height: 310 mm                      Diameter: 120 mm                      Water throughput: 6,400 l/hour                      Bursting pressure: 28 bar                      Working pressure: 8 bar</p>	0903050306*
 <p><b>Filter 1 1/4" long, with washable filter insert</b>                      ■ Delivery includes washable filter insert with nylon fabric 80 my, protects against ultra-fine sand and solid matter                       Height: 310 mm                      Diameter: 120 mm                      Water throughput: 6,400 l/hour                      Bursting pressure: 28 bar                      Working pressure: 8 bar</p>	628817000*
 <p><b>Filter 1 1/2" long</b>                      Height: 310 mm                      Diameter: 120 mm                      Water throughput: 13,800 l/hour                      Bursting pressure: 28 bar                      Working pressure: 8 bar</p>	0903014253*

\*Self-service packaging

### Filter Inserts






#### One-way filter insert

- Insert with twisted thread, 20 my
- Protects pump and sprinkling systems against damage by sand and solid matter



	Connecting Thread	Version	Order number
	1"	Short	0903028432*
	1"	Long	0903028351*

#### Washable filter insert

- Washable insert with nylon fabric, 80 my
- Protects pump and sprinkling systems against damage by sand and solid matter




	Connecting Thread	Version	Order number
	1"	Short	0903028440*
	1 1/4"	Short	628818000*
	1"	Long	0903028360*
	1 1/4" + 1 1/2"	Long	0903028416*
	1"	Long	628804000*

### Filter Accessories


	Order number
 <p><b>Filter Key</b>                      ■ For the loosening of the filter dome                      Internal Ø, 120 mm</p>	0903058005*
 <p><b>Filter Sealing Set</b>                      Suitable for 1" and 1 1/2" filters                      Consisting of:                      1x Filter dome O-ring, Ø 88 x 3.5 mm                      1x Filter insert flat seal, Ø 52 x 40 x 4 mm                      2x Filter insert flat seal, Ø 52 x 27 x 4 mm</p>	0903061316*

\*Self-service packaging

Run-Dry Protection

	Order number
 <p><b>Hydromat HM 2 – electronic pressure switch with dry operation protection</b></p> <ul style="list-style-type: none"> <li>For converting a garden pump into an automatic domestic water works system</li> <li>Also suitable for deep well pumps and submersible pressure pumps</li> <li>Dry operation protection is the automatic deactivation of the motor when nothing is left to pump. (Leaky suction pipe, the water supply dries out)</li> <li>Hydromat switches the pump on automatically when the water pressure drops and switches it off again when the pump's maximum pressure is reached</li> <li>A diaphragm and spring neutralise the effects of pressure surges</li> <li>With a safety valve to prevent water leaking if the diaphragm is damaged</li> </ul> <p>Switch-on pressure approx. 1.5 bar Voltage: 230 V Frequency: 50 / 60 Hz Protection type: IP 65 Maximum amperage: 16(8) A-1.5 kW Maximum operating pressure 10 bar Maximum operating temperature 0° to 65° C</p> <p>Connection: Discharge port, 1" Male Thread Device connection, 1" Male Thread Adapter 1" Female Thread x 1" Male Thread</p>	0903063238*
 <p><b>Run-Dry Protection Stop Switch</b></p> <ul style="list-style-type: none"> <li>Dry operation protection for domestic water systems, automatic domestic water systems, garden pumps, immersion pumps and submersible pressure pumps</li> <li>Float switch with 10 metre cable length</li> <li>When drawing from cisterns, ponds or streams, the float switch switches the pumps on and off automatically depending on the water level</li> <li>Plug/socket combination</li> </ul>	0903028521
 <p><b>Hydrostop Run-Dry Protection</b></p> <ul style="list-style-type: none"> <li>As a supplementary dry operation protection for domestic water works</li> <li>If the pumped liquid is absent or the water pressure drops, the hydrostop switches the pump off automatically (leaky suction pipe, water reserve running dry)</li> </ul> <p>Switch-off pressure: 0.8 bar (minimum water pressure) Maximum operating pressure 6 bar Temperature resistance: 0° to 35°</p> <p>Connection: Discharge port, 1" Female Thread Device connection, 1" Male Thread</p>	0903052597*




Armoured Hose

	Order number
 <p><b>Armoured Hose</b></p> <ul style="list-style-type: none"> <li>For connection to the suction/discharge side of all domestic water /automatic systems with 1" male thread/female thread on permanently mounted pipes</li> <li>Absorbs running noises and guarantees high safety by means of double deep injection on the connection fittings</li> <li>Special steel jacket 1", interior latex core</li> <li>Rust-free fittings</li> </ul> <p>Consisting of: Armoured hose, 1" Male Thread x 1" Female Thread Gasket Ø 30 x 23 x 3 mm</p> <p>Internal Ø: 25 mm Wall thickness: 4 mm Length 500 mm Working pressure: 6 bar Bursting pressure: 18 bar Temperature resistance: 0° to 65°</p>	0903061340*


\*Self-service packaging

Garden Sprinklers


- Multi-functional for cleaning and irrigation
- Sturdy metal version with trigger handle with locking device
- Brass connection - compatible with all commercial plug-in systems
- Infinitely adjustable water volume via a separate rotating knob
- Water jet can be adjusted from a hard full jet to fine atomised spray
- Soft plastic ring on sprinkler head for protection against damage
- Hand valve with locking device

	Order number
 <p><b>Spray shower SB 2</b></p> <ul style="list-style-type: none"> <li>Water jet infinitely adjustable from full hard jet to fine spray</li> </ul>	0903063122*
 <p><b>Garden shower GB 7</b></p> <ul style="list-style-type: none"> <li>7 Water jet shapes from full spray to fine atomised spray</li> </ul>	0903060778*
 <p><b>Stream rod GS 10</b></p> <ul style="list-style-type: none"> <li>10 Water jet formats ranging from full spray to fine atomised spray</li> <li>Long reach, e.g. saves you having to step over beds</li> <li>Ideal for watering hanging flower arrangements</li> </ul> <p>Length: 920 mm</p>	0903063130*

Garden Sprinklers

	Order number
 <p><b>Surface sprinkler FR 9</b></p> <ul style="list-style-type: none"> <li>Sturdy metal version for mobile and stationary use</li> <li>Removable dirt filter to protect the sprinkler from damage by sand and dirt particles</li> <li>Brass coupling plug, compatible with all commercial plug-in systems</li> <li>Multi-functional for watering surfaces or small front gardens</li> <li>9 Sprinkler areas, from circle to rectangle to atomised spray</li> <li>Desired sprinkler area adjustable by turning the sprinkler disc</li> </ul> <p>Sprinkler surfaces: Circle Ø = maximum 10 m / 80 m<sup>2</sup> Semi-circle r = maximum 8 m / 100 m<sup>2</sup> Square maximum 8 x 8 m / 64 m<sup>2</sup> Rectangle maximum 16 x 2 m / 32 m<sup>2</sup></p> <p>Connection: Brass cap nut, 3/4" female thread Brass coupling plug 3/4" male thread</p>	0903063149*

Fabric Sealing Tape

	Order number
 <p><b>Fabric Sealing Tape</b></p> <ul style="list-style-type: none"> <li>Seals without hemp or sealing paste</li> <li>For metal and plastic threaded joints</li> </ul> <p>Length on roll: 12 m Width: 12 mm Thickness: 0.1 mm</p>	0901026319*

\*Self-service packaging

# M+ SYSTEM: MACHINE AND ACCESSORIES PERFECTLY SYNCHRONISED FOR MAXIMUM PERFORMANCE.


Even during the development phase at Metabo, machines and accessories are optimally adjusted and tested to complement one another. Your added benefit: Maximum performance thanks to Metabo + System effect.



## Hedge Trimmers

# HEDGE TRIMMERS: LIGHT, QUIET AND POWERFUL

Metabo hedge trimmers have been setting standards in the market for decades. With patented handle systems, robust motors, high-quality blades and excellent ergonomics. They are always the right choice for the professional user. Whether mains-powered or as a cordless machine with intelligent battery pack technology: Metabo hedge trimmers are amongst the lightest machines on the market and offer maximum safety thanks to their quick stop function, torque limiting clutch and trigger guard.



**Cable replacement cover (87 and 88 series)**  
Maintenance friendly!  
Carbon brushes can be easily replaced by an electrical technician, saving you time and money.

**Carbon brush replacement cover (88 series only)**  
Maintenance friendly!  
Carbon brushes can be easily replaced by an electrical technician, saving you time and money.

**Trigger guard**  
The extra large guard protects the user from debris and from kickback, for example, when snagging walls, tree trunks or rocks.

**Cable strain protection**  
Effectively prevents the power cord from disconnecting from the adapter of an extension cable.

**Optimum airflow (87 and 88 series)**  
The motor airflow exhausts downwards, thus preventing users from having air blown towards their eyes.

**Quick stop in 0.05 seconds**  
This kicks in when one of the two hand switches are not depressed, thus preventing you from accidentally touching the running blade.

**Metabo S-automatic Torque Limiting Clutch**  
Protects blades and gears when debris or large branches stop the blades.

**Double reduction gear**  
for especially high cutting performance.

HS 8865



**Special blade geometry**  
Blades with improved geometry generate less wear and thus deliver 200% longer service life.



**More reach**  
Patented Metabo handle system with additional switch for up to 50% more reach.



**AHS 36 V / AHS 36-65 V**  
The lightest machines amongst professional hedge trimmers in the 36 V class



Technical data	Cordless Hedge Trimmer AHS 18-55 V	Cordless Hedge Trimmer AHS 36 V	Cordless Hedge Trimmer AHS 36-65 V
Type of battery pack	Li-Ion	Li-Ion	Li-Ion
Battery pack voltage	18 V	36 V	36 V
Runtime per battery charge	65 min	50 min	50 min
Cutting strength	18 mm	18 mm	18 mm
Cutting length	53 cm	53 cm	63 cm
No of strokes (no load)	2,700 /min	2,700 /min	2,700 /min
Weight (including battery pack)	3.9 kg	3.9 kg	4.1 kg

Scope of delivery	600463	602177	602203
Order number	600463	602177	602203
Li-Power battery pack (36 V/1.5 Ah)		■	
2 Li-Power battery packs (36 V/1.5 Ah)			■
2 Li-Power battery packs (18 V/4.0 Ah)	■		
»AIR COOLED« quick charger ASC Ultra			■
Charger ASC 30-36 V »AIR COOLED«	■	■	
Storage slipcase	■	■	■

**Product advantages**

- The lightest machines amongst professional hedge trimmers in the 36 V class
- Battery packs with capacity display for checking the charge status
- 3-year warranty on battery packs thanks to the combined elements of Ultra-M technology
- Blades with special geometry generate less wear and thus deliver 200% longer service life
- Clean cut thanks to double diamond-ground blade teeth at an optimum 30° angle
- Lower safety blade for high safety at work
- Top cutting performance generated by double reduction gearing
- Pleasant to work with thanks to low-vibration run, perfect ergonomics and soft-grip handle
- Safety features include electronic quick stop of the blade (in 0.3 seconds)
- Trigger-guard with twig feed protects user and gearing from kickback
- Ultra-M technology for highest performance, gentle efficient charging, optimum energy utilisation and long service life.

**System components**

Accessories → 555 | Battery packs → 64

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Technical data	Hedge Trimmer HS 45	Hedge Trimmer HS 55	Hedge Trimmer HS 65
Cutting strength	18 mm	18 mm	18 mm
Cutting length	45 cm	55 cm	65 cm
Blade clearance	28 mm	28 mm	28 mm
No of strokes (no load)	3,100 /min	3,100 /min	3,100 /min
Rated input power	450 W	450 W	450 W
Weight (without power cable)	3.4 kg	3.6 kg	3.8 kg
Cable length	0.3 m	0.3 m	0.3 m

**Scope of delivery**

Order number	620016	620017	620018
Trigger guard	■	■	■
Container	■	■	■

**Product advantages**

- Patented mechanical quick blade stop (in 0.05 seconds) for improved safety
- Clean cut thanks to double diamond-ground blade teeth at an optimum 30° angle
- Safety lower blade for high safety at work
- Metabo S-automatic safety clutch: Protects blades and gears when debris or large branches stop the blades
- Cable strain relief prevents the unintentional disconnection of the plug-in connection
- Trigger-guard with twig feed protects user and gear from debris and kickbacks

**System components**

Accessories → 555



Technical data	Hedge Trimmer HS 8745	Hedge Trimmer HS 8755	Hedge Trimmer HS 8765
Cutting strength	20 mm	20 mm	20 mm
Cutting length	45 cm	55 cm	65 cm
Blade clearance	34 mm	34 mm	34 mm
No of strokes (no load)	3,100 /min	3,100 /min	3,100 /min
Rated input power	560 W	560 W	560 W
Weight (without power cable)	3.8 kg	3.9 kg	4 kg
Cable length	0.3 m	0.3 m	0.3 m

**Scope of delivery**

Order number	608745	608755	608765
Trigger guard	■	■	■
Container	■	■	■

**Product advantages**

- Patented Metabo handle system with additional switch for up to 50% more reach and range
- Low weight avoids fatigue when working
- Patented mechanical quick blade stop (in 0.05 seconds) for improved safety
- Blades with special geometry generates less wear and thus deliver 200% longer service life
- Clean cut thanks to double diamond-ground blade teeth at an optimum 30° angle
- Lower safety blade for high safety at work
- Metabo S-automatic safety clutch: Protects blades and gears when debris or large branches stop the blades
- Fatigue-proof operation due to ergonomic full grip bow-type handle design and optimum centre of gravity position
- Very quiet running due to shear blades running in opposite direction
- User-friendly guidance of machine exhaust in all working situations
- Easy servicing thanks to cable replacement cover
- Cable strain relief prevents the unintentional disconnection of the plug-in connection
- Trigger-guard with twig feed protects user and gear from debris and kickbacks

**System components**

Accessories → 555



Technical data	Hedge Trimmer HS 8855	Hedge Trimmer HS 8865	Hedge Trimmer HS 8875
Cutting strength	26 mm	26 mm	26 mm
Cutting length	55 cm	65 cm	75 cm
Blade clearance	34 mm	34 mm	34 mm
No of strokes (no load)	2,900 /min	2,900 /min	2,900 /min
Rated input power	660 W	660 W	660 W
Weight (without power cable)	4.1 kg	4.2 kg	4.4 kg
Cable length	0.3 m	0.3 m	0.3 m

Scope of delivery

Order number	608855	608865	608875
Trigger guard	■	■	■
Container	■	■	■

Product advantages

- Double reduction gearing for particularly high cutting performance
- Patented Metabo handle system with additional switch for up to 50% more reach and range
- Low weight avoids fatigue when working
- Patented mechanical quick blade stop (in 0.05 seconds) for improved safety
- Blades with special geometry generates less wear and thus deliver 200% longer service life
- Clean cut thanks to double diamond-ground blade teeth at an optimum 30° angle
- Lower safety blade for high safety at work
- Metabo S-automatic safety clutch: Protects blades and gears when debris or large branches stop the blades
- Fatigue-proof operation due to ergonomic full grip bow-type handle design and optimum centre of gravity position
- Very quiet running due to shear blades running in opposite direction
- User-friendly guidance of machine exhaust in all working situations
- Particularly easy to service thanks to carbon brush and cable replacement cover
- Cable strain relief prevents the unintentional disconnection of the plug-in connection
- Trigger-guard with twig feed protects user and gear from kickbacks



System components

Accessories → 555

Accessories for Hedge Trimmers





Hedge Trimmer Maintenance Oil

- Based on natural oil, biodegradable

		Order number
	<b>Hedge Trimmer Maintenance Oil Spray</b> Pump-spray-can, with 0.3 litre capacity Sales unit: 1 Packaging unit: 6	630475000
	<b>Hedge Trimmer Maintenance Oil 1 l</b> Sales unit: 1 Packaging unit: 6	630474000



Hedge Trimming Blade for Quick Models

- For a quick blade change without tools
- For trimming hedges with different blade lengths: large surfaces with long cutter bars; filigree profile cuts with short cutter bars
- All cutter bars fit on all hedge trimmers with »Quick« blade change

	Blade length mm	Order number
	450	624575000
	550	624576000
	650	624577000
	750	624578000

Accessories for Chain Saws

Saw chains

		Order number
	<b>Saw Chains</b> For Kt 1441; division: 3/8" ; drive links: 57	631670000*
	<b>Saw Chains</b> For Kt 1440; division: 3/8" ; drive links: 59	631435000*

\*Self-service packaging

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## MetaLoc

- Extremely robust, unbreakable boxes with a wide carrying handle
- A very carefully thought-out internal box system. Used correctly you can always ensure that you have the correct accessory with the right tool. Special inserts for storing accessories and small parts
- ...and transferring them from box to box - boxes can be stacked and connected - well-structured storage system for the workshop, the vehicle, anywhere.
- Numerous possible uses, e.g. with individually configurable foam inserts (accessories)
- The MetaLoc stays in shape – even at extreme temperatures (-40° to +90°C)
- No protruding parts, and thus no danger of getting caught up, e.g. on construction sites

## MetaLoc for Machines



**MetaLoc II**  
Dimensions: 396 x 296 x 157.5 mm

	Order number
<b>MetaLoc II</b> MetaLoc II, empty, without inserts	626431000
<b>MetaLoc II</b> Suitable for paint remover Lf 724	626434000
<b>MetaLoc II</b> Suitable for PowerMaxx 12, PowerImpact, PowerMaxx BS, PowerMaxx SSD	626440000
<b>MetaLoc II</b> Suitable for PowerMaxx ASE	626441000
<b>MetaLoc II</b> Suitable for SRE 4350/ 4351 TurboTec	626442000
<b>MetaLoc II</b> Suitable for STE/ STEB 140, STA 18 LTX	626443000
<b>MetaLoc II</b> Suitable for BE 75/ 1300 Quick, SBE 850	626444000
<b>MetaLoc II</b> Suitable for all cordless drills/screwdrivers and impact drills	626446000
<b>MetaLoc II</b> Suitable for all hot air guns	626447000



**MetaLoc III**  
Dimensions: 396 x 296 x 210 mm

	Order number
<b>MetaLoc III</b> empty MetaLoc III, without inserts	626432000
<b>MetaLoc III</b> Suitable for SXE 425/ 450 TurboTec	626436000



**MetaLoc IV**  
Dimensions: 396 x 296 x 315 mm

	Order number
<b>MetaLoc IV</b> empty MetaLoc IV, without inserts	626433000
<b>MetaLoc IV</b> Suitable for OFE 1229	626435000
<b>MetaLoc IV</b> Suitable for KS 55 FS, KSE 55 Vario, KS 66 Plus, KS 68 Plus Dimensions: 396 x 296 x 315 mm	626438000

## MetaLoc with accessory inserts



**MetaLoc II**  
MetaLoc II with perforated foam insert

	Order number
	626449000

## Metadepot



**Metadepot**  

- For practical storage of hoses, cables and accessories.
- Permits the combination of the Metabo all-purpose vacuum cleaners with the MetaLoc system suitable for: ASR 2025, ASR 2050, SHR 2050 M, ASR 25 L SC, ASR 50 L SC, ASR 50 M SC

 Sales unit: 1



	Order number
	631937000

## Plastic Carry Case

## Plastic carry case MC 10 / MC 20



- A plastic carry case made from particularly strong material and robust metal fasteners that guarantee a long service life of the case.
- Optimised handle position for carrying of two carry cases with the same hand.
- Optional extension of the case by the accessory boxes "PlusBox R" and "PlusBox L" (accessories). Up to 2 Plus Boxes can be attached to the sides of the carry case.

	Order number
<b>Plastic carry case MC 20 neutral</b> Plastic carry case with perforated foam inlay for customisation. Suitable for Metabo drills and impact drills, Cordless drill/screwdriver, cordless impact drill, hammer drills, combi hammers, multi hammers (2-3 kg class), all Metabo angle grinders (mains or cordless) up to disks - 125 mm Ø, paint remover, jigsaws, screwdrivers, etc Dimensions: 495 x 320 x 132 mm	623854000
<b>Plastic carry case MC 20 WS</b> Plastic carry case suitable for all Metabo angle grinders up to disc Ø 125 mm. Dimensions: 495 x 320 x 132 mm	623857000
<b>Plastic carry case MC 10 battery pack BS / battery pack SB</b> Plastic carry case suitable for all cordless drill/screwdrivers, cordless impact drills and cordless impact driver Dimensions: 495 x 320 x 112 mm	623855000
<b>Plastic carry case MC 10 BH/SB</b> Plastic carry case suitable for all rotary drills, combination hammers (except KHE 3250 and KHE 3251), multi hammers (2-3 kg class) and all impact drills Dimensions: 495 x 320 x 112 mm	623856000

	Order number
<b>Plastic carry case MC 10 STE</b> Plastic carry case suitable for all Metabo jigsaws with aluminium die-cast gear housing Dimensions: 495 x 320 x 112 mm	623858000
<b>Plastic carry case MC 05 neutral</b> Plastic carry case with perforated foam inlay for individual customisation. Suitable for Metabo cordless drill/screwdrivers, cordless impact drills, paint removers, jigsaws, screwdrivers etc. Dimensions: 390 x 320 x 111.5 mm	623860000
<b>Plastic carry case MC 05 battery pack BS / battery pack SB</b> Plastic carry case suitable for all cordless drill/screwdrivers, cordless impact drills and cordless impact drivers Dimensions: 390 x 320 x 111.5 mm	623859000

#### Accessory boxes for carry case MC 10 / MC 20



- Plastic accessory box for individual storage of diverse accessories.
- Optional extension of tool machine case MC 10 and MC 20
- Up to 2 Plus Boxes can be attached to the sides of the carry case.
- Equipped with three partitions and wall mounting as standard



	Order number
<b>PlusBox L</b> Especially for fixing on the left side of the case Dimensions: 116 x 320 x 112 mm	623851000
<b>PlusBox R</b> Especially for fixing on the right side of the case Dimensions: 116 x 320 x 112 mm	623852000





#### More Plastic Carry Cases

	Order number
<b>Plastic carry case</b> Carry case suitable for SXE 425 Turbo Tec, SXE 450 Turbo Tec, SXE 425, SXE 425 XL, SXE 450 Duo Dimensions: 165 x 515 x 275 mm	623894000
<b>Plastic carry case</b> Plastic carry case suitable for all Metabo angle grinders with disc Ø 180 mm and 230 mm Dimensions: 175 x 730 x 315 mm	625451000

#### Sheet Steel Carry Cases

	Order number
 <b>Metal carry case</b> For all angle grinders with disc diameters of 180 mm and 230 mm Dimensions: 170 x 675 x 275 mm	623874000
 <b>Metal carry case</b> For planer Ho 0882 Dimensions: 195 x 395 x 285 mm	631382000

#### Tool Bags

	Order number
 <b>Tool bag (small)</b> <ul style="list-style-type: none"> <li>■ The robust and compact Metabo tool bag</li> <li>■ On the inside of the bag there are three bag compartments with hook and loop straps to take two battery packs and one charger</li> <li>■ On the outside there is a spacious pocket with zipper and two other small pockets on the left and right head with hook and loop closure for quick access</li> <li>■ Comfortable side pads and padded shoulder strap</li> <li>■ Three reflective Metabo logos for optimum visibility on the construction site</li> <li>■ Stable, integrated base plate with strips to protect the bag contents</li> <li>■ Material: water-repellent and tear-proof 600D polyester</li> <li>■ Dimensions: 460 x 260 x 280 mm</li> </ul>	657006000
 <b>Tool bag (large)</b> <ul style="list-style-type: none"> <li>■ The large, practical Metabo tool bag</li> <li>■ On the inside of the bag there are five bag compartments with hook and loop straps to take three battery packs, one charger and accessories</li> <li>■ On the outside there are two spacious pockets with zipper and three other small pockets for quick access</li> <li>■ Comfortable side pads and padded shoulder strap</li> <li>■ Three reflective Metabo logos for optimum visibility on the construction site</li> <li>■ Stable, integrated base plate with strips to protect the bag contents</li> <li>■ Material: water-repellent and tear-proof 600D polyester</li> <li>■ Dimensions: 670 x 290 x 325 mm</li> </ul>	657007000



## Safety goggles



## Protective goggles

- Perfect all-round protection, large field of vision thanks to specially shaped lens
- Excellent ventilation thanks to optimally integrated temple concept
- Special coating (outside scratch-proof, inside anti-fog)
- Lens colourless, UV 2 - 1.2

Order number

623751000\*



## Protective goggles

- Perfect all-round protection, large field of vision thanks to specially shaped lens
- Excellent ventilation thanks to optimally integrated temple concept
- Special coating (outside scratch-proof, inside anti-fog)
- Grey lens, UV 5 - 2.5

Order number

623752000

## Working gloves M1



- Tailored protective glove
- Finish made from easy-grip, soft Amara leather on the palm, high degree of flexibility and grip
- Protection from mechanical stress
- Abrasion-proof, breathable
- Does not contain any substances known to cause allergies
- DIN EN 388 (2121)

Order number

Working gloves M1, size 9

623757000\*

Working gloves M1, size 10

623758000\*

## Working gloves M2



- Ideally shaped 5-finger knitted glove made from PA/Spandex, palm coated in black Nitrile/PU
- Breathable
- Excellent safe grip
- Does not contain any substances known to cause allergies
- DIN EN 388 (3131)

Order number

Working gloves M2, size 9


623759000\*

Working gloves M2, size 10

623760000\*


## Bit-Box 15 pieces

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for fast and simple detection of the suitable bit; high-quality, robust box; attractive sales display
- Magnetic quick change adapter

comprising:		Sales unit / sales display	Order number
	S 2-bits L= 25 mm (14 pieces): ⊕ PH1, PH2 ⊗ PZ1, PZ2 ⊖ SL4, SL6 ○ H3, H4, H5 ⊕ T10, T15, T20, T25, T30  1 x magnetic quick change bit holder	1 piece / 24 pieces	626703000


## Bit-Box and ratchet set 26 pieces

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for fast and simple detection of the suitable bit; high-quality, robust box; attractive sales display
- High-quality ratchet; socket wrench made from chrome vanadium steel

comprising:		Sales unit / sales display	Order number	
	S 2-bits L= 25 mm (18 pieces): ⊕ PH1, PH2, PH3 ⊗ PZ1, PZ2, PZ3 ⊖ SL4, SL5.5, SL6.5 ○ H3, H4, H5, H6 ⊕ T10, T15, T20, T25, T30	Socket wrenches (6 pieces) 1/4", 6 mm, 7 mm, 8 mm, 10 mm, 13 mm;  1 x extension 1 x ratchet	1 piece / 12 pieces	626701000


## Bit-Box 29 pieces

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for fast and simple detection of the suitable bit; magnetic quick change adapter; high-quality, robust box in special Metabo design, with extendable Euro hole hanger; attractive sales display

comprising:		Sales unit / sales display	Order number	
	S 2-bits L= 25 mm (21 pieces): ⊕ PH1 x 1, PH2 x 2, PH3 x 1 ⊗ PZ1 x 1, PZ2 x 2, PZ3 x 1 ⊖ SL3 x 1, SL5 x 1 ○ H3 x 1, H4 x 1, H5 x 1, H6 x 1 ⊕ T10 x 1, T15 x 1, T20 x 2, T25 x 1, T30 x 1, T40 x 1	L = 50 mm (6 pieces): ⊕ PH2 x 1 ⊗ PZ2 x 1 ⊕ T20 x 1, T25 x 1 ⊖ SL4 x 1 ○ H4 x 1  1 x Adapter 1 x Magnetic quick change bit holder	1 piece / 12 piece	626710000


## Bit-Box 29 pieces + mini flash light

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for fast and simple detection of the suitable bit; magnetic quick change adapter; high-quality, robust box in special Metabo design, with extendable Euro hole hanger; attractive sales display, including mini flash light: CREE-LED, 100 Lumens, luminous range 100 m, duration of illumination 180 min


comprising:		Sales unit / sales display	Order number	
	S 2-bits L= 25 mm (21 pieces): ⊕ PH1 x 1, PH2 x 2, PH3 x 1 ⊗ PZ1 x 1, PZ2 x 2, PZ3 x 1 ⊖ SL3 x 1, SL5 x 1 ○ H3 x 1, H4 x 1, H5 x 1, H6 x 1 ⊕ T10 x 1, T15 x 1, T20 x 2, T25 x 1, T30 x 1, T40 x 1	L = 50 mm (6 pieces) ⊕ PH2 x 1 ⊗ PZ2 x 1 ⊕ T20 x 1, T25 x 1 ⊖ SL4 x 1 ○ H4 x 1  1 x Adapter 1 x Magnetic quick change bit holder 1 x Mini flash light	1 piece / 12 piece	626721000

Bit-Box 32 pieces

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for fast and simple detection of the suitable bit; high-quality, robust box; attractive sales display
- Magnetic quick change adapter
- With adapter for sockets (socket wrench adapter)


comprising:		Sales unit / sales display	Order number
	S 2-bits L= 25 mm (30 pieces): ⊕ PH1, PH2 x 2, PH3 ⊕ PZ1, PZ2 x 2, PZ3 ⊖ SL3, SL4, SL5, SL6 ⊖ H3, H4, H5, H6 ⊕ T10, T15, T20, T25, T27, T30, T40 ⊖ T10, T15, T20, T25, T27, T30, T40	1 x Adapter 1 x magnetic quick change bit holder 65 mm	1 piece / 12 pieces <b>626700000</b>

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for faster and simpler detection of the suitable bit
- Magnetic quick change adapter

comprising:		Sales unit / sales display	Order number
	S 2-Bits, L = 25 mm ⊕ T10 x 3; T15 x 3; T20 x 6 T25 x 6; T27 x 3; T30 x 6; T40 x 4	1 x Magnetic bit holder 65 mm	1 piece / 12 pieces <b>626709000</b>


Bit-Box 56 pieces

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for fast and simple detection of the suitable bit; high-quality, robust box; attractive sales display
- Magnetic quick change adapter

comprising:		Sales unit / sales display	Order number
	S2-Bits, L = 25 mm (48 pieces): ⊕ PH1 x 3, PH2 x 3, PH3 x 3 ⊕ PZ1 x 3, PZ2 x 3, PZ3 x 3 ⊖ SL4 x 2, SL5 x 2, SL6 x 2 ⊖ H3, H4, H5 ⊕ T10 x 2, T15 x 2, T20 x 2, T25 x 2, T27 x 2, T30 x 2, T40 x 2 ⊕ T10, T15, T20, T25, T27, T30, T40	L = 75 mm (7 pieces): ⊕ PH2, PH3 ⊕ PZ1, PZ2 ⊖ SL6 ⊖ T20, T25 1 x magnetic quick change bit holder	1 piece / 12 pieces <b>626702000</b>


Bit-Box 71 pieces

- Bits made of chrome vanadium steel (S2 quality); bits with colour coding: for fast and simple detection of the suitable bit; high-quality, robust box; attractive sales display
- Magnetic quick change and bit holder

comprising:		Sales unit / sales display	Order number
	S2-Bits, L = 25 mm (60 pieces): ⊕ PH1 x 3, PH2 x 6, PH3 x 3 ⊕ PZ1 x 3, PZ2 x 6, PZ3 x 3 ⊖ SL4 x 3, SL6 x 3 ⊖ H4 x 3, H5 x 3, H6 x 3 ⊕ T10 x 3, T15 x 3, T20 x 3, T25 x 3, T27 x 3, T30 x 3, T40 x 3	L = 75 mm (9 pieces): ⊕ PH1, PH2, PH3 ⊕ PZ1, PZ2 ⊖ SL4, SL6 ⊖ T20, T25 1 x magnetic quick change bit holder 1 x magnetic bit holder	1 piece / 6 pieces <b>626704000</b>


Accessory set in carry case, 55 pieces

- High-quality, robust box in special Metabo design; attractive sales display

comprising:		Sales unit / sales display	Order number
	HSS-TiN drill bits for metal (14 pieces): Ø 1,5 mm x 2; Ø 2 mm x 2; Ø 2,5 mm; Ø 3 mm x 2; Ø 3,5 mm; Ø 4 mm; Ø 4,5 mm; Ø 5 mm; Ø 5,5 mm; Ø 6 mm; Ø 6,5 mm Carbide masonry drill bit (7 pieces): Ø 4 mm; Ø 5 mm; Ø 6 mm x 2; Ø 7 mm; Ø 8 mm; Ø 10 mm CV wood drill bit (5 pieces): Ø 4 mm, Ø 5 mm, Ø 6 mm, Ø 8 mm, Ø 10 mm Flat timber drill bit (2 pieces): Ø 16 mm; Ø 22 mm	S 2-bits L= 25 mm (18 pieces): ⊕ PH1, PH2 x 2, PH3 ⊕ PZ1, PZ2 x 2, PZ3 ⊖ SL4, SL6, SL7 ⊖ H3, H4, H5, H6 ⊖ T15, T20, T25 Socket wrenches 4 pieces) 7 mm, 8 mm, 9 mm, 10 mm 1 x template 1 x wallpaper trimming knife 1 x magnetic bit holder 1 x countersink 1 x socket spanner adapter	1 piece / 6 pieces <b>626707000</b>

Accessory set in carry case, 86 pieces

- High-quality, robust box in special Metabo design; attractive sales display

comprising:		Sales unit / sales display	Order number
	HSS-TiN metal drill bit (14 pieces): Ø 1,5 mm x 2, Ø 2 mm x 2, Ø 2,5 mm, Ø 3 mm x 2, Ø 3,5 mm, Ø 4 mm, Ø 4,5 mm, Ø 5 mm, Ø 5,5 mm, Ø 6 mm, Ø 6,5 mm Carbide masonry drill bit (7 pieces): Ø 4 mm, Ø 5 mm, Ø 6 mm x 2, Ø 7 mm, Ø 8 mm, Ø 10 mm CV wood drill bit (5 pieces): Ø 4 mm, Ø 5 mm, Ø 6 mm, Ø 8 mm, Ø 10 mm Flat timber drill bit (4 pieces): Ø 12 mm, Ø 16 mm, Ø 19 mm, Ø 25 mm	S2-Bits, L = 25 mm (32 pieces): ⊕ PH0, PH1 x 2, PH2 x 2, PH3 x 2 ⊕ PZ0, PZ1 x 2, PZ2 x 2, PZ3 x 2 ⊖ SL3, SL4 x 2, SL6 x 2, SL7 ⊖ H3, H4, H5 x 2, H6 ⊖ T10, T15 x 2, T20 x 2, T25, T30 L = 50 mm (8 Stück): ⊕ PH1, PH2, PH3 ⊕ PZ1, PZ2, PZ3 ⊖ T15, T20 Depth guide sleeve (4 pieces) 3 mm, 5 mm, 8 mm, 10 mm Socket wrenches (8 pieces) 5 mm, 6 mm, 7 mm, 8 mm, 9 mm, 10 mm, 11 mm, 12 mm 1 x wood countersink 1 x magnetic bit holder 1 x Ø ruler 1 x allen key	1 piece / 6 pieces <b>626708000</b>


Wood drill bit storage case, 8-pieces

- In high-quality, robust plastic cassette in special Metabo design with extendable Euro hole punch
- Wood spiral drill bit made of high-grade chrome vanadium steel, hardened, with centring point. For use in hard and soft wood, plywood, chipboards, etc.

comprising:		Sales unit / sales display	Order number
	Ø 3 mm, Ø 4 mm, Ø 5 mm, Ø 5,5 mm, Ø 6 mm, Ø 7 mm, Ø 8 mm, Ø 10 mm	1 piece / 10 pieces	<b>626705000</b>

**Masonry drill bit storage case, 8-pieces**

- In high-quality, robust plastic cassette in special Metabo design with extendable Euro hole punch
- Carbide masonry drill bit for drills and impact drills, milled version, suitable for drilling bricks, masonry, etc.

comprising:		Sales unit / sales display	Order number
	Ø 3 mm, Ø 4 mm, Ø 5 mm, Ø 5,5 mm, Ø 6 mm, Ø 7 mm, Ø 8 mm, Ø 10 mm	1 piece / 10 pieces	626706000

**Bit-Box 9 pieces**

- Colour-coded bits; magnetic bit holder

comprising:		Version	Sales unit / sales display	Order number
	S2-Bits, L = 25 mm (8 pieces): ⚙ PH1, PH2 ⚙ PZ1, PZ2 ⚙ SL5.5 ⚙ H4 ⚙ T20, T25 1 x magnetic bit holder	9 pieces	1 piece / 21 pieces	630419000

**SDS-plus storage case, 4 pieces**

- 4 pieces, in plastic storage case
- SDS-plus drill bit with high-quality carbide drill tip
- Dynamic, chisel-shaped bit head
- Large-volume S-spiral geometry ensures quick drill dust extraction
- Good drilling performance with good tool life
- For use in concrete, masonry, natural stone

Diameter	Length	Sales unit / sales display	Order number	
	Ø 5, 6, 8, 10 mm	L = 160 mm	1 piece / 10 pieces	625580000


**SDS-plus chisel set , 2 pieces**

- Comprising: 1 pointed chisel L = 200 mm, 1 x flat chisel 20 x 200 mm
- For general chiselling and demolition work of masonry, concrete and loose stones.

Version		Sales unit / sales display	Order number
	2 pieces	1 piece / 6 pieces	630486000

**SDS-max chisel set, 2 pieces**

- Comprising: 1 pointed chisel L = 360 mm, 1 x flat chisel 25 x 360 mm
- For general chiselling and demolition work of masonry, concrete and loose stones.

Sales unit / sales display		Order number
	1 piece / 6 pieces	623309000

**HSS-R bit storage case**

- Drill bits for metal, HSS-R, roll-milled version, cylindrical, type N, 118° cone-shaped, shell polished surface, in metal case
- Suitable for drilling in steel, non-ferrous metals, alloyed and non-alloyed cast steel. Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter x bore		Version	Sales unit / sales display	Order number
	1-10 x 0,5 mm	19 pieces	1 piece / 6 pieces	627151000
	1-13 x 0,5 mm	25 pieces	1 piece / 4 pieces	627152000

**HSS-G drill bit storage case**

- HSS-G Metal drill bits, ground version, cylindrical, DIN 338, type N, 135° crosswise grinding, blank surface, in metal case
- Suitable for drilling steel and cast steel, alloyed and unalloyed, grey cast iron, malleable cast iron, ductile cast iron, sintered iron, nickel silver, graphite, non-ferrous metals, plastic; Up to 900 N/mm<sup>2</sup> tensile strength.

Diameter x bore		Version	Sales unit / sales display	Order number
	1-10 x 0,5 mm	19 pieces	1 piece / 6 pieces	627153000
	1-13 x 0,5 mm	25 pieces	1 piece / 4 pieces	627154000

**HSS-TiN drill bit storage case**

- Drill bits for metal, HSS-TiN, titanium nitrate alloy version, ground, cylindrical, type N, 135° crosswise grinding, gold-coloured surface, in metal case. HSS-TiN drill bit not suitable for processing aluminium!
- Ø 1-10 x 0.5 mm; Suitable for drilling steel and cast steel, alloyed and unalloyed, grey cast iron, non-ferrous metals, plastic; up to 900 N/mm<sup>2</sup> tensile strength.

Diameter x bore		Version	Sales unit / sales display	Order number
	1-10 x 0,5 mm	19 pieces	1 piece / 6 pieces	627156000

**HSS-CO drill bit storage case**

- Drill bits for metal, HSS-CO, cobalt alloy version, ground, cylindrical, type N, 135° crosswise grinding, bronze surface, 19 pieces, in metal case
- Ø 1 - 10 x 0.5 mm; Suitable for drilling in steel, VA-steel, cast steel, non-ferrous metals, plastics, special alloys; up to 1100 N/mm<sup>2</sup> tensile strength

Diameter x bore		Version	Sales unit / sales display	Order number
	1-10 x 0,5 mm	19 pieces	1 piece / 6 pieces	627157000

**Cutting discs Inox, TF 41, in metal tin**

- Universal disc for processing high-grade steels/stainless steels
- Low in iron, sulphur and chlorine (Fe + S + Cl ≤ 0.1 %)
- Good cutting performance with good tool life.
- Low material consumption, power-saving, low machine load



Quality Class	Diameter x thickness x bore	Version	Maximum speed	Sales unit / packaging unit	Order number
A 60 R	115 x 1 x 22,23 mm	straight	13,200 /min	1/10 pieces	616358000
A 60 R	125 x 1 x 22,23 mm	straight	13,200 /min	1/10 pieces	616359000

**Diamond cutting disc "Universal", segmented**

- For general construction/building site materials such as concrete, exposed aggregate concrete, hard sandstone, clay tiles.
- Sintered diamond segments
- Segment height: 7.0 mm
- Maximum working speed: 80 m/s



Diameter x bore	Segment width	Maximum speed	Sales unit / sales display	Order number
115 x 22,23 mm	7 mm	13,300 /min	1 piece / 10 pieces	624306000
125 x 22,23 mm	7 mm	12,200 /min	1 piece / 10 pieces	624307000
150 x 22,23 mm	7 mm	10,200 /min	1 piece / 10 pieces	624308000
180 x 22,23 mm	7 mm	8,500 /min	1 piece / 10 pieces	624309000
230 x 22,23 mm	7 mm	6,600 /min	1 piece / 10 pieces	624310000

- 10 x Storage cases in a sales display
- For wood, metal and plastics
- Consisting of 623646000, 623634000, 623631000 x 2, 623633000 x 2, 623632000, 623639000, 623638000, 623637000
- (Corresponds to: T119BO, T101B, T119B x 2, T144D x 2, T111C, T127D, T118B, T118A)



Material suitability	Number of parts	Sales unit / sales display	Order number
wood, metal, plastics	10 pieces	1 piece / 10 pieces	623599000

**Cutter bit assortment, 6 pieces**

- Consisting of: 2 x straight bits: 8 mm; 12 mm; 1 x core-box bits: 12.7 mm, R 6.3mm; 1 x rounding over bit with ball bearing: 21.8 mm, R 6.3 mm; 1 x profile cutter with ball bearing: 25 mm, R 4.5 mm; 1 x V groove bit 12.7 mm 14°



Version	Sales unit / sales display	Order number
6 pieces	1 piece / 6 pieces	631040000

**Cutter bit assortment, 15 pieces**

- Consists of: 4 x straight bits: 6 mm; 10 mm; 12 mm; 16 mm; 3 x core-box bits: 12.7 mm, R 6.3 mm; 9.5 mm, R 4.8 mm; 21.8 mm, R 6.3 mm; 1 x chamfer/bevelling tool: 31.5 mm, 45°, 1 x V groove bit: 12.7 mm, 90°; 2 x rounding over bit: 28.1 mm, R 9.5 mm; 21.8 mm, R 6.3 mm. 1 x bevelling tool: 12.7 mm; 1 x dovetailing bit: 12.7 mm, 14°, 1 x profile cutter: 25 mm; R 4.5 mm, 1 x rebating bit: 22.2 mm



Version	Sales unit / sales display	Order number
15 pieces	1 piece / 6 pieces	631039000

# ACCESSORY MODULES: WELL THOUGHT OUT IN DETAIL.

The high quality of the Metabo accessory program, plus an optimal presentation warrant a successful and lucrative accessory business.



- Attractive sales modules for high-turnover product areas, e.g. drills, hole saws, jigsaw blades
- Lockable sales cabinets for drills
- Clear product information with colour system on the head bands
- Behind the hinged header panel, clear article designation with EAN Code, Order No., dimensions and price section. Thus quick and safe identification of product and reordering without problems.

- Flexible hook system and secure fit of the products
- Presentation option on any wall, in the Metabo accessory presentation system or counter display
- Always within the visual focus of the customer
- Self service vendor system

## Drill Modules, module size 49 x 60 x 36 cm

**Drill bit for metal, HSS-G**  
Standard components 144 pieces  
Order no. 690073000

Ø x GL mm	Units	Order no.
1.0 x 34	5	627950000
1.5 x 40	5	627951000
2.0 x 49	5	627952000
2.5 x 57	5	627953000
3.0 x 61	10	627954000
3.2 x 65	5	627955000
3.5 x 70	5	627957000
4.0 x 75	10	627958000
4.2 x 75	5	627960000
4.5 x 80	5	627961000
4.8 x 86	5	627962000
5.0 x 86	10	627963000
5.5 x 93	5	627966000
6.0 x 93	10	627967000
6.5 x 101	5	627968000
6.8 x 109	3	627969000
7.0 x 109	5	627970000
7.5 x 109	3	627971000
8.0 x 117	10	627973000
8.5 x 117	5	627975000
9.0 x 125	3	627976000
9.5 x 125	3	627977000
10.0 x 133	5	627978000
10.5 x 133	2	627980000
11.0 x 142	2	627981000
11.5 x 142	2	627982000
12.0 x 151	2	627983000
12.5 x 151	2	627984000
13.0 x 151	2	627985000

**Drill bit for metal, HSS-Co**  
Standard components 168 pieces  
Order no. 690074000

Ø x GL mm	Units	Order no.
1.0 x 34	10	627430000
1.5 x 40	5	627431000
2.0 x 49	10	627432000
2.5 x 57	5	627433000
3.0 x 61	10	627435000
3.2 x 65	10	627436000
3.3 x 65	10	627437000
3.5 x 70	5	627438000
4.0 x 75	10	627439000
4.2 x 75	5	627441000
4.5 x 80	5	627442000
4.8 x 86	5	627443000
5.0 x 86	10	627444000
5.5 x 93	5	627447000
6.0 x 93	10	627448000
6.5 x 101	5	627449000
7.0 x 109	5	627451000
7.5 x 109	3	627452000
8.0 x 117	10	627454000
8.5 x 117	5	627456000
9.0 x 125	3	627457000
9.5 x 125	3	627458000
10.0 x 133	5	627459000
10.2 x 133	2	627460000
10.5 x 133	2	627461000
11.0 x 142	2	627462000
11.5 x 142	2	627463000
12.0 x 151	2	627464000
12.5 x 151	2	627465000
13.0 x 151	2	627466000



**Concrete drill bit »pro«**  
Standard components 93 pieces  
Order no. 690083000

Ø x GL mm	Units	Order no.
4.0 x 75	5	627224000
5.0 x 85	10	627225000
5.5 x 85	3	627226000
6.0 x 100	10	627227000
6.5 x 100	3	627228000
7.0 x 100	5	627229000
8.0 x 120	10	627230000
9.0 x 120	3	627389000
10.0 x 120	10	627391000
11.0 x 150	2	627392000
12.0 x 150	3	627393000
13.0 x 150	2	627394000
14.0 x 150	2	627395000
15.0 x 150	2	627396000
16.0 x 150	2	627399000
18.0 x 160	2	627409000
20.0 x 160	2	627410000
5.0 x 150	3	627421000
6.0 x 150	3	627423000
8.0 x 200	3	627426000
10.0 x 200	3	627427000
12.0 x 200	3	627428000
14.0 x 200	2	627429000

**Concrete drill bit »classic«**  
Standard components 93 pieces  
Order no. 690084000

Ø x GL mm	Units	Order no.
4.0 x 75	5	627625000
5.0 x 85	10	627626000
5.5 x 85	3	627627000
6.0 x 100	10	627646000
6.5 x 100	3	627650000
7.0 x 100	5	627651000
8.0 x 120	10	627652000
9.0 x 120	3	627653000
10.0 x 120	10	627654000
11.0 x 150	2	627655000
12.0 x 150	3	627656000
13.0 x 150	2	627657000
14.0 x 150	2	627658000
15.0 x 150	2	627659000
16.0 x 150	2	627661000
18.0 x 160	2	627662000
20.0 x 160	2	627664000
5.0 x 150	3	627665000
6.0 x 150	3	627675000
8.0 x 200	3	627679000
10.0 x 200	3	627697000
12.0 x 200	3	627698000
14.0 x 200	2	627699000

**SDS-Plus drill bit, pro 4**  
Standard components 120 pieces  
Order no. 690086000

Ø x GL mm	Units	Order no.
5.0 x 110	5	631820000
5.0 x 160	5	631821000
6.0 x 110	10	631824000
6.0 x 160	10	631825000
6.0 x 210	5	631826000
8.0 x 110	5	631832000
8.0 x 160	10	631833000
8.0 x 210	5	631834000
8.0 x 260	3	631835000
10.0 x 110	10	631837000
10.0 x 160	10	631838000
10.0 x 210	5	631839000
10.0 x 260	2	631840000
10.0 x 310	2	631841000
12.0 x 160	5	631844000
12.0 x 210	5	631845000
12.0 x 260	2	631846000
14.0 x 160	5	631849000
14.0 x 210	3	631850000
14.0 x 260	2	631851000
14.0 x 310	2	631852000
16.0 x 160	5	631854000
16.0 x 210	2	631855000
16.0 x 310	2	631856000

**SDS Plus drill bit, pro 4 "PREMIUM"**  
Standard components 160 pieces  
Order no. 690424000

Ø x GL mm	Units	Order no.
5.0 x 110	5	626200000
5.0 x 160	5	626201000
5.5 x 110	3	626202000
5.5 x 160	3	626203000
6.0 x 110	8	626204000
6.0 x 160	8	626205000
6.0 x 210	8	626206000
6.0 x 260	8	626207000
6.0 x 310	3	626208000
6.5 x 160	3	626209000
6.5 x 210	3	626210000
6.5 x 260	3	626211000
7.0 x 110	3	626213000
7.0 x 160	3	626214000
8.0 x 110	8	626215000
8.0 x 160	8	626216000
8.0 x 210	8	626217000
8.0 x 260	8	626218000
10.0 x 110	8	626219000
10.0 x 160	8	626220000
10.0 x 210	8	626221000
10.0 x 260	8	626222000
10.0 x 310	5	626223000
12.0 x 160	5	626225000
12.0 x 210	5	626226000
12.0 x 260	3	626227000
12.0 x 310	3	626228000
14.0 x 160	3	626230000
14.0 x 210	3	626231000
14.0 x 310	3	626232000

Drill Modules, module size 49 x 60 x 36 cm

**Universal wood drill bits**  
Standard components 126 pieces  
Order no. 690076000

Ø x GL mm	Units	Order no.
4.0 x 85	5	627680000
5.0 x 85	5	627681000
6.0 x 100	10	627683000
6.0 x 150	10	627684000
8.0 x 120	5	627688000
8.0 x 250	5	627689000
10.0 x 120	3	627691000
10.0 x 250	3	627692000
12.0 x 150	3	627693000
12.0 x 250	3	627694000
3.0 x 61	5	627986000
4.0 x 75	5	627987000
5.0 x 86	5	627988000
6.0 x 93	10	627989000
7.0 x 109	3	627990000
8.0 x 117	10	627991000
9.0 x 120	2	627992000
10.0 x 133	10	627993000
11.0 x 142	2	627994000
12.0 x 151	6	627995000
13.0 x 151	2	627996000
14.0 x 151	4	627997000
15.0 x 160	2	627998000
16.0 x 160	4	627999000
18.0 x 180	2	627339000
20.0 x 200	2	627340000

**Flat timber drill bits, wood drill bits, forstner pattern bits**  
Standard components 92 pieces  
Order no. 690080000

Ø x GL mm	Units	Order no.
10.0 x 160	3	627312000
12.0 x 160	3	627313000
14.0 x 160	3	627315000
16.0 x 160	3	627316000
18.0 x 160	3	627317000
20.0 x 160	3	627319000
25.0 x 160	3	627322000
26.0 x 160	3	627323000
30.0 x 160	3	627325000
36.0 x 160	3	627327000
3.0 x 61	5	627986000
4.0 x 75	5	627987000
5.0 x 86	5	627988000
6.0 x 93	5	627989000
8.0 x 117	5	627991000
10.0 x 133	5	627993000
12.0 x 151	3	627995000
14.0 x 151	3	627997000
16.0 x 160	3	627999000
18.0 x 180	3	627339000
10.0 x 90	2	627579000
12.0 x 90	2	627580000
14.0 x 90	2	627581000
15.0 x 90	2	627582000
20.0 x 90	2	627585000
25.0 x 90	2	627588000
26.0 x 90	2	627589000
30.0 x 90	2	627591000
35.0 x 90	2	627594000
36.0 x 90	2	627595000



**Forstner Pattern Bit**  
Standard components 45 pieces  
Order no. 690081000

Ø x GL mm	Units	Order no.
10.0 x 90	3	627579000
12.0 x 90	3	627580000
14.0 x 90	3	627581000
15.0 x 90	3	627582000
16.0 x 90	3	627583000
18.0 x 90	3	627584000
20.0 x 90	3	627585000
22.0 x 90	2	627586000
24.0 x 90	2	627587000
25.0 x 90	2	627588000
26.0 x 90	2	627589000
28.0 x 90	2	627590000
30.0 x 90	2	627591000
32.0 x 90	2	627592000
34.0 x 90	2	627593000
35.0 x 90	2	627594000
36.0 x 90	2	627595000
38.0 x 90	2	627596000
40.0 x 90	2	627597000

**Auger Bits**  
Standard components 78 pieces  
Order no. 690078000

Ø x GL mm	Units	Order no.
8.0 x 230	3	627124000
10.0 x 230	5	627125000
12.0 x 230	5	627126000
14.0 x 230	5	627127000
16.0 x 230	5	627128000
18.0 x 230	2	627129000
20.0 x 230	2	627130000
22.0 x 230	2	627131000
24.0 x 230	2	627132000
26.0 x 230	2	627133000
28.0 x 230	2	627134000
30.0 x 230	2	627135000
32.0 x 230	2	627136000
8.0 x 460	3	627137000
10.0 x 460	5	627138000
12.0 x 460	5	627139000
14.0 x 460	5	627140000
16.0 x 460	5	627141000
18.0 x 460	2	627142000
20.0 x 460	2	627143000
22.0 x 460	2	627144000
24.0 x 460	2	627145000
26.0 x 460	2	627146000
28.0 x 460	2	627147000
30.0 x 460	2	627148000
32.0 x 460	2	627150000

**Concrete »classic«, wood HSS-G bits**  
Standard components 134 pieces  
Order no. 690085000

Ø x GL mm	Units	Order no.
4.0 x 75	5	627625000
5.0 x 85	5	627626000
6.0 x 100	5	627646000
6.0 x 150	5	627675000
8.0 x 120	5	627652000
8.0 x 200	5	627679000
10.0 x 120	5	627654000
12.0 x 150	3	627656000
14.0 x 150	3	627658000
16.0 x 160	3	627661000
3.0 x 61	5	627986000
4.0 x 75	5	627987000
5.0 x 86	5	627988000
6.0 x 93	5	627989000
8.0 x 117	5	627991000
10.0 x 133	5	627993000
12.0 x 151	3	627995000
14.0 x 151	3	627997000
16.0 x 160	3	627999000
18.0 x 180	3	627339000
3.0 x 61	5	627954000
3.5 x 70	5	627957000
4.0 x 75	5	627958000
4.5 x 80	5	627961000
5.0 x 86	5	627963000
5.5 x 93	5	627966000
6.0 x 93	5	627967000
6.5 x 101	5	627968000
8.0 x 117	5	627973000
10.0 x 133	3	627978000

**Flat timber drill bits, glass drill bits**  
Standard components 75 pieces  
Order no. 690077000

Ø x GL mm	Units	Order no.
8.0 x 160	3	627311000
10.0 x 160	3	627312000
12.0 x 160	3	627313000
13.0 x 160	3	627314000
14.0 x 160	3	627315000
16.0 x 160	3	627316000
18.0 x 160	3	627317000
19.0 x 160	3	627318000
20.0 x 160	6	627319000
22.0 x 160	3	627320000
24.0 x 160	3	627321000
25.0 x 160	3	627322000
26.0 x 160	3	627323000
28.0 x 160	3	627324000
30.0 x 160	3	627325000
32.0 x 160	3	627326000
36.0 x 160	3	627327000
38.0 x 160	3	627328000
(Verl.) 270	3	627329000
4.0 x 65	3	627243000
5.0 x 65	3	627244000
6.0 x 65	3	627245000
8.0 x 65	3	627246000
10.0 x 65	3	627247000

Bit cabinet HSS-R



**Drill-bit cabinet, small**  
■ In the smallest space (37.5 x 23.5 x 20.5 cm) the most important and most powerful HSS bits, roll-milled version

Contents	Order no.
29 dimensions with a total of 490 bits: Ø 1.0–13.0 mm, 0.5 mm ascending, in addition Ø 3.2 mm, 4.2 mm, 4.8 mm, 6.8 mm	690103000



**Drill-bit cabinet, large**  
■ The most important and most powerful HSS bits, roll-milled version

Contents	Order no.
98 dimensions with a total of 945 drill-bits: Ø 1.0–13.0 mm, 0.1 mm ascending, additional Ø 10.2 mm	690106000

Bit cabinets HSS-G



**Drill-bit cabinet, small**  
■ With the smallest dimensions (37.5 x 23.5 x 20.5 cm) the most important and most powerful HSS bits, ground version

Contents	Order no.
29 dimensions with total 410 bits: Ø 1.0 - 13.0 mm: 0.5 mm ascending in addition Ø 3.2 mm, 4.2 mm, 4.8 mm, 6.8 mm	690104000

Hole Saw Module



HSS Bi-Metal hole saws  
Standard components 58 pieces  
Order no. 690425000

Designation	Ø mm	Pieces	Order no.
	19	2	625163000
	20	2	625164000
	25	2	625168000
	29	2	625170000
	32	2	625172000
	35	2	625174000
	38	2	625176000
	40	2	625177000
	44	2	625180000
	51	2	625184000
	57	2	625188000
	60	2	625190000
	64	2	625191000
	68	2	625194000
	76	2	625197000
	83	2	625199000
	95	2	625203000
Pilot drill (6.35 mm)		8	625220000
Adapter SW9 (14-30 mm)		8	625215000
Adapter SW11 (32-152 mm)		8	625216000

Jigsaw Blade Module



Small jigsaw blade module  
Standard components 180 pieces  
Order no. 690101000

Corresponding Bosch type	Useful length mm	Pitch mm	Units	Order no.
T 119 BO	50	1.2	10	623646000
T 119 B	50	2	10	623631000
T 111 C	75	3	10	623632000
T 144 D	75	4	10	623633000
T 244 D	75	4	10	623649000
T 101 D	75	4	10	623635000
T 101 B	75	2.5	10	623634000
T 301 CD	85	3	10	623654000
T 234 X	90	progr.	10	623675000
Assortment			10	623645000
T 118 G	50	0.7	10	623636000
T 118 A	50	1.2	10	623637000
T 118 B	50	2	10	623638000
T 127 D	75	3	10	623639000
T 118 AF	50	1.2	10	623971000
T 318 A	100	1.2	10	623629000
T 123 X	75	progr.	10	623676000
T 345 XF	105	progr.	10	623677000

Jigsaw Blade Module



Large jigsaw blade module  
Standard components 270 pieces  
Order no. 690105000

Corresponding Bosch type	Useful length mm	Pitch mm	Units	Order no.
T 119 BO	50	1.2	10	623646000
T 119 B	50	2	10	623631000
T 111 C	75	3	10	623632000
T 144 D	75	4	10	623633000
T 244 D	75	4	10	623649000
T 144 DP	75	4	10	623694000
T 101 D	75	4	10	623635000
T 101 BR	75	2.5	10	623650000
T 101 B	75	2.5	10	623634000
T 101 AO	50	1.35	10	623651000
T 301 CLF	105	3	10	623977000
T 301 CD	85	3	10	623654000
T 234 X	90	progr.	10	623675000
Assortment			10	623645000
T 118 G	50	0.7	10	623636000
T 118 A	50	1.2	10	623637000
T 218 A	50	1.2	10	623647000
T 118 B	50	2	10	623638000
T 127 D	75	3	10	623639000
T 101 A	75	2	10	623640000
T 118 AF	50	1.2	10	623971000
T 118 EF	50	1.5	10	623972000
T 118 BF	50	2	10	623973000
T 127 DF	75	3	10	623974000
T 318 A	100	1.2	10	623629000
T 123 X	75	progr.	10	623676000
T 345 XF	105	progr.	10	623677000

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613078	43	0130200100	414	616187000	123	616448000	122	616742000	122	623275000	136	623359000	278	623509000	171	623636000	361	623796000	137	623977000	361	624084000	312
613080	76	0130200110	414	616188000	122	616449000	125	616744000	123	623276000	148	623365000	279	623510000	171	623637000	361	623796700	137	623978000	362	624085000	312
613082	76	0192901000	438	616189000	123	616450000	122	616745000	127	623278000	136	623366000	279	623511000	172	623638000	362	623801000	137	623979000	362	624086000	312
613083	77	0193330000	439	616191000	122	616452000	122	616747000	128	623279000	136	623367000	279	623512000	169	623639000	363	623803000	138	623980000	360	624087000	312
613085	77	0200033000	464	616192000	123	616453000	125	616748000	128	623280000	136	623368000	279	623513000	170	623640000	363	623804000	137	623998000	360	624088000	312
613101	61	0250400055	538	616195000	125	616454000	122	616749000	128	623281000	136	623369000	279	623514000	170	623641000	363	623805000	137	623999000	361	624089000	312
614044	294	0250500050	538	616196000	125	616455000	125	616751000	125	623282000	136	623370000	280	623519000	169	623645000	364	623851000	558	624001000	311	624092000	151
614045	294	0250660000	520	616197000	79	616456000	122	616752000	125	623283000	136	623371000	282	623520000	171	623646000	359	623852000	558	624002000	311	624094000	134
614046	295	0250660006	521	616198000	79	616457000	122	616753000	125	623284000	136	623372000	283	623521000	246	623647000	362	623854000	557	624003000	311	624101000	135
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