





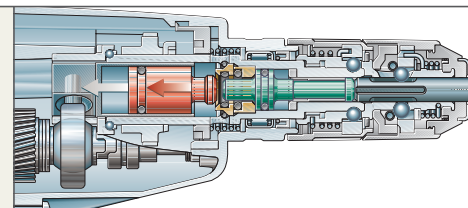
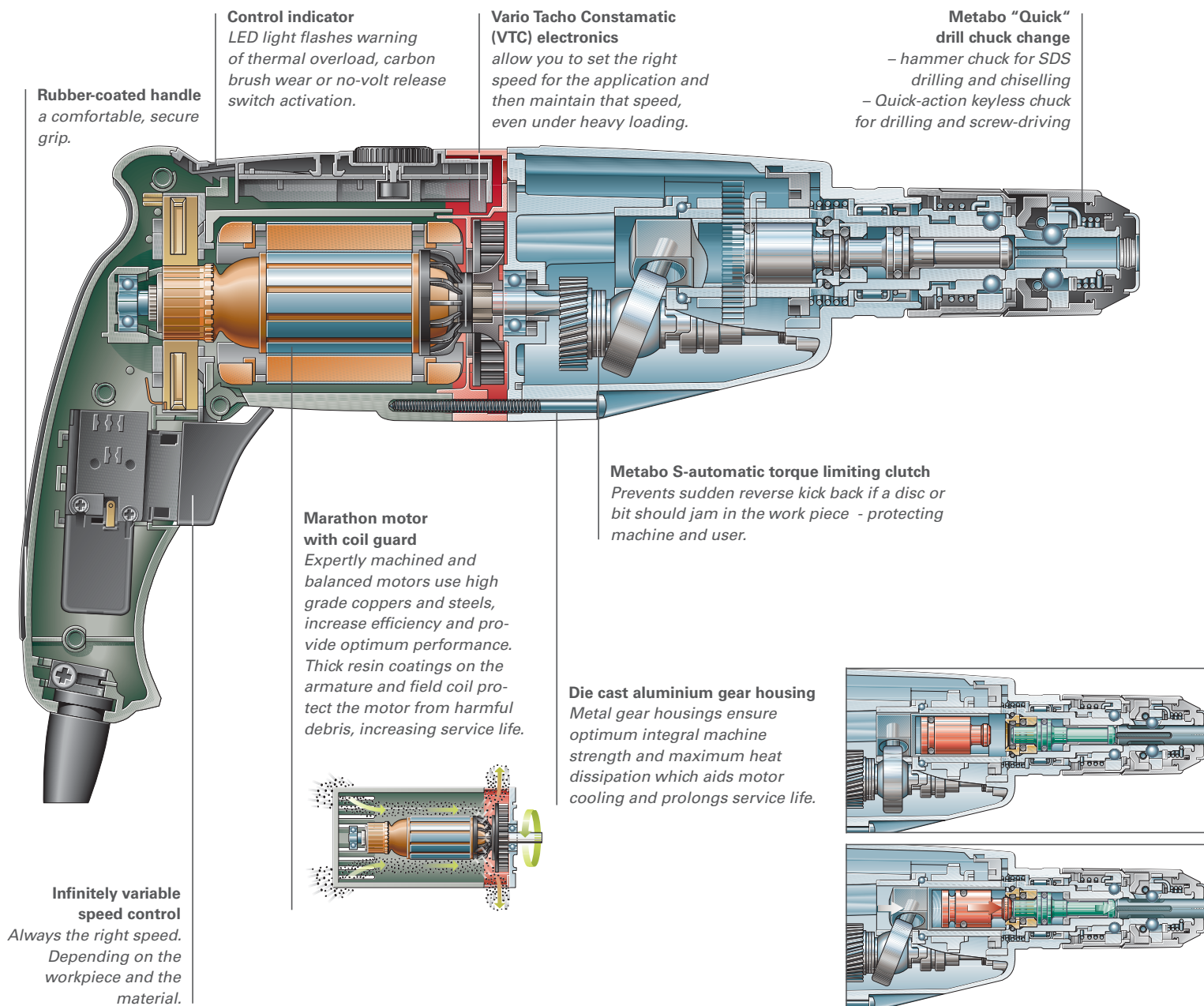
TIME TO GET TOUGH.

When we do something, then we do it right. That is why our hammers are how tools for industry should be: robust, powerful and durable. Our complete range of hammers are shown on the following pages. You are certain to find your power package for the toughest applications: **Metabo. Work. Don't play.**

LET THE MACHINE DO THE WORK.

Metabo has one of, if not the widest SDS hammer range in the market. Our hammers hit hard and are perfect for working in hard materials such as stone or concrete. The pneumatic hammer mechanism generates high-energy

blows allowing the user to effortlessly drive the bit or chisel into masonry. Metabo hammers are versatile, robust, ergonomic, powerful and reliable, all properties that the trade demands.



More intelligent drilling with Metabo "Contact"

The tool stops automatically as soon as the drill tip touches a conductive, earthed material (only in KHE 26 Contact).

Protection against theft by Metabo CODE!

The electronic security system protects against theft and unauthorised use.

More relaxed working due to ergonomics

Ideal adaptation of the design to the user's needs enables safe, comfortable and fatigue-free work.

Optimised hammer mechanism

The already tried and tested Metabo hammer mechanism has been adapted for the Marathon motor and even further improved. This ensures maximum drilling performance.

METAL PROCESSORS

HAMMERS

COMMON FEATURES

- Suitable for bits and accessories with SDS-plus shank end
- With the appropriate accessories, it is also suitable for bits and accessories with cylindrical shank end (no impact)
- Pneumatic high-performance hammer mechanism
- Hammer stop
- Light and fast

- Favourable centre of gravity position
- Clockwise and anticlockwise rotation
- Easy and quick change of battery pack
- Metabo VibraTech (MVT): Active or passive vibration damping system help reduce the risk of developing vibration white finger and increase use safety and comfort



	18 Volt Cordless Rotary Hammer BHA 18	24 Volt Cordless Combination Hammer KHA 24	
Special advantages			
■ The handy lightweight within the 18 Volt class	•		
■ Die cast aluminium gear housing		•	
■ Sheathed die cast aluminium gear housing	•		
■ Rotation stop for chiselling		•	
■ Variospeed (V) electronics	•		
■ Vario Tacho Constamatic (VTC) full-wave electronics		•	
■ Metabo S-automatic torque limiting clutch	•		
■ Torque limiting clutch		•	
■ Rubber-coated handle		•	
■ Carrying belt	•		
■ Maximum system flexibility through free combination of chargers and battery packs (within a voltage class)	•		
■ Metabo CODE! system		•	
■ With "AIR COOLED" super quick charger ASS 15 Plus for charging NiCd, NiMH and Li-Ion battery packs; with refresh function; charge time approx. 25 minutes (at 2.0 Ah)		•	
Comparative device characteristics			
Drilling capacity in			
- Concrete	18 mm	20 mm	
- Steel	10 mm	13 mm	
- Softwood	22 mm	22 mm	
No load speed	0 - 1.100 /min	0 - 1.000 /min	
Maximum impact rate	4.900 /min	4.700 /min	
Maximum single-blow energy	1,6 J	2,2 J	
Bit retainer	SDS-plus	SDS-plus	
Weight (including Li-Ion battery pack)	2,9 kg	3,7 kg	
Standard equipment	2 battery packs, Metabo VibraTech (MVT) side handle, carrying belt, "AIR COOLED" quick charger, carry case	2 battery packs, Metabo VibraTech (MVT) side handle, drilling depth guide, "AIR COOLED" super quick charger, carry case	
Battery packs and recharger are found on pages 137/139			
¹⁾ at nominal voltage, maximal voltage 20 Volts			
²⁾ at nominal voltage, maximal voltage 28 Volts			
Type	BHA 18	KHA 24	
Order no. Machine with			
Battery pack	Charger		
- NiCd (18 V/2 Ah)	AC 30	—	
- NiCd (24 V/2 Ah)	ASS 15 Plus	6.00189.50	
- Li-Ion (18 V ¹⁾ /2,2 Ah)	AC 30 Plus	—	
- Li-Ion (25,2 V ²⁾ /2,2 Ah)	ASS 15 Plus	6.00190.50	

THE ENGINEERS OF POWER

A perfect rotary hammer. The P'7911. The result of cooperation between Porsche Design and Metabo. Reduced to its main functions: Drilling, hammer drilling and chiselling. With a housing made of aluminium and carbon and revolutionary ergonomics. The ideal combination of aesthetics and uncompromising quality.



Technical data – P'7911

	1 st gear/2 nd gear
Drilling diameter in	
– concrete with hammer drills	20 mm
– steel	10/6 mm
– softwood	20/14 mm
No-load speed	0 – 1,000 rpm/0 – 2,800 rpm
Torque	15 Nm/6 Nm
Single-blow energy	2,0 Joule

Maximum impact rate	4,600 rpm
Rated input power	705 W
Bit retainer	SDS-plus
Weight (without mains cable)	3.2 kg
Scope of delivery: Hammer chuck for tools with SDS-plus shank bit, keyless chuck for tools with cylindrical shaft, additional handle, plastic case, 2 SDS-plus hammer drills [Ø 6 mm, 8 mm]	

Order no. 6.00911.00 ■



PORSCHE DESIGN
MULTIHAMMER
P'7911

metabo

ANGLE GRINDERS

METAL PROCESSORS

HAMMERS

IMPACT DRILLS

DRILLS

SCREWDRIVERS

WOOD SANDING
MACHINESROUTERS
AND PLANERS

COMMON FEATURES

- Suitable for bits and accessories with SDS-plus shank end or cylindrical shank end (without impact)
- Hammer stop
- Rotation stop
- Metabo "Quick" chuck change
- Clockwise and anticlockwise rotation
- Thumbwheel for preselection of speed
- Robust Metabo Marathon motor
- Two-speed gear unit
- Pneumatic high-performance hammer mechanism
- Die cast aluminium gear housing
- Ergonomic housing design for fatigue-proof operation
- Rubber-coated handle
- Metabo S-automatic torque limiting clutch
- Metabo winding protection grid
- Auto-stop carbon brushes



... with the Metabo CODE! The electronic security system protects against theft and unauthorised use.



UHE 22 Multi

UHE 28 Multi

	Multihammer UHE 22 Multi	Multihammer UHE 28 Multi	
Special advantages			
■ Metabo CODE! System: electronic anti-theft system, activated by CODE! key (accessory)		•	
■ Variospeed (V) electronics	•		
■ Vario Tacho Constamatic (VTC) full-wave electronics		•	
■ Overload protection		•	
■ No-volt release switch		•	
■ Brush wear indicator		•	
Comparative device characteristics			
Torque	15 Nm/6 Nm	22 Nm/8 Nm	
Drilling capacity in			
- Concrete with hammer drill bits	22 mm	28 mm	
- Masonry with TCT bits		80 mm	
- Steel	13 mm/8 mm	16 mm/8 mm	
- Softwood	30 mm/20 mm	40 mm/20 mm	
No load speed	0 - 1.050 / 0 - 2.900 /min	0 - 950 / 0 - 2.600 /min	
Rated input power	705 W	1.010 W	
Output power	410 W	600 W	
Rated load speed	700/1.900 /min	950/2.600 /min	
Maximum impact rate	4.800 /min	4.400 /min	
Maximum single-blow energy	2,2 J	2,4 J	
Collar diameter	43 mm	43 mm	
Bit retainer	SDS-plus	SDS-plus	
Chuck capacity	1,5 - 13 mm	1,5 - 13 mm	
Weight (without mains cable)	2,7 kg	2,8 kg	
Standard equipment	Hammer chuck for tools with SDS-plus shank end, quick-action keyless chuck for tools with cylindrical shank end, rubber-coated side handle, drilling depth guide, carry case	Hammer chuck for tools with SDS-plus shank end, quick-action keyless chuck for tools with cylindrical shank end, rubber-coated side handle, drilling depth guide, carry case	
Type	UHE 22 Multi	UHE 28 Multi	
Order no.	6.00693 ■	6.00361 ■	

COMMON FEATURES

- Suitable for bits and accessories with SDS-plus shank end
- With the appropriate accessories, it is also suitable for bits and accessories with cylindrical shank end (no impact)
- Hammer stop
- Clockwise and anticlockwise rotation
- Variospeed (V) electronics
- Pneumatic high-performance hammer mechanism
- Sheathed die cast aluminium gear housing

- Optimum weight distribution by L shape
- Ergonomic housing design for fatigue-proof operation
- Rubber-coated handle
- Metabo VibraTech (MVT) handle for vibration damping
- Metabo S-automatic torque limiting clutch
- Scaffolding hook (accessory) for hanging the machine on scaffoldings or ladders

ANGLE GRINDERS

METAL PROCESSORS

HAMMERS

IMPACT DRILLS

DRILLS

SCREWDRIVERS

WOOD SANDING
MACHINES

ROUTERS
AND PLANERS



BHE 20 IDR
NEW

BHE 20 Compact

	Electronic Rotary Hammer	
	BHE 20 IDR	BHE 20 Compact
Special advantages		
■ Removable dust extraction unit (IDR extraction unit) for dust-free drilling	•	
Comparative device characteristics		
Torque	8 Nm	8 Nm
Drilling capacity in		
- Concrete with hammer drill bits	20 mm	20 mm
- Steel	10 mm	10 mm
- Softwood	20 mm	20 mm
No load speed	0 - 1.000 /min	0 - 1.000 /min
Rated input power	450 W	450 W
Output power	150 W	150 W
Rated load speed	800 /min	800 /min
Maximum impact rate	4.900 /min	4.900 /min
Maximum single-blow energy	1,6 J	1,6 J
Bit retainer	SDS-plus	SDS-plus
Weight (without mains cable)	3,5 kg	2,1 kg
Standard equipment	Hammer chuck for tools with SDS-plus shank end, IDR extraction unit, metabo VibraTech (MVT) handle, carry case	Hammer chuck for tools with SDS-plus shank end, metabo VibraTech (MVT) handle, carry case
Type	BHE 20 IDR	BHE 20 Compact
Order no.	6.00403 ■	6.00402 ■

Accessories for BHE 20 Compact and BHE 20 IDR

	Order no.
NEW IDR extraction unit ■ Suitable for the rotary hammer BHE 20 Compact. ■ As the extraction unit has its own motor, output is independent of the speed of the rotary hammer. Even at times when speed is relatively low, when spot-drilling for example, full dust extraction capacity is maintained. ■ Only for drilling with hammer drill bits in concrete, stone or masonry. Not for use in conjunction with chiselling. ■ The pleated filter can be removed without tools for cleaning; thus ensuring a long service life ■ The service life of the pleated filter can be substantially prolonged if it is cleaned with compressed air ■ The sealing cap on the extraction nozzle and the moulded seal can be exchanged without tools Drill bit Ø: 4 - 16 mm Maximum drill length: 160 mm Rated input power: 110 W Weight: 1.400 g	6.30591
Pleated filter IDR	6.30606
IDR moulded seal (2x)	6.30607
Nozzle with sealing cap for IDR	6.30608
Nozzle w. brush (IDR)	6.30609
IDR sealing caps (5x)	6.30610

COMMON FEATURES

- Suitable for bits and accessories with SDS-plus shank end
- With the appropriate accessories, it is also suitable for bits and accessories with cylindrical shank end (no impact)
- Hammer stop
- Clockwise and anticlockwise rotation
- Robust Metabo Marathon motor
- Pneumatic high-performance hammer mechanism
- Die cast aluminium gear housing
- Ergonomic housing design for fatigue-proof operation
- Rubber-coated handle
- Metabo S-automatic torque limiting clutch
- Metabo winding protection grid
- Auto-stop carbon brushes



... with the Metabo CODE! The electronic security system protects against theft and unauthorised use.



	Electronic Rotary Hammer BHE 22	Electronic Rotary Hammer BHE 24	Electronic Rotary Hammer BHE 26	
Special advantages				
■ Metabo CODE! System: electronic anti-theft system, activated by CODE! key (accessory)			•	
■ Metabo "Quick" chuck change		•	•	
■ Variospeed (V) electronics	•	•		
■ Vario Tacho Constamatic (VTC) full-wave electronics			•	
■ No-volt release switch			•	
■ Brush wear indicator			•	
Comparative device characteristics				
Torque	11 Nm	11 Nm	16 Nm	
Drilling capacity in				
- Concrete with hammer drill bits	22 mm	24 mm	26 mm	
- Steel	13 mm	13 mm	13 mm	
- Softwood	30 mm	30 mm	40 mm	
No load speed	0 - 1.000 /min	0 - 1.000 /min	0 - 1.000 /min	
Rated input power	660 W	705 W	750 W	
Output power	370 W	410 W	430 W	
Rated load speed	750 /min	750 /min	1.000 /min	
Maximum impact rate	4.600 /min	4.600 /min	4.600 /min	
Maximum single-blow energy	1,8 J	2,2 J	2,3 J	
Bit retainer	SDS-plus	SDS-plus	SDS-plus	
Weight (without mains cable)	2,4 kg	2,4 kg	2,6 kg	
Standard equipment	Hammer chuck for tools with SDS-plus shank end, rubber-coated side handle, drilling depth guide, carry case	Hammer chuck for tools with SDS-plus shank end, rubber-coated side handle, drilling depth guide, carry case	Hammer chuck for tools with SDS-plus shank end, rubber-coated side handle, drilling depth guide, carry case	
Type	BHE 22	BHE 24	BHE 26	
Order no.	6.00242 ■	6.00243 ■	6.00336 ■	

COMMON FEATURES

- Suitable for bits and accessories with SDS-plus shank end
- With the appropriate accessories, it is also suitable for bits and accessories with cylindrical shank end (no impact)
- Hammer stop
- Rotation stop
- Clockwise and anticlockwise rotation
- Metabo "Quick" chuck change
- Robust Metabo Marathon motor
- Pneumatic high-performance hammer mechanism
- Die cast aluminium gear housing
- Ergonomic housing design for fatigue-proof operation
- Rubber-coated handle
- Metabo S-automatic torque limiting clutch
- Metabo winding protection grid
- Auto-stop carbon brushes
- Brush wear indicator



	Electronic Combination Hammer KHE 26	Electronic Combination Hammer KHE 26 Contact	Electronic Combination Hammer KHE 28
Special advantages			
■ Metabo "Contact" Technology		•	
■ Metabo CODE! System: electronic anti-theft system, activated by CODE! key (accessory)	•		•
■ Vario Constamatic (VC) full-wave electronics		•	
■ Vario Tacho Constamatic (VTC) full-wave electronics	•		•
■ Thumbwheel for preselection of speed		•	
■ No-volt release switch	•		•
Comparative device characteristics			
Torque	16 Nm	16 Nm	20 Nm
Drilling capacity in			
- Concrete with hammer drill bits	26 mm	26 mm	28 mm
- Concrete with router bits			
- Concrete with TCT bits			
- Masonry with TCT bits	65 mm	65 mm	80 mm
No load speed	0 - 1.000 /min	0 - 1.050 /min	0 - 1.000 /min
Rated input power	800 W	800 W	1.010 W
Output power	450 W	450 W	610 W
Rated load speed	1.000 /min	830 /min	1.000 /min
Maximum impact rate	4.600 /min	4.830 /min	4.600 /min
Maximum single-blow energy	2,3 J	2,3 J	2,5 J
Collar diameter	43 mm	43 mm	43 mm
Bit retainer	SDS-plus	SDS-plus	SDS-plus
Weight (without mains cable)	2,7 kg	2,7 kg	2,7 kg
Standard equipment	Hammer chuck for tools with SDS-plus shank end, quick-action keyless chuck for tools with cylindrical shank end, rubber-coated side handle, drilling depth guide, carry case	Hammer chuck for tools with SDS-plus shank end, rubber-coated side handle, drilling depth guide, carry case	Hammer chuck for tools with SDS-plus shank end, rubber-coated side handle, drilling depth guide, carry case
Type	KHE 26	KHE 26 Contact	KHE 28
Order no.	6.00337 ■	6.00244	6.00338 ■

ANGLE GRINDERS

METAL PROCESSORS

HAMMERS

IMPACT DRILLS

DRILLS

SCREWDRIVERS

WOOD SANDING
MACHINESROUTERS
AND PLANERS

EQUIPMENT FEATURES

- Suitable for bits and accessories with SDS-plus shank end
- With the appropriate accessories, it is also suitable for bits and accessories with cylindrical shank end (no impact)
- Hammer stop
- Rotation stop
- Metabo CODE! System: electronic anti-theft system, activated by CODE! key (accessory)
- Clockwise and anticlockwise rotation
- Metabo "Quick" chuck change
- Vario Tacho Constamatic (VTC) full-wave electronics
- Robust Metabo Marathon motor
- Pneumatic high-performance hammer mechanism
- Die cast aluminium gear housing
- Rubber-coated handle
- Torque limiting clutch
- Auto-stop carbon brushes
- Brush wear indicator

EQUIPMENT FEATURES

- Suitable for bits and accessories with SDS-max shank end
- With the appropriate accessories, it is also suitable for bits and accessories with spline shank or ratio thread
- Metabo VibraTech (MVT): reduced vibration levels and therefore less impact on joints due to the integrated damping system on the handles
- Additional handle can be fitted to three places on the housing
- Optional 30% impact reduction setting for working with more pliant materials
- Rotation stop
- Vario Tacho Constamatic (VTC) full-wave electronics
- Electronic soft start for precise spot-drilling
- Pneumatic high-performance hammer mechanism
- Magnesium die cast gear housing
- Torque limiting clutch
- Stoppable switch for trouble-free chiselling in continuous operation
- Chisel can be fixed in 12 positions
- Auto-stop carbon brushes
- The service display, for example, indicates when the carbon brush needs to be replaced, plus an LED indicating mains voltage



	Electronic Combination Hammer KHE 32
Comparative device characteristics	
Torque	25 Nm
Drilling capacity in	
- Concrete with hammer drill bits	32 mm
- Concrete with router bits	
- Concrete with TCT bits	
- Masonry with TCT bits	80 mm
No load speed	0 - 780 /min
Rated input power	900 W
Output power	480 W
Rated load speed	780 /min
Maximum impact rate	3.800 /min
Maximum single-blow energy	3,5 J
Collar diameter	50 mm
Bit retainer	SDS-plus
Weight (without mains cable)	3,5 kg
Standard equipment	Hammer chuck for tools with SDS-plus shank end, quick-action keyless chuck for tools with cylindrical shank end, rubber-coated side handle, drilling depth guide, carry case
Type	KHE 32
Order no.	6.00332 ■

	Electronic Combination Hammer KHE 56
Comparative device characteristics	
Torque	90 Nm
Drilling capacity in	
- Concrete with hammer drill bits	45 mm
- Concrete with router bits	65 mm
- Concrete with TCT bits	100 mm
- Masonry with TCT bits	
No load speed	0 - 450 /min
Rated input power	1.300 W
Output power	650 W
Maximum impact rate	2.840 /min
Maximum single-blow energy	14 J
Collar diameter	66 mm
Bit retainer	SDS-max
Weight (without mains cable)	6,7 kg
Standard equipment	Metabo VibraTech (MVT) side handle, drilling depth guide, lubricant for tool shank end, duster, carry case
Type	KHE 56
Order no.	6.00340 ■

EQUIPMENT FEATURES

- Suitable for bits and accessories with SDS-max shank end
- With the appropriate accessories, it is also suitable for bits and accessories with spline shank or ratio thread
- Rotation stop
- Metabo CODE! System: electronic anti-theft system, activated by CODE! key (accessory)
- Vario Tacho Constamatic (VTC) full-wave electronics
- Thumbwheel for preselection of speed
- Pneumatic high-performance hammer mechanism
- Magnesium die cast gear housing
- Dust seal protects from the finest dust particles
- Ergonomic housing design for fatigue-proof operation
- Rubber-coated handle
- Torque limiting clutch
- No-volt release switch
- Auto-stop carbon brushes
- Brush wear indicator

EQUIPMENT FEATURES

- Suitable for bits and accessories with SDS-max shank end
- With the appropriate accessories, it is also suitable for bits and accessories with spline shank or ratio thread
- Easy to hold in all working situations: three rubber-coated handles always ensure an optimal holding position
- Metabo VibraTech (MVT): reduced vibration levels and therefore less impact on joints due to the integrated damping system on the handles
- Additional handle can be fitted to three places on the housing
- The adjustable front handle can be rotated 360° and the angle adjusted
- Long, slim design for an upright working position when performing tasks at ground level
- Rotation stop
- Vario Tacho Constamatic (VTC) full-wave electronics
- Thumbwheel for preselection of speed
- Electronic soft start for precise spot-drilling
- Die cast aluminium gear housing
- Torque limiting clutch
- Chisel can be fixed in 16 positions
- Auto-stop carbon brushes
- Brush wear indicator



KHE 75



KHE 96

NEW

	Electronic Combination Hammer KHE 75
Comparative device characteristics	
Torque	65 Nm
Drilling capacity in	
- Concrete with hammer drill bits	45 mm
- Concrete with router bits	80 mm
- Concrete with TCT bits	100 mm
- Masonry with TCT bits	100 mm
No load speed	140 - 280 /min
Rated input power	1.150 W
Output power	690 W
Rated load speed	280 /min
Maximum impact rate	2.650 /min
Maximum single-blow energy	10 J
Collar diameter	58 mm
Bit retainer	SDS-max
Weight (without mains cable)	6,4 kg
Standard equipment	Side handle, drilling depth guide, lubricant for tool shank end, duster, carry case
Type	KHE 75
Order no.	6.00275 ■

	Electronic Combination Hammer KHE 96
Comparative device characteristics	
Torque	120 Nm
Drilling capacity in	
- Concrete with hammer drill bits	50 mm
- Concrete with router bits	80 mm
- Concrete with TCT bits	150 mm
- Masonry with TCT bits	
No load speed	125 - 250 /min
Rated input power	1.700 W
Output power	850 W
Maximum impact rate	1.950 /min
Maximum single-blow energy	27 J
Collar diameter	73 mm
Bit retainer	SDS-max
Weight (without mains cable)	11,8 kg
Standard equipment	Metabo VibraTech (MVT) side handle, drilling depth guide, lubricant for tool shank end, duster, carry case
Type	KHE 96
Order no.	6.00596 ■

ANGLE GRINDERS

METAL PROCESSORS

HAMMERS

IMPACT DRILLS

DRILLS

SCREWDRIVERS

WOOD SANDING MACHINES

ROUTERS AND PLANERS

COMMON FEATURES

- Suitable for bits and accessories with SDS-max shank end
- Metabo VibraTech (MVT): reduced vibration levels and therefore less impact on joints due to the integrated damping system on the handles
- Additional handle can be fitted to three places on the housing
- The adjustable front handle can be rotated 360° and the angle adjusted
- Vario Tacho Constamatic (VTC) full-wave electronics
- Electronic soft start
- Pneumatic high-performance hammer mechanism
- Stoppable switch for trouble-free chiselling in continuous operation
- Auto-stop carbon brushes

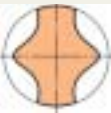


	Electronic Chipping Hammer MHE 56	Electronic Chipping Hammer MHE 96	
Special advantages			
■ Easy to hold in all working situations: three rubber-coated handles always ensure an optimal holding position		•	
■ Long, slim design for an upright working position when performing tasks at ground level		•	
■ Optional 30% impact reduction setting for working with more pliant materials	•		
■ Thumbwheel for preselection of impact rate		•	
■ Die cast aluminium gear housing		•	
■ Magnesium die cast gear housing	•		
■ Chisel can be fixed in 12 positions	•		
■ Chisel can be fixed in 16 positions		•	
■ Brush wear indicator		•	
■ The service display, for example, indicates when the carbon brush needs to be replaced, plus an LED indicating mains voltage	•		
Comparative device characteristics			
Rated input power	1.300 W	1.600 W	
Output power	650 W	800 W	
Maximum impact rate	2.840 /min	1.950 /min	
Maximum single-blow energy	14 J	27 J	
Bit retainer	SDS-max	SDS-max	
Weight (without mains cable)	6,3 kg	11 kg	
Standard equipment	Front handle, lubricant for tool shank end, duster, carry case	Metabo VibraTech (MVT) side handle, front handle, lubricant for tool shank end, duster, carry case	
Type	MHE 56	MHE 96	
Order no.	6.00366 ■	6.00396 ■	

A HUNDRED THOUSAND TIMES SUCCESSFUL ON CONCRETE, BRICKWORK AND NATURAL STONE.

The most modern generation of hard-metal drills: Long service life, fast and no problem when cutting on steel reinforcements. The new cutting geometry on the chisel-shaped bit ensures quick penetration into the toughest concrete and granite. Life cycle and drilling speed are increased considerably, which results in reducing the costs for the user.

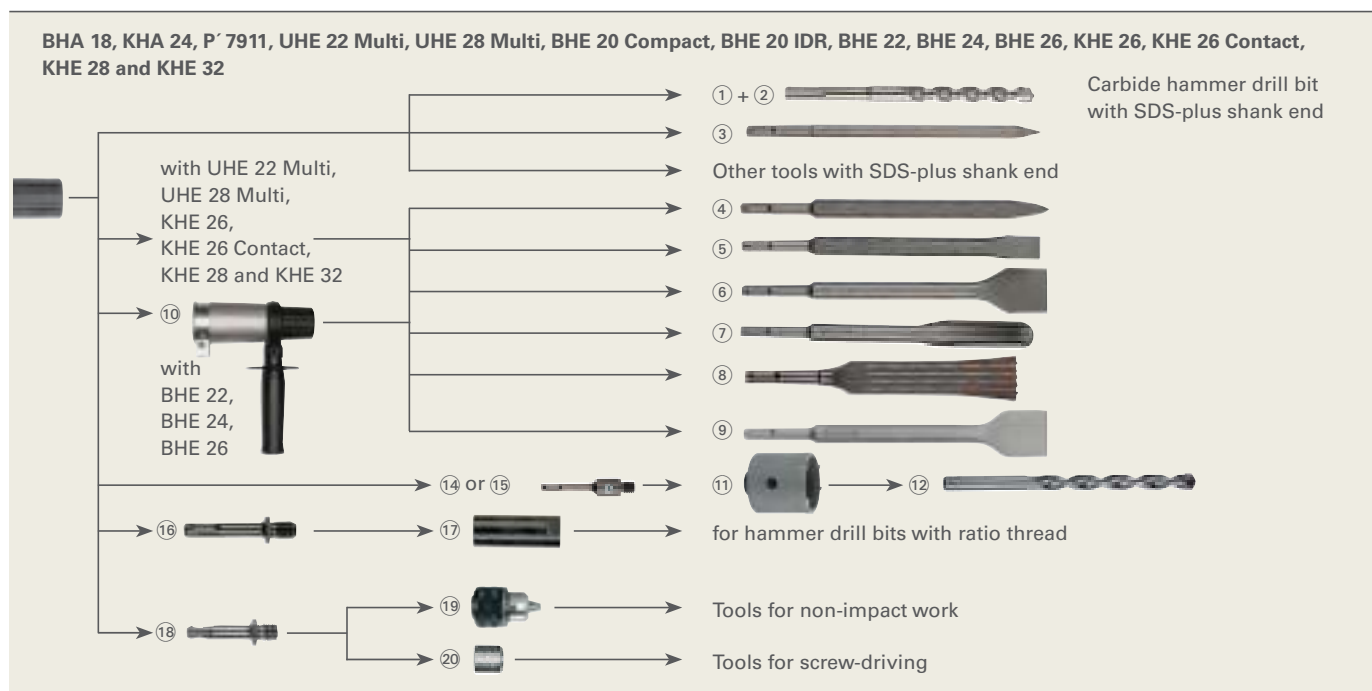
SDS-plus „Pro 4“ hammer drill bit

	For optimal performance with hammer drills of class 2 to 4 kg with SDS-plus-tool holder
	Slim, dynamic drill points with chisel form drill head <i>This means</i> – speedy penetration into the material – easy centring
	The 4-spiral helix „Pro 4“ <i>enables fast delivery of bore dust, decreases friction in the bore hole and improves the vibration behaviour.</i>
	
	The continuous core reinforcement <i>ensures stability, durability and the optimal transfer of energy. It suppresses vibrations thus increasing the drilling progress and life expectancy.</i>
	Most modern thermal treatment and surface compaction <i>guarantees prevention of wear on surfaces and make the drill resistant against bending.</i>
	SDS-plus shaft

SDS max hammer drill-bit

	For optimal performance with hammer drills of its class, starting from 5 kg with SDS-plus-tool holder
	Dynamic head construction with main and secondary cutting edges <i>This means</i> – point accurate spot drilling – fast penetration rate – reduced friction in the bore hole – centric guide
	The bore diameter 12–15 mm are produced with 2 cutting edges
	Double delivery helix <i>Short spiral inlets and large boring dust grooves ensure quick boring dust discharge.</i>
	Maximum energy transfer <i>The optimized core reinforced spiral form ensures stability, durability and the optimal energy transfer. It dampens the vibrations and therefore increases the drilling progress and life expectancy.</i>
	Most modern thermal treatment and surface compaction <i>guarantees prevention of wear on surfaces and make the drill resistant against bending.</i>
	SDS-max shaft

FOR HAMMERS WITH SDS-PLUS BIT RETAINER



Hard metal hammer drill bit, SDS-plus, pro 4, 2 cutting edges



- Latest generation carbide: long tool life, quicker, no problem when cutting on steel reinforcements.
- The new cutting geometry on the chisel-shaped bit head ensures quick penetration in the toughest concrete and in granite. Easy centring.
- The new 4-spiral helix with its large geometry ensures quick delivery of bore dust, reduces friction in drill hole, improves the vibration behaviour.
- For use in concrete, masonry, natural stone

Diameter mm	Working length mm	Overall length mm	Packing unit	Order no.
Self-service packaging				
4	50	110	1	6.31780
5	50	110	1	6.31820
5	80	140	1	6.30511
5	100	160	1	6.31821
5	150	210	1	6.31864
5,5	50	110	1	6.31822
5,5	100	160	1	6.31823
6	50	110	1	6.31824
6	100	160	1	6.31825
6	150	210	1	6.31826
6	200	260	1	6.31866
6,5	50	110	1	6.31827
6,5	100	160	1	6.31828
6,5	150	210	1	6.31879
6,5	200	260	1	6.31876
6,5	250	310	1	6.31868
6,5	350	400	1	6.31785
7	50	110	1	6.31829
7	100	160	1	6.31830
7	150	210	1	6.31831
8	50	110	1	6.31832
8	100	160	1	6.31833
8	150	210	1	6.31834

Diameter mm	Working length mm	Overall length mm	Packing unit	Order no.
8	200	260	1	6.31835
8	250	310	1	6.25229
8	400	460	1	6.31788
8	550	600	1	6.31789
9	150	210	1	6.31836
10	50	110	1	6.31837
10	100	160	1	6.31838
10	150	210	1	6.31839
10	200	260	1	6.31840
10	250	310	1	6.31841
10	400	450	1	6.30519
10	550	600	1	6.31793
10	950	1.000	1	6.31794
11	100	160	1	6.31842
11	200	260	1	6.31843
12	100	160	1	6.31844
12	150	210	1	6.31845
12	200	260	1	6.31846
12	410	450	1	6.30526
12	550	600	1	6.30527
12	950	1.000	1	6.31797
13	100	160	1	6.31847
13	200	260	1	6.31848
14	100	160	1	6.31849
14	150	210	1	6.31850
14	200	260	1	6.31851
14	250	310	1	6.31852
14	400	450	1	6.31801
14	550	600	1	6.30528
14	950	1.000	1	6.31802
15	200	260	1	6.31853
15	400	450	1	6.31803
16	100	160	1	6.31854
16	150	210	1	6.31855
16	250	310	1	6.31856
16	400	450	1	6.30531
16	550	600	1	6.30532
16	750	800	1	6.31804
16	950	1.000	1	6.31805

Diameter mm	Working length mm	Overall length mm	Packing unit	Order no.
Packed loosely				
4	50	110	10	6.25230
5	50	110	10	6.25231
5	100	160	10	6.25232
6	50	110	10	6.25233
6	100	160	10	6.25234
6	150	210	10	6.25235
8	50	110	10	6.25236
8	100	160	10	6.25237
8	150	210	10	6.25238
10	50	110	10	6.25239
10	100	160	10	6.25240
10	150	210	10	6.25241
10	200	260	10	6.25242
12	100	160	10	6.25243
12	150	210	10	6.25244
12	200	260	10	6.25245
14	100	160	10	6.25246
14	150	210	10	6.25247
14	200	260	10	6.25248

Hard metal hammer drill bit, SDS-plus, 2 cutting edges



- The slim, chisel-shaped bit head enables fast penetration into the material to be drilled
- The continuous core reinforcement ensures stability and durability. It enables maximum energy transmission from rotary hammer to drill tip.
- Friction and vibration are reduced and user and machine are relieved by the narrow back spacers
- State-of-the-art thermal treatment and surface sealing by shot-blasting ensure the prevention of wear on surfaces and make the drill bit resistant against bending
- For use in concrete, masonry, natural stone

Diameter mm	Working length mm	Overall length mm	Packing unit	Order no.
18	150	200	1	6.30533
18	250	300	1	6.31806
18	400	450	1	6.30589
18	550	600	1	6.31807
18	950	1.000	1	6.31808
19	150	200	1	6.30534
19	400	450	1	6.30535
20	150	200	1	6.30536
20	250	300	1	6.30590
20	400	450	1	6.30537
20	550	600	1	6.31809
20	950	1.000	1	6.31810
22	200	250	1	6.30538
22	400	450	1	6.30539
22	550	600	1	6.31811
22	950	1.000	1	6.31812
23	200	250	1	6.31813
24	200	250	1	6.30540
24	400	450	1	6.30541
25	200	250	1	6.31814
25	400	450	1	6.30549
25	550	600	1	6.31815
25	950	1.000	1	6.31816
26	200	250	1	6.30542
26	400	450	1	6.30548

Hard metal hammer drill bit, SDS-plus, 4 cutting edges



- Symmetrical construction of the head with main and auxiliary cutters ensures centric guiding in the drill hole and reduces friction, meaning longer life for the drill
- Quick boring dust discharge through short spiral inlets and large boring dust grooves of optimised double delivery helix
- The 4-cutter geometry protects the drill bit on contacting iron reinforcement and helps prevent damage to the bit head
- For use in concrete, masonry, natural stone

Diameter mm	Working length mm	Overall length mm	Packing unit	Order no.
16	200	250	1	6.31701
16	400	450	1	6.31702
18	200	250	1	6.31703
18	400	450	1	6.31704
20	200	250	1	6.31705
20	400	450	1	6.31706
22	400	450	1	6.31707
24	200	250	1	6.31708
24	400	450	1	6.31709
25	400	450	1	6.31710
28	400	450	1	6.31711
30	400	450	1	6.31712
32	400	450	1	6.31713

Hard metal hammer drill bit, SDS-plus, pro 4

	Order no.
4-piece, in small plastic case Ø 5, 6, 8, 10 mm, L = 110/160 mm	6.30580
5-piece, in small plastic case Ø 5, 6, 6, 8, 10 mm, L = 160 mm	6.30581
7-piece, in small metal case Ø 5, 6, 6, 8, 8, 10, 12 mm, L = 110/160/165 mm	6.30584
5-piece, combo plastic case Ø 6, 8, 10 mm hammer drill bit, pointed chisel (6.31421), flat chisel (6.31420)	6.30599

Chisel with SDS-plus shank end

Chisel shape	Overall length mm	Cutting width	Order no.
③ 	250		6.30992
④ 	250		6.31421
⑤ 	250	20	6.31420
⑥ 	250	40	6.31425
⑦ 	250	22	6.31422
⑧ 	130		6.31423
Mortar chisel, carbide-tipped	200		6.31424
⑨ 	250	40	6.31456

Assortment of chisels with SDS-plus shank end

	Order no.
 SDS-plus drill bit / chisel set (5 piece) Consisting of hammer drill bits of Ø 6, 8, 10 mm (1 each), 1 pointed chisel (6.31421) and 1 flat chisel (6.31420) Plastic round box	6.30477
 SDS-plus chisel set (3 piece) Comprising 1 pointed chisel (6.31421), 1 flat chisel (6.31420) and 1 scaling chisel (6.31425) Plastic round box	6.30478
 SDS-plus chisel set (5 piece) Comprising 2 pointed chisels (6.31421), 2 flat chisels (6.31420) and 1 scaling chisel (6.31425) Plastic round box	6.30484

Chiselling attachment

	Order no.
 In order to work without rotary motion with the chisels 6.31420, 6.31421, 6.31422, 6.31423, 6.31424, 6.31425 and 6.31426 you must use the chiselling attachment 6.31409.	6.31409

Carbide core cutters, M 16 female thread

- ⑪  ■ Optimised with larger carbide teeth for longer tool life. Higher power efficiency due to stably, thin-walled bit body For concrete and masonry

Diameter mm	Working length mm	Order no.
25	55	6.23390
30	55	6.23391
35	55	6.23392
40	55	6.23393
50	55	6.23394
68	55	6.23395
82	55	6.23396
90	55	6.23397
100	55	6.23398
112	55	6.23399

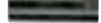
Carbide pilot drills for core cutters

Diameter mm	Overall length mm	Order no.
⑫ 	120	6.27040

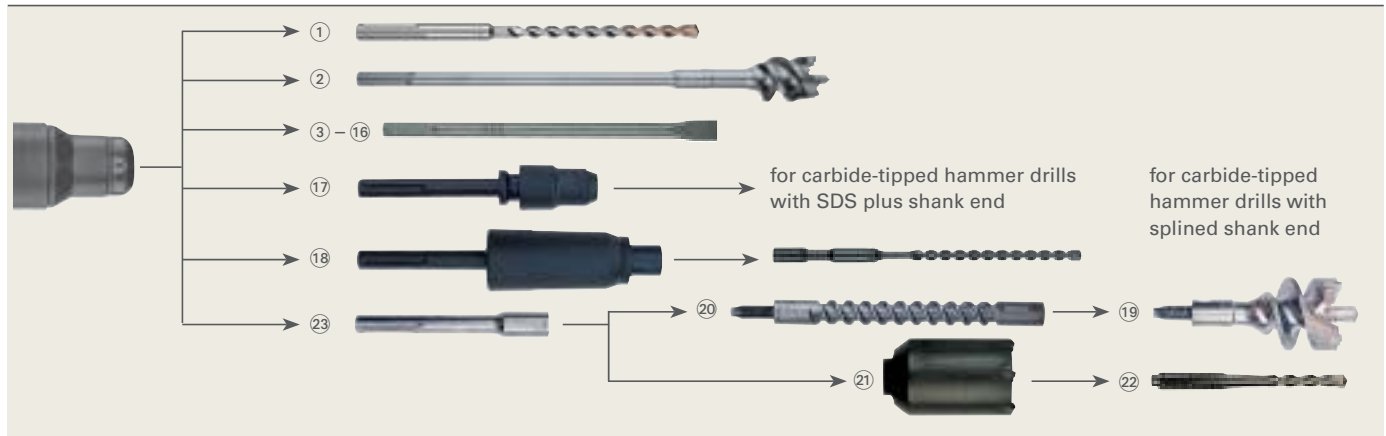
Anchor-head holders with M 16 male thread

	Order no.
⑬  Anchor-head holder KW 11 Overall length: 90 mm	6.27041
⑭  Anchor-head holder SDS-plus Overall length: 105 mm	6.27043
⑮  Anchor-head holder SDS-plus Overall length: 220 mm	6.27042

Accessories

	Order no.
⑯  Connector With 1/2"-20 UNF thread for the connector 6.30283 for hammer drill bits with ratio thread and core cutters	6.30928
⑰  Connector For hammer drill bits with ratio thread and for fitting the core bit using the pilot drill 6.23038	6.30283
⑱  Connector With 1/2"-20 UNF thread for chuck and hexagon recess 1/4" (6.35 mm) for screwdriver bits with bit retaining bush	6.31285
⑲  Bit retaining bush 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)	6.31281
⑲  Geared chuck Clamping width: 1,5 - 13 mm Female thread: 1/2"-20 UNF Key size: 2	6.35035

FOR HAMMERS WITH SDS-MAX BIT RETAINER



Carbide hammer drill bits, SDS-max, 2 cutters



- Symmetrical construction of the head with main and auxiliary cutters ensures centric guiding in the drill hole and reduces friction, meaning longer life for the drill.
- Short spiral inlets and large boring dust grooves in the optimised double delivery helix ensure quick boring dust discharge.
- Maximum energy transfer due to dynamic core strengthening.
- For use in concrete, masonry, natural stone

Diameter mm	Working length mm	Overall length mm	Order no.
12	200	340	6.23310
12	400	540	6.23311
12	550	690	6.23312
14	200	340	6.23313
14	400	540	6.23314
15	200	340	6.23315
15	400	540	6.23316

Carbide hammer drill bits, SDS-max, 4 cutters



- Symmetrical construction of the head with main and auxiliary cutters ensures centric guiding in the drill hole and reduces friction, meaning longer life for the drill.
- Short spiral inlets and large boring dust grooves in the optimised double delivery helix ensure quick boring dust discharge.
- Maximum energy transfer due to dynamic core strengthening.
- The additional 2 auxiliary cutters protect the drill bit on contacting iron reinforcement and helps prevent damage to the bit head.
- For use in concrete, masonry, natural stone

Diameter mm	Working length mm	Overall length mm	Order no.
16	200	340	6.23317
16	400	540	6.23318
18	200	340	6.23319
18	400	540	6.23320
20	200	320	6.23321
20	400	520	6.23322
20	800	920	6.23323

Diameter mm	Working length mm	Overall length mm	Order no.
22	200	320	6.23324
22	400	520	6.23325
22	800	920	6.23326
24	400	520	6.23328
24	200	320	6.23327
25	200	320	6.23329
25	400	520	6.23330
25	800	920	6.23331
28	250	370	6.23332
28	450	570	6.23333
28	550	670	6.23334
30	250	370	6.23335
30	450	570	6.23339
32	250	370	6.23340
32	450	570	6.23341
32	800	920	6.23342
35	250	370	6.23343
35	450	570	6.23344
35	550	670	6.23345
38	250	370	6.23346
38	450	570	6.23347
40	250	370	6.23348
40	450	570	6.23349
40	800	920	6.23350
45	450	570	6.23337
52	450	570	6.23338

Carbide router bits (one-piece) with SDS-max



- 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 reinforced iron and hard materials.

Diameter mm	Overall length mm	Order no.
45	550	6.23375
45	990	6.23376
55	550	6.23377
55	990	6.23378
65	550	6.23379
65	990	6.23380
80	550	6.23381
80	990	6.23382

ANGLE GRINDERS

METAL PROCESSORS

HAMMERS

IMPACT DRILLS

DRILLS

SCREWDRIVERS

WOOD SANDING
MACHINESROUTERS
AND PLANERS

Chisel with SDS-max shank end			
Chisel shape	Overall length mm	Cutting width	Order no.
③ 			
Pointed chisel, round tip	280		6.23351
Pointed chisel, round tip	400		6.23352
Pointed chisel, round tip	600		6.23358
④ 			
Flat chisel	280	25	6.23353
Flat chisel	400	25	6.23354
Flat chisel	600	25	6.23359
⑤ 			
Scaling chisel	400	50	6.23355
Scaling chisel	300	80	6.23356
Scaling chisel	350	115	6.23366
⑥ 			
Chasing gouge	300	26	6.23357
⑦ 			
Channel chisel	300	32	6.23365
⑧ 			
Tile chisel, offset	400	50	6.23367
⑨ 			
Toothed chisel	300	32	6.23368
⑩ 			
Mortar chisel	300	10	6.23369
⑪ 			
Spade chisel	400	110	6.23383
⑫ 			
Asphalt cutter	400	90	6.23384
⑬ 			
Gouge chisel	380	35	6.23385
⑭ 			
Stake driver	260	16,5	6.23386
Stake driver	260	13	6.23387
⑮ 			
Tool holder	220		6.23389
⑯ 			
Tamping plate 150 x 150 mm			6.23456

Assortment of chisels with SDS-max shank end		
		Order no.
	SDS-max chisel set (5 piece) Comprising 2 pointed chisels (6.23352), 2 flat chisels (6.23354) and 1 scaling chisel (6.23355) Plastic round box	6.30488
	SDS-max chisel set (5 piece) Comprising 3 pointed chisels (6.23352), 2 flat chisels (6.23354) Plastic round box	6.30489
Connectors		
		Order no.
⑰ 	Connector SDS-max/ SDS-plus	6.23371
⑱ 	Connector SDS-max/ spline shank	6.23372
	Connector spline shank/ SDS-max	6.23373
	Connector spline shank/ SDS-plus	6.30276



FOR HAMMERS WITH RATIO THREAD

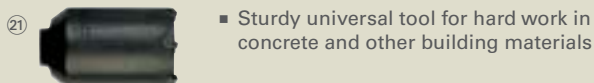
Carbide router bits
with ratio thread



Diameter mm	Overall length mm	Order no.
40	150	6.23301
45	150	6.23302
55	150	6.23303
68	150	6.23304
80	150	6.23305

	Order no.
Anchor-head holder for carbide router bits with ratio female and male thread	6.23299
Ratio threaded peg	6.23027

Carbide core cutters with ratio thread



Diameter mm	Working length mm	Order no.
40	100	6.23033
50	100	6.23034
68	100	6.23035
80	100	6.23036
90	100	6.23037
100	100	6.23032
125	100	6.23031

Pilot drills with ratio thread

	Order no.
Pilot drill 12 x 155 mm, ratio thread for work with the carbide core cutters with ratio thread	6.23038

Connectors

	Order no.
Connector SDS-max/ ratio ■ Connector with ratio female thread and SDS-max shank end, length 195 mm, for the anchor-head holder 6.23299 of router bits and for mounting drilling bits with the help of the pilot drill 6.23038	6.23370
Connection piece, KW 19/ ratio	6.23374

FOR HAMMERS WITH HEXAGONAL SHANK END

Chisels with hexagon shank end,
KW 19 x 82.5 mm (with collar)

Chisel shape	Overall length mm	Cutting width	Order no.
Pointed chisel	370		6.23440
Pointed chisel	570		6.23441
Flat chisel	370	24	6.23442
Flat chisel	570	24	6.23457
Toothed chisel	390	32	6.23455
Asphalt cutter	460	80	6.23447
Chasing gouge, offset	320	25	6.23450

Chisels with hexagon shank end
KW 19 (cyl. end 16.5 mm)

Chisel shape	Overall length mm	Cutting width	Order no.
Pointed chisel	300		6.23360
Pointed chisel	450		6.30380
Flat chisel	300	25	6.23361
Flat chisel	450	25	6.30381
Chasing gouge	250		6.23362
Scaling chisel	300	50	6.23363
Toothed chisel	300	30	6.23364

ANGLE GRINDERS

METAL PROCESSORS

HAMMERS

IMPACT DRILLS

DRILLS

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Integral chucks for rotary hammers	
	Order no.
 SDS-plus hammer chuck For accessories with SDS-plus shank end (UHE 22, UHE 28 Multi, BHE 26, BHE 26, KHE 26)	6.31920
 Quick-action keyless chuck with adapter For accessories with cylindrical shank end (UHE 22, UHE 28 Multi, BHE 24, BHE 26, KHE 26 Contact, KHE 28)	6.31921
 Geared chuck with adapter For accessories with cylindrical shank end (for UHE 22, UHE 28 Multi, BHE 24, BHE 26, KHE 26 Contact, KHE 28)	6.31924
 SDS-plus hammer chuck KHE 32 For accessories with SDS-plus shank end (for KHE 32)	6.31922
 Quick-action keyless chuck with adapter, KHE 32 For accessories with cylindrical shank end (for KHE 32)	6.31923

Accessories	
	Order no.
 CODE! Key - For protection of Metabo machines (with CODE! configuration) from misuse - The complete Metabo tool park (with CODE! configuration) can be protected with a single CODE! protected with key	6.23127
 Full-view safety goggles Very comfortable full-view safety goggles. Only light pressure around the eye area, giving a comfortable secure fit due to the use of two compound materials (hard and soft components). The excellent ventilation leaves the eye area feeling pleasant and free from irritation. Also suitable for people who wear glasses. UV protection 2-1, coating on the lens: scratch-free on the outside and mist-free on the inside.	6.31071
Replacement lens for safety goggles 6.31075	6.31159
 Special grease for tool shank end - For shank ends of hammer drill bits, chisels, adapters,...; prevents friction and wear coefficient; bio-degradable - High anti-aging, high resistance to heat, high anti-corrosion properties	6.31800

Dust extraction accessories	
For all machines with 43 mm collar diameter	
	Order no.
 Extraction unit For work with drill bits of Ø 4-20 mm; with drilling depth guide; to fasten the extraction unit on the collar of the machines, one requires the support handle 6.31594	6.31590
 Extraction unit For work with drill bits of Ø 16-40 mm; with drilling depth guide; to fasten the extraction unit on the collar of the machines, one requires the support handle 6.31594	6.31591
 Support handle for extraction units For fitting the extraction units on the collar of the machines	6.31594
 Suction hose Connector with internal Ø 30 mm and connector with outer Ø 35 mm	6.31592
 Adapter 35/58 mm	6.30316
 Connector	6.31593

COMMON FEATURES

- Suitable for quick and clean cutting of wall chases
- Groove width adjustable
- Spindle lock
- Variably adjustable cutting depth
- Robust Metabo Marathon motor
- Power-saving work through drawing cut from top to bottom
- Adjustable additional handle
- Supplied with chase extraction chisel
- Also suitable for cutting by using only one diamond cutting disc
- Metabo winding protection grid
- Auto-stop carbon brushes
- Extraction nozzle for all common suction hoses



MFE 30

MFX 65

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	1400 Watt Electronic Wall Chaser MFE 30	2500 Watt Wall Chaser MFX 65
Special advantages		
■ Tacho Constamatic (TC) full-wave electronics	•	
■ Starting current limitation		•
■ Electronic starting current limitation	•	
■ No-volt release switch	•	
■ Roller under the motor housing for exact machine guiding		•
■ Rotatable handle without tools		•
■ Metabo safety switch: safety lock against unintentional start		•
■ Overload protection	•	
■ Metabo S-automatic torque limiting clutch	•	
Comparative device characteristics		
Torque	3,5 Nm	18 Nm
Diameter of cutting disc	125 mm	230 mm
Possible groove widths	10/17/23/30 mm	3/9/17/29/33/ 37/41 mm
Cutting depth adjustable	0 - 30 mm	20 - 65 mm
No load speed	8.200 /min	6.600 /min
Rated input power	1.400 W	2.500 W
Output power	750 W	1.770 W
Rated load speed	8.200 /min	4.500 /min
Weight (without mains cable)	3,9 kg	7,7 kg
Standard equipment	4 spacer rings, adjusting nut, side handle, offset screwdriver, span- ner wrench, chase extraction chisel, sheet steel carry case	7 spacer rings, adjusting nut, side handle, span- ner wrench, chase extraction chisel, sheet steel carry case
Typ Bestell-Nr. Machine – with 2 diamond cutting discs – without diamond cutting discs	MFE 30 6.01119.50 ■ 6.0119	MFX 65 – 6.01225 ■

Diamond cutting discs

Diameter x bore mm	Segment dimensions mm	Maximum speed /min	Packing unit	Order no.
"Flexiamant Laser", segmented cutting edge, for hard materials				
■ Suitable for all hard materials such as concrete (even reinforced), concrete pipes, kerbstones, granite, hard sandstones, facing stones, exposed aggregate concrete ■ Quality of diamond and bond adjusted to highest requirements ■ Laser-welded diamond segments for optimum safety ■ Maximum working speed 80 m/s				
				
125 x 22,23	40 x 2 x 7,5	12.200	1	6.24541
230 x 22,23	40 x 2,8 x 7,5	6.600	1	6.24544
"Flexiamant Laser", segmented cutting edge, for abrasive materials				
■ For best cutting results in abrasive materials such as fresh concrete, sand-lime brick, sandstone ■ High-grade diamond quality in hard bond provides for high cutting output and optimum tool life ■ Laser-welded diamond segments for optimum safety ■ Maximum working speed 80 m/s				
				
125 x 22,23	40 x 2 x 7,5	12.200	1	6.24641 ¹⁾
230 x 22,23	40 x 2,4 x 7,5	6.600	1	6.24644

¹⁾ Standard equipment with MFE 30 (Order no. 6.01119.50)

Accessories

	Order no.
 Suction hose Connector Ø: 35/35 mm Hose length: 4 m Suction hose Ø: 35 mm	6.30344