



MEASURING TOOLS AND INSTRUMENTS

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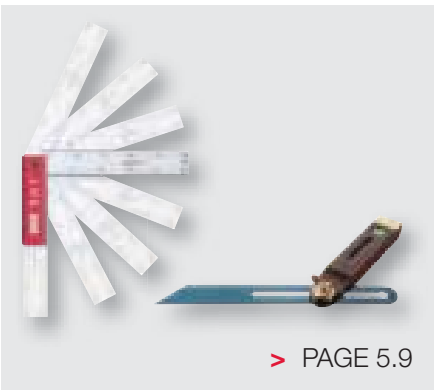
Distance measuring devices, line lasers



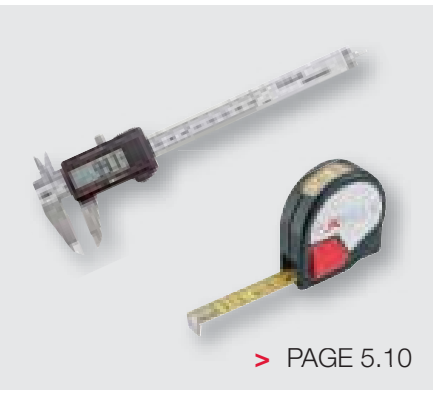
Spirit levels



Squares, sliding bevels



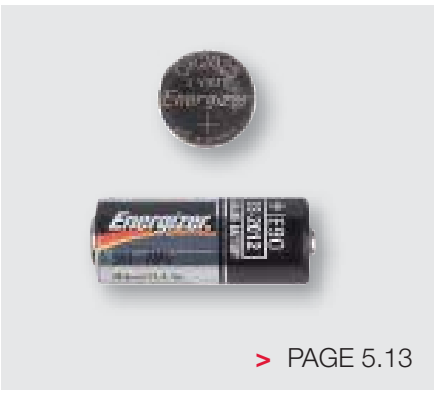
Pocket rules, measuring tapes, caliper gauges



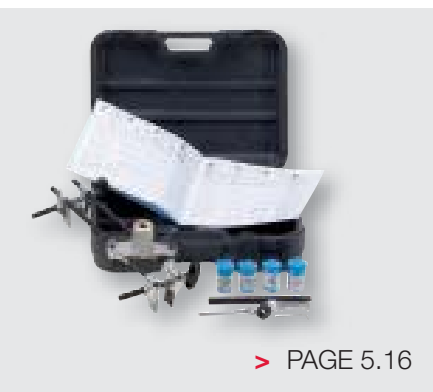
Scribing tools



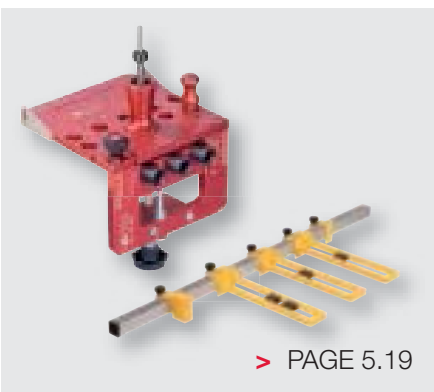
Batteries



Mortice jigs for door locks



Processing aids, drilling jigs



Routing templates



Leica DISTO™ D110
Laser distance measurer


Suitable for distance and area measurements, with Bluetooth® Smart data interface, with display illumination, free app, X-Range Power Technology, with pocket clip, up to 20 hours of operation, ergonomic design

Technical data	
Measuring tolerance	±1.5 mm
Range	0.05 m to 60 m
Operating time	10,000 measurements
Power supply	2 x 1.5 V (AAA) batteries
Degree of protection	IP 54
Dim. (L x W x H)	120 x 37 x 23 mm
Weight	92 g

Supplied with:

1 laser distance measurer
2 batteries type AAA 1.5 V

Packing: 1 piece

	Cat. No.
DISTO™ D110	002.84.630

Leica DISTO™ D2
Laser distance measurer


Suitable for distance, area and volume measurements, add/subtract capability, with Bluetooth® Smart data interface, with display illumination, free app, X-Range Power Technology, with automatic end piece detection, with memory for 10 results, up to 20 hours of operation

Technical data	
Measuring tolerance	±1.5 mm
Range	0.05 m to 100 m
Operating time	10,000 measurements
Power supply	2 x 1.5 V (AAA) batteries
Degree of protection	IP 54
Dim. (L x W x H)	116 x 44 x 26 mm
Weight	100 g

Supplied with:

1 laser distance measurer
2 batteries type AAA 1.5 V

Packing: 1 piece

	Cat. No.
DISTO™ D2	002.84.602

Leica DISTO™ X310
Laser distance measurer


Robust and resistant due to solid rubber components, with tilt sensor 360°, dust proof and waterproof (IP65) combination of tilting angle and distance measurement for precise horizontal distance measuring, indirect measuring of heights with the aid of the tilt sensor, cleaning under running water thanks to the high degree of protection. Standard: in compliance with ISO 16331-1

Technical data	
Measuring tolerance	±1.0 mm
Range	up to 120 m
Operating time	5,000 measurements
Power supply	2 x 1.5 V (AAA) batteries
Degree of protection	IP 65
Dim. (L x W x H)	122 x 55 x 31 mm
Weight	155 g

Supplied with:

1 laser distance measurer
2 batteries type AAA 1.5 V

Packing: 1 piece

	Cat. No.
DISTO™ X310	002.84.601

Sola VECTOR 40 Laser distance measurer



- > easy handling
- > soft grip and ergonomic design
- > compact, lightweight and handy
- > single measurement
- > min./max. measurement
- > continuous measurement
- > surface measurement
- > illuminated 4 line display and auto power off

Technical data	
Measuring tolerance	±1.55 mm
Range	0.2 m up to 40 m
Operating time (at 20 °C)	5000 measurements
Operating temperature	0 °C up to +40 °C
Storage temperature	-10 °C up to +60 °C
Laser class	2, DIN EN 60825-1: 2007-10
Power supply	2x 1.5 V (AAA) batteries
Degree of protection	IP 42
Dim. (L x W x H)	120 x 48 x 27 mm

Supplied with:
1 laser distance measurer
1 belt clip
2 batteries type AA 1.5 V

Packing: 1 piece

	Cat. No.
Sola VECTOR 40	002.84.609

Sola Crossline Line laser



High accuracy, compact, lightweight, handy, light, clearly visible laser lines, rotating foot for easy and quick alignment of the panoramic line, self-levelling line laser, 30 hours of operation (at 20 °C, all of the diodes)

Technical data	
Range	20 m without hand receiver (radius)
Operating time (at 20 °C)	30 h
Operating temperature	-10 °C up to +50 °C
Laser class	2M
Power supply	3 x 1.5 V (AA) batteries
Degree of protection	IP54
Dim. (L x W x H)	120 x 65 x 105 mm

Supplied with:
1 line laser
3 batteries type AA 1.5 V
1 case
1 battery adapter

Packing: 1 piece

	Cat. No.
Sola Crossline line laser	002.84.521

Line laser



Line laser for interior fitting

Has a built-in pendulum compensator, a clear laser line and a robust housing with rubber sheathing for even more safety on the construction site. Thanks to the robust design, the line laser is ideal for everyday use. Easy operation for quick and precise working. The laser can be mounted on tripods with a 1/4" threaded connection. Vertical and horizontal line – 120° refraction angle

Technical data	
Horizontal line tolerance	±3 mm over a length of 10 m
Vertical line tolerance	±2.5 mm over a length of 10 m
Self-levelling range	4° ±0.5°
Range	20 m/50 m with receiver
Operating time	<8 hours
Storage temperature	-20 to +60 °C
Laser class	2
Degree of protection	IP45
Power supply	3x 1.5 V (AA) batteries
Dimensions	119 x 62 x 95 mm
Weight	480 g

Supplied with:
1 line laser
3 batteries AA
1 bag

Packing: 1 piece

	Cat. No.
Line laser	002.84.607

Tripod with 1/4" thread connection



Ideal for line laser with 1/4" thread connection. The crank allows the line laser to be adjusted to the required height quickly and easily. Head tilting and swivelling. Head plate with quick-action clasp for rapidly exchanging devices. Easy to transport – can be used quickly. Easy handling.

Technical data	
Working area	60–160 cm
Transport length	65 cm
Clamping	Quick action locking
Weight	1,370 g
Connection	1/4"

Packing: 1 piece

	Cat. No.
Tripod	002.84.606

Laser 360°



Versatile in use due to 360° horizontal line in conjunction with 4 additional, exactly perpendicular vertical levels, tangent screws for exact alignment of the vertical levels, the 5/8" thread connection allows for fixing the laser on a tripod, clear and stable laser lines due to motorised self-levelling – the line doesn't wobble like it does with pendulum laser levels, disable self-levelling to achieve beam inclination, for example, manual inclination possible on one axle: ± 5 % electronically and ± 8 % mechanically via the adjustable feet

Technical data	
Measuring tolerance	±1.5 mm over a length of 10 m
Self-levelling range	4°
Optical angle	360° horizontally/4x vertically
Range	with receiver approx. 50 m
Laser	635 nm, grade 2
Power supply	integrated rechargeable battery
Degree of protection	IP54
Dimensions	Ø 12 cm x 22 cm
Weight	1,520 g
Thread connection	5/8"

Packing: 1 piece

	Cat. No.
Laser	002.84.608

Telescopic tripod



For lightweight laser devices with 5/8" or 1/4" connection
lightweight and easy to transport
Profile: Aluminium anodized

Technical data	
Working area	77-190 cm
Transport length	99 cm
Clamping	eccentric
Weight	2,700 g
Connection	5/8" and 1/4"

Packing: 1 piece

	Cat. No.
Telescopic tripod	002.84.605

Sola ENW Angle spirit level, electronic



Technical data	
Profile dimensions	59 x 27 mm
Profile weight	890 g/m
Measuring tolerance of standard position	0.50 mm/m (0.029°)
Measuring tolerance of reverse position	0.50 mm/m (0.029°)
Measuring tolerance of Solatronic module	0.05° at 0° and 90° 0.1° between 1° and 89°
Degree of protection	IP65

- Suitable for use in any situation where angles and gradients need to be determined quickly.
- > Comfortable to read with reversible display for reverse positions. When taking measurements overhead, the display automatically rotates accordingly.
 - > With “hold” function for storing measured values and for transferring angles.
 - > Acoustic signal guide is available for difficult visibility conditions. It indicates the distance to the standard position.
This makes it a valuable tool for users who need to have their hands free to carry out other tasks, for example mounting of furniture.
 - > Adjustable inclination display in °, %, mm/m and in/ft.
 - > Aluminium, silver coloured anodized

Packing: 1 piece

Length	Cat. No.
600 mm	002.84.070

Precision angle gauge



Aluminium, powder coated, red,
with 2 vials, with millimetre scale,
with large LCD display, with angle indicator of 0–185 °
(accuracy ±0.1°),
without braking device (stops in any position)
Weight: 1 kg
Voltage supply: 9 V block battery

Packing: 1 piece

Side length mm	Cat. No.
500	002.82.986

Precision angle gauge

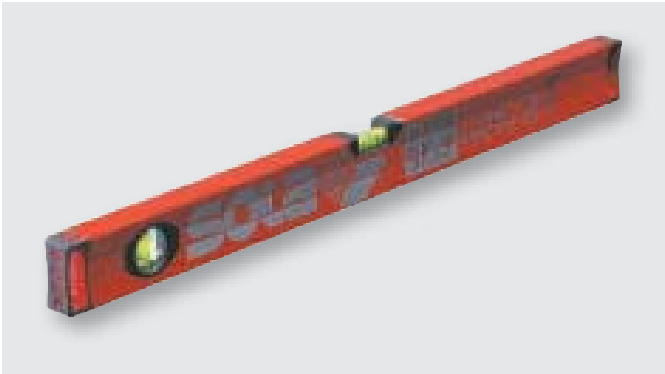


Aluminium, powder coated red,
with 2 vials, with large LCD display,
with angle indicator of 0–185 ° (accuracy ±0.1°
resolution 0.05 °), with switchable illumination,
automatic switch-off after 5 min, stores the last value after
switch-off, with “hold” function, allows a reading of the
values of opaque jobs, with position-independent “Reset”
function, zero of the angle gauge in every position
possible, operating time approx. 1.5 years
Weight: 460 g
Voltage supply: 2 x AAA

Packing: 1 piece

Side length mm	Cat. No.
348	002.82.900

Sola Big X Spirit level



Material: Aluminium, powder coated, red
1 horizontal vial and 1 vertical vial,
(2 vertical vials at length 1,000 mm),
Measuring accuracy:
0.5 mm/m (0.029°) at standard position,
0.75 mm/m (0.043°) at reverse position,
horizontal vial magnified for improved all-round visibility
and luminous surface,
vials are adjusted electronically
Dimensions (W x H): 25 x 51 mm
Packing: 1 piece

Length mm	Cat. No.
600	002.84.074
800	002.84.075
1,000	002.84.076

Sola Big Red Spirit level



Material: Aluminium, powder coated red
with 2 hand grips, with unbreakable acrylic glass vials
(1 horizontal vial, 2 vertical vials),
with magnified display of the bubble (up to 30% larger),
measuring accuracy 0.5 mm/m (0.029 °) in standard
measurement/reverse position
Dimensions (H x W): 26 x 59 mm
Weight: 1.6 kg
Packing: 1 piece

Length mm	Cat. No.
1800	002.84.079

Sola AV Spirit level



Material: aluminium tube profile silver coloured anodized,
2 unbreakable vials made of plastic,
vials are adjusted electronically
Dimensions (W x H): 21 x 50 mm
Packing: 1 piece

Length mm	Cat. No.
300	002.84.030
400	002.84.040

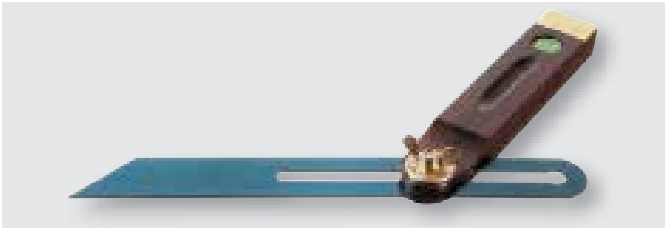
Sola HPL Spirit level



Material: aluminium profile, silver coloured anodized,
vials and handles made of plastic,
3 unbreakable, patented Sola Focus vials,
Measuring accuracy: 0.5 mm/m (0.029°) at standard
position and reverse position
Dimensions (W x H): 100 x 25 mm
Packing: 1 piece

Length mm	Cat. No.
1800	002.84.446

Precision sliding bevel



Stop made of palisander wood,
spring-hard blue steel rail,
brass fittings

Packing: 1 piece

Length mm	Cat. No.
250	002.82.330

Precision mitre square



Stop made of palisander wood,
spring-hard blue steel rail,
brass fittings

Packing: 1 piece

Length mm	Cat. No.
300	002.82.350

Joiner's square and mitre square



Blade length: 300 mm
Side length: 162 mm,
combination square, can be set to 8 fixed positions,
angle accuracy $\pm 0.05^\circ = 1 \text{ mm/m}$,
etched scales on both sides
Sides: aluminium anodized
Blades: rustproof steel

Packing: 1 piece

Length mm	Cat. No.
300	002.82.153

Combination square



Stop made of palisander wood,
spring-hard blue steel rail,
brass fittings

Packing: 1 piece

Length mm	Cat. No.
250	002.82.220
350	002.82.230

Joiner's square and mitre angle



Angle accuracy $\pm 0.04^\circ$,
adjustable to 45° , 90° and 135°

Packing: 1 piece

Length mm	Cat. No.
250	002.82.140

Sola Talmeter Measuring tape



Multifunctional measuring tape with combined marking and measurement edges and folding extender for inside measurements.

The folding measuring extender allows internal measurements and external measurements.

Reading on red scale.

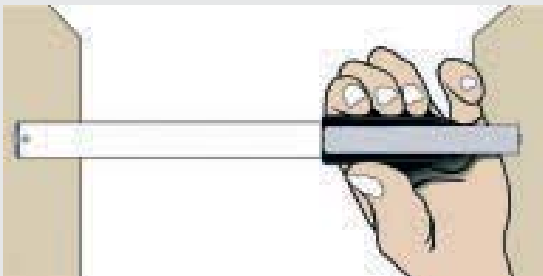
If the measured length is marked directly on the workpiece, a reading of the measurement is not required.

Due to the scribing tips position at the edge of the housing, circular curves can be transferred by means of the end hook.

The Talmeter has a special scale for direct reading off the diameter when measuring the circumference.

Accuracy class: 2 EC

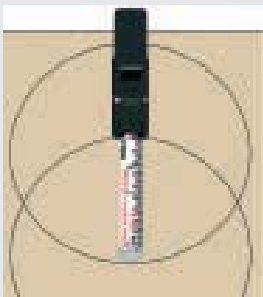
Dimensions (L x W x H): 70 x 25 x 60 mm



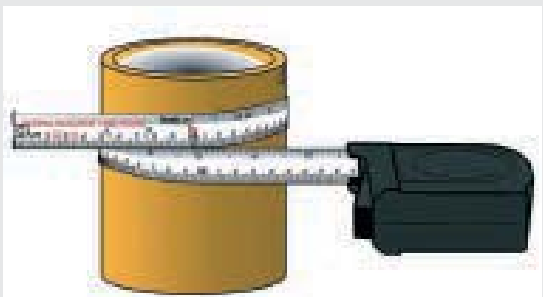
Internal measurement with folding extender



Transferring the measurement onto the workpiece



Marking of circular arcs



Determining diameters (optional)

Packing: 1 piece

Length mm	Cat. No.
3100	002.81.014

Häfele Measuring tape



Material: Housing: plastic black
Steel strip: yellow lacquered,
automatic retraction and return stop, with window
for interior measurements, with Häfele logo,
tape width 13 mm,
Accuracy class: 2 EC

Packing: 1 piece

Length mm	Cat. No.
3,000	002.81.133

Sola Big T Measuring tape



Material: Housing: plastic red/grey
Steel strip: yellow lacquered
Cursor for accurate reading, shock absorber system for
gentle tape return, housing length 100 mm with fold-out
end-piece for measuring of inner dimensions, non-slip
end hook, transparent, 4-fold riveted and reinforced,
with belt clip
Tape width: 19 mm
Accuracy class: 1 EC
Dimensions (L x W x H): 31 x 77 x 87 mm

Packing: 1 piece

Length mm	Cat. No.
5,000	002.81.130

Häfele Pocket rule



Material: Steel hinges, elements made of glass birch,
natural lacquered
Width: 16 mm
Thickness: each element 2 mm
Accuracy class: 3 EC

Packing: 1 or 10 pieces

Length mm	Cat. No.
2,000	002.80.204

Häfele Pocket rule

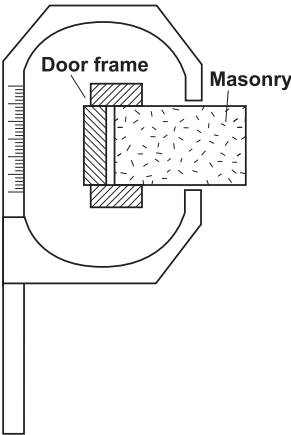


Material: steel hinges,
Elements: beech natural lacquered,
with patented 90° click-stop action
Width: 16 mm
Thickness: each element 3.5 mm
Accuracy class: 3 EC

Packing: 1 or 10 pieces

Length mm	Cat. No.
2,000	002.80.213

Calliper



For easy measuring of the wall thickness in case of installed door frames
Material: aluminium anodized, clamping jaws made from laminated wood, lacquered water resistant, with millimetre scale

Packing: 1 piece

Measuring range	Cat. No.
490 mm	002.81.900

Häfele HB Pencil



Integrally coloured wood, black matt lacquered, with Häfele logo, round

Packing: 10 pieces

Length mm	Cat. No.
175	002.81.808

Parallel scriber

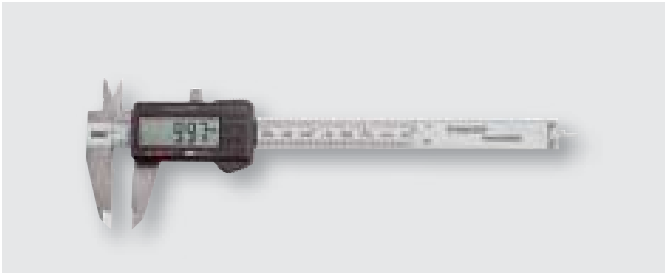


Material: plastic, blue, automatic pencil fixing
Opening width: 0–85 mm

Packing: 1 piece

	Cat. No.
Parallel scriber	002.81.846

Digital calliper

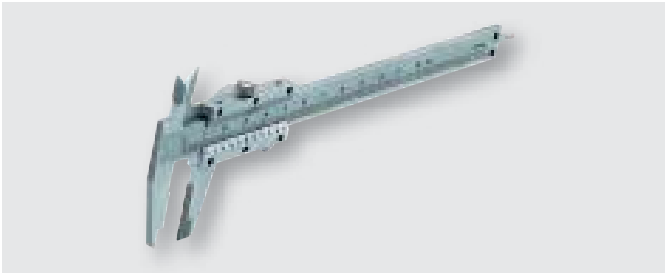


4-fold measurement, accuracy 0.01 mm, with LCD display, clamping screw, thread table and replacement battery, display in mm and inch, with depth measurement, in plastic box
Material: rustproof steel

Packing: 1 piece

Measuring range	Cat. No.
150 mm	002.81.988

Pocket caliper gauge



With clamping screw, jaw length 40 mm, vernier 0.1mm, with depth measurement, in plastic bag
Material: steel, matt chrome plated

Packing: 1 piece

Measuring range	Cat. No.
150 mm	002.81.960

Deep hole marker



For marking from fine to coarse, suitable for all surfaces, with solid refills, with long guide tube for markings on hard to reach places and drill holes, mark can be removed with a damp cloth

Packing: 1 piece

	Cat. No.
Deep hole marker	002.87.041

→ Refill set

Deep hole marker with solid refill

Contents:
4 pieces graphite
2 pieces red
2 pieces yellow

Packing: 1 set

	Cat. No.
Refill set	002.87.042

→ Refill set

Deep hole marker with solid refill

Content: 10 pieces of graphite

Packing: 1 set

	Cat. No.
Refill set	002.87.043

Pair of compasses with pencil holder



Material: steel

Packing: 1 piece

Length mm	Cat. No.
150	002.85.478

Battery charger



For NiMH batteries AA, AAA automatic shutdown, LED light for status indication, connection 100 – 240 V AC, 50/60 Hz
Charging time: 5–9 hours

Supplied with:

1 Energizer charger
4 Mignon rechargeable batteries,
1.2 V AA 2300 mAh

Packing: 1 piece

	Cat. No.
Battery charger	910.54.974

Battery

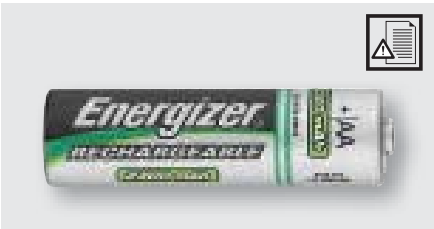


Micro, AAA, LR03
NiMH, rechargeable
Voltage: 1.2 V

Packing: 4 or 48 pieces

	Cat. No.
700 mAh	910.54.976

Battery



Mignon, AA, LR06
NiMH, rechargeable
Voltage: 1.2 V

Packing: 4 or 48 pieces

	Cat. No.
2,300 mAh	910.54.975

Alkaline manganese battery



Micro, AAA, LR03
Voltage: 1.5 V

Packing: 4 or 48 pieces

	Cat. No.
Micro battery	910.54.986

Alkaline manganese battery



For high reliability and requirement
Mignon, AA, LR06
Voltage: 1.5 V

Packing: 4 or 10 pieces

	Cat. No.
Mignon battery	910.54.980

Alkaline manganese battery



C battery, LR14
Voltage: 1.5 V

Packing: 2 or 24 pieces

	Cat. No.
C battery	910.54.987

Alkaline manganese battery



Mono, D, LR20
Voltage: 1.5 V

Packing: 2 or 24 pieces

	Cat. No.
Mono battery	910.54.988

Alkaline manganese battery



For high reliability and requirement
Block, 9V, 6LR61
Voltage: 9 V

Packing: 1 or 12 pieces

	Cat. No.
Block	910.54.981

Button cell lithium battery



Voltage: 3 V
Packing: 1 or 10 pieces

Model	Cat. No.
CR 2016	002.99.030
CR 2025	002.99.031
CR 2032	002.99.032

Silver oxide button cell battery



Voltage: 1.6 V
Packing: 10 pieces

Model	Cat. No.
364/363	002.99.060
371/370	002.99.061
377/376	002.99.062

Alkaline manganese button cell battery



Voltage: 1.5 V
Packing: 2 or 20 pieces

Model	Cat. No.
A76	002.99.001

Gauges and instruments

Exterior and interior doors

Mortice jig for door locks, for cutting a mortice for mortice locks ▶ MT 5.16

Cable channels

Accessories for mortice jig, for manufacturing cable channels for power and data cables in door leaves ▶ MT 5.18

Drilling jig for Loox leads and switches ▶ MT 5.30

Cabinet construction

Häfele Red Jig universal drilling jig

> Drill guide for Minifix 12/15 ▶ MT 5.20

> For Tab 18/Rafix 20 ▶ MT 5.21

> For Maxifix ▶ MT 5.21

> For concealed hinges 35 mm ▶ MT 5.22

> Drilling jig for series drilled holes at intervals of 32 mm ▶ MT 5.27

Precision drilling jig for Minifix ▶ MT 5.29

Precision marking gauge for mitre-joint connectors ▶ MT 5.29

Häfele drilling jig for soft closing mechanisms, dowels, shelf supports and cruciform mounting plates among others ▶ MT 5.30

Professional handle drilling jigs ▶ MT 5.31

Häfele Moovit MX drilling jig, for precise pilot drilling series drilled holes for Moovit MX runners ▶ MT 5.35

Häfele Free flap 1.7/Free flap 3.15; Häfele Free up; Häfele Free fold drilling jig ▶ MT 5.33

Häfele Free swing drilling jig ▶ MT 5.34

Hinge and mounting plate drilling jig for Blum concealed hinges in the Clip Top and Clip Top Blumotion model series ▶ MT 5.37

Drilling jig for Blum cruciform mounting plate and cruciform adapter housing ▶ MT 5.38

Universal marking gauge for Blum products ▶ MT 5.38

Blum drilling jig for Blumotion/Tip-On and mounting plates ▶ MT 5.39

Drilling jig for Blum drawer runners, lift mechanisms ▶ MT 5.40

Drilling jigs for Blum Servo-Drive ▶ MT 5.40

Drawer drilling jig for Blum snap-in couplings of concealed runners ▶ MT 5.41

Blum mounting jig for cabinet drilling ▶ MT 5.42

Furniture doors

Door mounting set, to allow furniture doors to be drilled and mounted quickly, precisely and in a professional manner ▶ MT 5.32

Drilling jig for front fixing brackets, for pilot drilling the front panel for mounting screw-on brackets ▶ MT 5.34

Blum Cristallo mounting jig glass door hinge ▶ MT 5.36

Hinge and mounting plate drilling jig for Blum concealed hinges in the Clip Top and Clip Top

Blumotionmodel series ▶ MT 5.37

Flaps

Drilling jig for front fixing brackets for Häfele Free flap 1.7/Free flap 3.15; Häfele Free up; Häfele Free fold; Häfele Free swing ▶ MT 5.34

Drawers

Universal marking jig for Movento and Tandem drawer runners ▶ MT 5.38

Drawer drilling jig for Blum concealed runners ▶ MT 5.41

Centring gauge for front processing ▶ MT 5.42

Worktops

Routing template for worktop connectors ▶ MT 5.43

Biscuit jointers

Curve ruler, for screw fixing to MDF or chipboard, for producing models ▶ MT 5.44

Mortice jig for cutting a mortice



For cutting a mortice for mortise locks,
for rebated or flush doors (optional),
continuously adjustable to all common door thicknesses,
suitable for on-site installation
suitable for power drills with 13 mm chuck,
minimum speed 2,000–3,000 rpm

Supplied with:

- 1 guide frame with 2 clamping screws
- 1 depth gauge
- 1 shaft, length 220 mm (for routing depth up to 100 mm)
- 1 milling cutter, diameter 17.5 mm (CWB 18)
- 1 milling cutter, diameter 20 mm (CWB 20)
- 1 milling cutter, diameter 23.8 mm (CWB 24)
- 1 SW 3 hex key
- 1 SW 12 key
- 1 case

Packing: 1 piece

Suitable for	Cat. No.
Rebated doors	001.67.711
Flush doors	001.67.710

Accessories for mortice jigs

→ Wood cutter



Wood cutter for screw fixing, makes quick milling cutter replacement possible, wood cutter with special spindle geometry for up to 50 % faster cutting speed and longer tool cutting edge service life

Packing: 1 piece

Diameter mm	Model	Cat. No.
16.2	CWB16	001.67.842
17.5	CWB18	001.67.843
19.0	CWB19	001.67.844
20.0	CWB20	001.67.845
20.6	CWB21	001.67.846
22.2	CWB22	001.67.847
23.0	CWB23	001.67.848
23.8	CWB24	001.67.849
25.4	CWB25	001.67.850
27.0	CWB27	001.67.851
28.6	CWB29	001.67.852
31.8	CWB32	001.67.853

→ Shaft



Standard shaft with length 220 mm, as a replacement shaft for mortice jig, long shaft with length of 298 mm, for routing depth up to 180 mm
Material: steel

Packing: 1 piece

	Length mm	Cat. No.
Standard shaft, for routing depth up to 100 mm	220	001.67.742
Long shaft, for routing depth up to 180 mm	298	001.67.743

→ Grub screws and hex key



Replacement grub screws and hex key for depth gauge

Supplied with:
6 grub screws
1 SW 3 hex key

Packing: 1 set

Material	Cat. No.
Steel	001.67.709

→ Depth gauge



For restricting the drilling depth, for standard and long shafts

Packing: 1 piece

Material	Cat. No.
Steel	001.67.747

Accessories for mortice jigs



The guide frame and depth gauge of the mortice jig can be upgraded with separately available long drill bit and long drill bit adapter for conversion into a drilling jig for drilling **cable channels in door leaf for power and data cables.**

After routing the mortice, slots up to 1,250 mm can be drilled by attaching the long drill bit adapter on the depth gauge. While the automatic guidance prevents the drill bit from “running untrue” in the door leaf.

→ Long drill bit, Ø 10 mm



For drilling though the complete door width, e.g. for electrical and data cables

Order reference:
Please order drilling adapter for guiding the long drill bit separately.

Packing: 1 piece

Length mm	Cat. No.
950	001.67.760
1250	001.67.761

→ Long drill bit adapter



For fitting onto the depth gauge of the mortice jig, the adapter guides the long drill bit and therefore prevents the drill bit from “running untrue”.

Packing: 1 piece

	Cat. No.
Long drill bit adapter	001.67.749

Universal drilling jig – Häfele Red Jig

- > Drilling jig for furniture connectors and popular furniture fittings from Häfele
- > Exact, dimensionally accurate drilling with the new depth gauge system
- > Interchangeable drill guides allow quick change of the drilling pattern
- > Adjusted to intervals of 32
- > Suitable for series drilled holes
- > Front edge drill holes for panel thickness of 12–60 mm

Basic set

► MT 5.20



Consisting of:

Basic jig



+

Drill guide

For hole system
5 mm



+

Depth gauge

Depth gauge 15



+

Drill bits

Twist drill bit
for wood HM
5 mm



Overview of supplementary sets for Häfele furniture connectors and popular furniture fittings

Set	Consisting of:				
Supplement for:	Drill guide	Depth gauge	Drill bits		
Minifix 12 Cabinet connector ► MT 5.20	for Minifix 12/15 	Depth gauge 32 	Multi-spur drill bit HM 12 mm 	Note: If no basic components of the Häfele Red Jig drilling jig are at hand, the basic jig Cat. No. 001.25.600 	
Minifix 15 Cabinet connector ► MT 5.20			Multi-spur drill bit HM 15 mm 		
Tab 18 Cabinet connector ► MT 5.21	for Tab 18/Rafix 20 		Multi-spur drill bit HM 3-spur 18 mm 		
Rafix 20 Cabinet connector ► MT 5.21			Multi-spur drill bit HM 3-spur 18 mm 		
Maxifix Cabinet connector ► MT 5.21	for Maxifix 		Depth gauge 48 		Multi-spur drill bit HM 35 mm 
Concealed hinges 35 mm ► MT 5.22	for concealed hinges 35 mm 		Multi-spur drill bit HM 35 mm 		Must also be ordered.

Must also be
ordered.

Häfele Red Jig universal drilling jig

→ Häfele Red Jig Drilling jig basic set



With lasered measuring scale for aligning the insert plates

Supplied with:

1 basic jig	001.25.600
1 drill guide for hole system 5 mm	001.25.620
1 depth gauge 15 for drill bit Ø 3, 5, 8, 10 mm	001.25.770
with depth gauge, stop ring, spiral spring	
with twist drill bit for wood HM Ø 5 mm	001.06.683
1 marking pin 3/5 mm	001.25.766

Packing: 1 set

	Cat. No.
Häfele Red Jig drilling jig basic set	001.25.890

Order reference: Please order additional accessories separately.

→ Supplement Häfele Red Jig for Minifix 12 cabinet connector



Supplied with:

1 Minifix 12/15 drill guide	001.25.660
for tightening distance 24 and 34 mm	
1 depth gauge 32	001.25.771
with depth gauge, stop ring, spiral spring	
with multi-spur drill bit HM Ø 12 mm, R	001.06.661

Packing: 1 set

	Cat. No.
Supplement Häfele Red Jig for Minifix 12	001.25.892

→ Supplement Häfele Red Jig for Minifix 15 cabinet connector



Supplied with:

1 Minifix 12/15 drill guide	001.25.660
for tightening distance 24 and 34 mm	
1 depth gauge 32	001.25.771
with depth gauge, stop ring, spiral spring	
with multi-spur drill bit HM Ø 15 mm, R	001.06.662

Packing: 1 set

	Cat. No.
Supplement to Red Jig for Minifix 15	001.25.891

Häfele Red Jig Universal drilling jig

→ Supplement Häfele Red Jig for Rafix 20 cabinet connector



Note: The Rafix 20 drill guide is suitable for following connectors with identical drilling patterns: Rafix Tab, Slimfix, Onefix, Pushfix, Rafix HC. The Rafix 20 drill guide can be adjusted to other Tab connectors, e.g. Tab 18, Rafix 20 S, Tab 20 HC, using the scale on the basic jig.

Supplied with:	
1 Rafix 20, Tab 18, One Fix drill guide	001.25.625
1 depth gauge 32	001.25.771
with depth gauge, stop ring, spiral spring	
with multi-spur drill bit, HM, 3-spur, Ø 20 mm, R,	001.24.417
for 19 mm wood thickness, with countersinker	

Order reference:
If no basic components of the Red Jig drilling jig are at hand, the **basic jig** Cat. No.: **001.25.600** must also be ordered.

Packing: 1 set

	Cat. No.
Supplement Häfele Red Jig for Rafix 20	001.25.821

→ Supplement Häfele Red Jig for Tab 18 cabinet connector



Supplied with:	
1 Rafix 20, Tab 18, One Fix drill guide	001.25.625
1 depth gauge 32	001.25.771
with depth gauge, stop ring, spiral spring	
with multi-spur drill bit HM, 3-spur, Ø18 mm, R	001.24.454

Packing: 1 set

	Cat. No.
Supplement Häfele Red Jig for Tab 18	001.25.893

→ Supplement Häfele Red Jig for Maxifix cabinet connector



Note: The Maxifix drill guide can be adjusted to other connectors, e.g. Häfele lxconnect K 36/30, using the scale on the basic jig. Please check hole diameter before use.

Supplied with:	
1 Maxifix drill guide	001.25.643
Tightening distance adjustable from 55 to 35 mm	
1 depth gauge 48	001.25.772
with depth gauge, stop ring, spiral spring	
with multi-spur drill bit HM Ø35 mm, R	001.06.669
1 drilling sleeve 10mm	001.25.761

Packing: 1 set

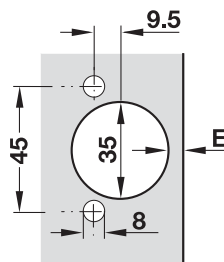
	Cat. No.
Supplementary Häfele Red Jig for Maxifix	001.25.894

Häfele Red Jig Universal drilling jig

→ Supplement Häfele Red Jig for concealed hinges



For concealed hinges 35 mm, drilling dimension 45/9.5

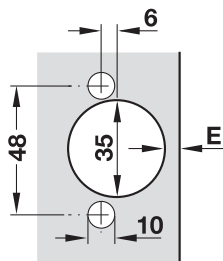
**Supplied with:**

1 drill guide for concealed hinges 35 mm, 45/9.5	001.25.732
1 depth gauge 48 with depth gauge, stop ring, spiral spring	001.25.772
with multi-spur drill bit HM Ø 35 mm, R	001.06.669

Packing: 1 set

	Cat. No.
Ø 35 mm, drilling dimension 45/9.5	001.25.832

For concealed hinges 35 mm, drilling dimension 48/6

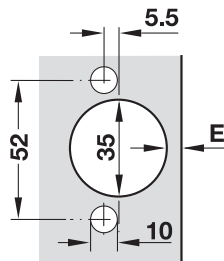
**Supplied with:**

1 drill guide for concealed hinges 35 mm, 48/6	001.25.731
1 depth gauge 48 with depth gauge, stop ring, spiral spring	001.25.772
with multi-spur drill bit HM Ø 35 mm, R	001.06.669

Packing: 1 set

	Cat. No.
Ø 35 mm, drilling dimension 48/6	001.25.831

For concealed hinges 35 mm, drilling dimension 52/5.5

**Supplied with:**

1 drill guide for concealed hinges 35 mm, 48/6	001.25.730
1 depth gauge 48 with depth gauge, stop ring, spiral spring	001.25.772
with multi-spur drill bit HM Ø 35 mm, R	001.06.669

Packing: 1 set

	Cat. No.
Ø 35 mm, drilling dimension 52/5.5	001.25.830

Häfele Red Jig Universal drilling jig

→ Häfele Red Jig Basic jig



As body, as supplement in combination with locating ruler with lasered measuring scale for aligning the insert plates,
Material: aluminium

Finish/colour: anodized, red

Supplied with:

- 1 basic jig without drill guide for equipping with drill guides, with stop plates
- 3 front edge drilling sleeves Ø 8 mm, continuously adjustable for different material thicknesses
- 1 marking pin 3/5 mm

Order reference:

Please order accessories separately.

The suitable systainer® can be ordered separately.

Packing: 1 piece

	Cat. No.
Basic jig	001.25.600

→ Häfele Red Jig Drill guides for connectors and series drilled holes



Packing: 1 piece

	Cat. No.
For Minifix 12/15	001.25.660
For Maxifix, tightening distances 55 and 35 mm adjustable	001.25.643
For Rafix 20, Tab 18, One Fix	001.25.625
For hole system at intervals of 37/69 mm	001.25.620
For concealed hinges Ø 35 mm, 52/5.5	001.25.730
For concealed hinges Ø 35 mm, 48/6	001.25.731
For concealed hinges Ø 35 mm, 45/9.5	001.25.732

→ Häfele Red Jig Depth gauges



Supplied with:

- 1 depth gauge
- 1 stop ring
- 1 spiral spring

Packing: 1 piece

	Cat. No.
Depth gauge 15 mm, for drill bit Ø 5–10 mm	001.25.770
Depth gauge 32 mm, for drill bit Ø 12–25 mm	001.25.771
Depth gauge 48 mm, for drill bit Ø 26–40 mm	001.25.772

Häfele Red Jig Universal drilling jig

→ Stop plate



Packing: 1 or 150 pieces

	Cat. No.
Stop plate with 2 special screws	001.25.063

→ Marking gauge



Packing: 1 piece

	Cat. No.
Marking gauge	001.27.060

→ Stop ring



Retaining screw with hexagon socket

Packing: 1 piece

	Cat. No.
Stop ring for twist drill bit HS Ø 8 mm	001.42.683
Stop ring for twist drill bit HS Ø 10 mm	001.42.693

→ Drilling sleeve



Packing: 1 piece

	Cat. No.
Drilling sleeve 5 mm	001.25.763
Drilling sleeve 8 mm	001.25.760
Drilling sleeve 10 mm	001.25.761
Drilling sleeve 11 mm	001.25.762

→ Marking pin



Packing: 1 piece

	Cat. No.
Marking pin Ø 3/5 mm	001.25.766

Häfele Red Jig Universal drilling jig

→ systainer® Häfele Red Jig Tool box



For securely packed and clearly organised storage of the Häfele Red Jig basic set and many individual components, with rubber foam inlay

Supplied with:

1 systainer® tool box	008.06.552
1 rubber foam inlay	008.06.519

Packing: 1 set

	Cat. No.
systainer® Häfele Red Jig	001.25.895
systainer® T-Loc tool box	► MT 4.3

Universal bit holder with magnet and quick release chuck

With permanent magnet and quick release chuck

Chuck: 1/4"

Drive: 1/4"

Packing: 1 piece

Length mm	Cat. No.
60	006.37.250

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Drill bit for Häfele Red Jig

→ Twist drill bit for wood, HM, total length 130 mm, shaft Ø 8 mm (depth gauge 15)



With hexagonal shank ¼"

Packing: 1 piece

Diameter mm	Cat. No.
3	001.06.682
5	001.06.683
8	001.06.686
10	001.06.687

→ Multi-spur drill bit, HM/HW, 3-spur, total length 130 mm, shaft Ø 10 mm (depth gauge 32 and 48)



With hexagonal shank ¼"

Packing: 1 piece

	Diameter mm	Version	Cat. No.
Multispur drill bit HM	18.0	–	001.24.454
Multi-spur drill bit HW	20.0	With countersinker for wood thickness 19 mm	001.24.417

→ Multi-spur drill bit, HM, total length 130 mm, shaft Ø 10 mm (depth gauge 32 and 48)



With hexagonal shank ¼"

Packing: 1 piece

Diameter mm	Cat. No.
12	001.06.661
15	001.06.662
35	001.06.669

→ Twist drill bit for wood HW, total length 110 mm

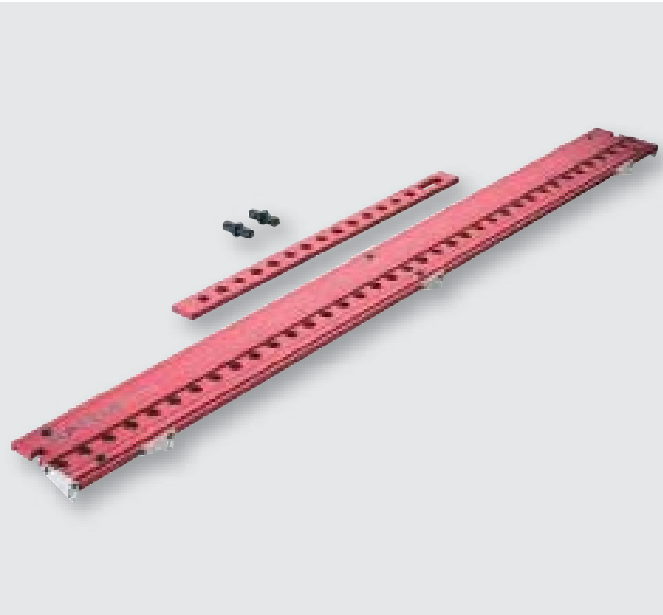


With hexagonal shank ¼"

Packing: 1 piece

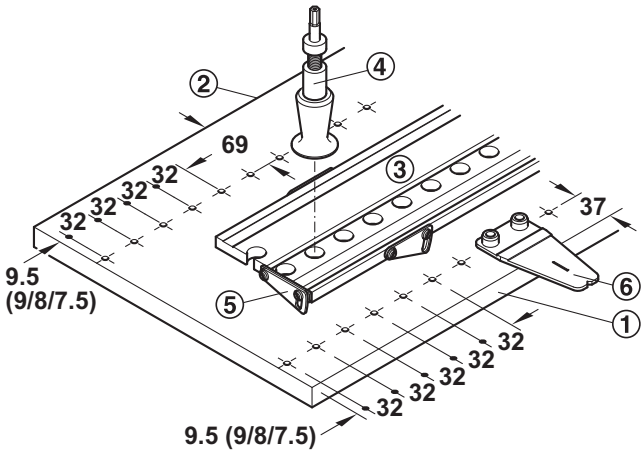
Diameter mm	Cat. No.
8	001.20.508
10	001.20.510

Häfele Red Jig Variantool drilling jig for series drilled holes



For efficient drilling of series drilled holes at intervals of 32 mm, series drilled holes with Ø 3 or 5 mm (optional) (Ø 8 or 10 mm for dowel holes), drilling distance 37 mm from the cabinet front edge and 69 mm from the cabinet rear edge without re-positioning the drilling jig due to adjustable stop plates, surface drilling jig for additional drill holes between series drilled holes, corresponds to 37 drill holes at intervals of 32 mm

Material: aluminium red anodized
Rail: aluminium, with non-slip coating



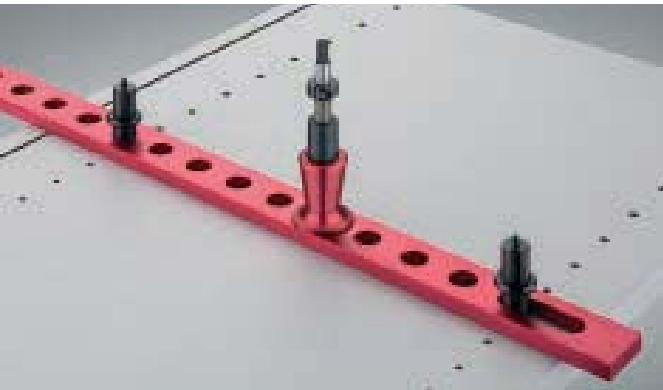
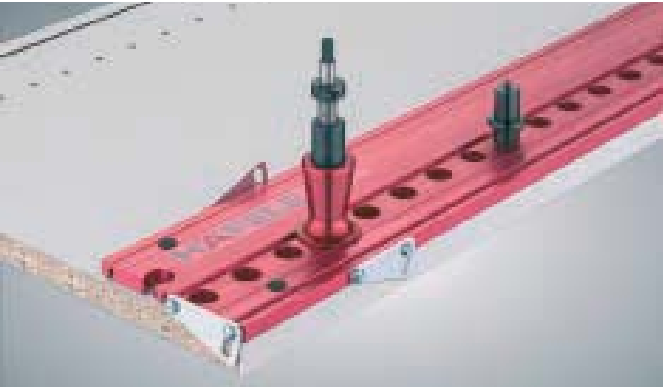
- ① Front edge of cabinet, ② Rear edge of cabinet,
③ Aluminium rail, ④ Depth gauge, ⑤ Stop plate,
⑥ Marking gauge

Note:
Suitable electric drilling unit Cat. No. 001.94.070,
see Furniture Fitting catalogue, product group 14

Order reference:
Please order depth gauge and marking gauge separately.

Supplied with:
1 profiled aluminium rail
1 surface drilling jig (L x W x H) 550 x 35 x 10 mm
8 stop plates for edge distance 37 and 69 mm
2 marking pins for Ø 3/5 mm drill holes

The drilling jig is moved and fixed with the locating pin for longer rows of series drilled holes.



Packing: 1 set

	Dim. (L x W x H)	Cat. No.
Aluminium rail	563 x 120 x 10	001.27.017
Aluminium rail	1172 x 120 x 10	001.27.016

Häfele Red Jig Variantool Drilling jig for series drilled holes

→ Depth gauge with multi-spur drill bit

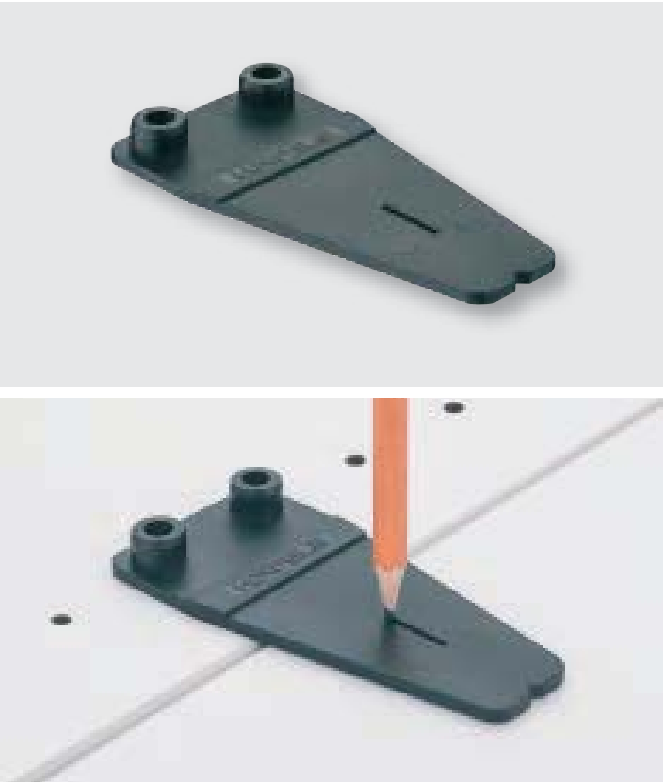


Depth gauge with drill bit suitable for Häfele Red Jig Variantool drilling jig for series drilled holes, drill bits are pre-set to drilling depth 13 mm.

Packing: 1 piece

Drill bit diameter mm	Cat. No.
5	001.25.851
8	001.25.853
10	001.25.855

→ Marking gauge for transferring the centre dimension onto the door



Material: plastic, black
If drilling positions between the 32 mm series drilled holes are required, e.g. for concealed hinges, the position, measured from the 5 mm drill holes, can be transferred onto the door using the marking gauge.

Packing: 1 piece

	Cat. No.
Marking gauge	001.27.060



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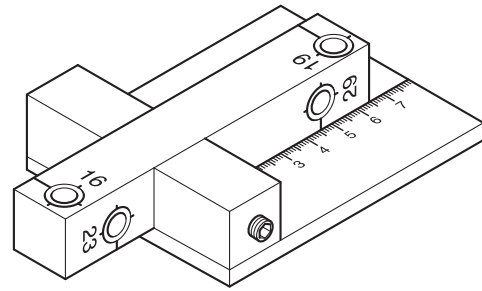
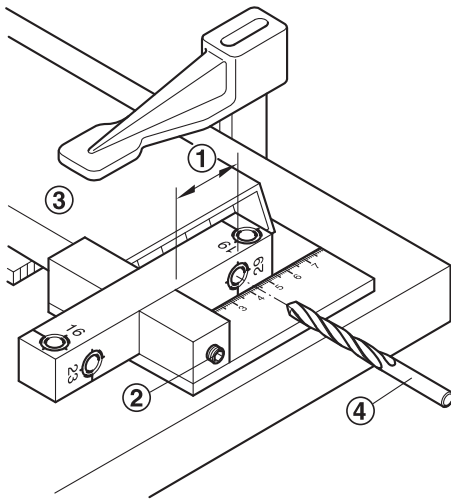
Precision drilling jig



For drilling bolt holes for connectors in the Minifix system with polyamide sleeve

For wood thickness: 16-29 mm

Material: zinc alloy



Application:

- ① Measure inset distance from edge of wooden panel and transfer to drilling jig.
- ② Fix edge distance at drill guide with **hex socket head screw**.
- ③ Secure wooden panel and drilling jig with a screw-clamp.
- ④ With a 7 mm twist drill bit, drill hole approx. 24/44 mm deep.

Supplied with:

1 angle fence with measuring scale from 0 to 80 mm, for adjusting the edge distance

Packing: 1 set

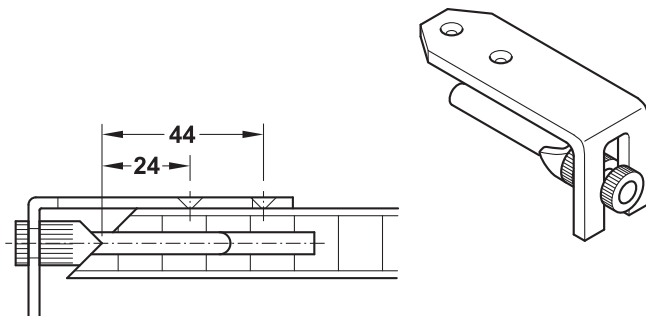
Cat. No.
Precision drilling jig
001.27.202

Precision marking gauge



For marking drill hole for housing Ø 15 mm

Material: steel (hardened)



Application:

- ① Drill hole for mitre-joint connector using precision drilling jig
- ② Position marking gauge, insert guide pin into bolt hole and turn until the pointed stops lie against the cut surface
- ③ Mount scribing angle on guide pin and position on surface of workpiece
- ④ Drill hole Ø 15 mm for housing with required inset distance and housing depth

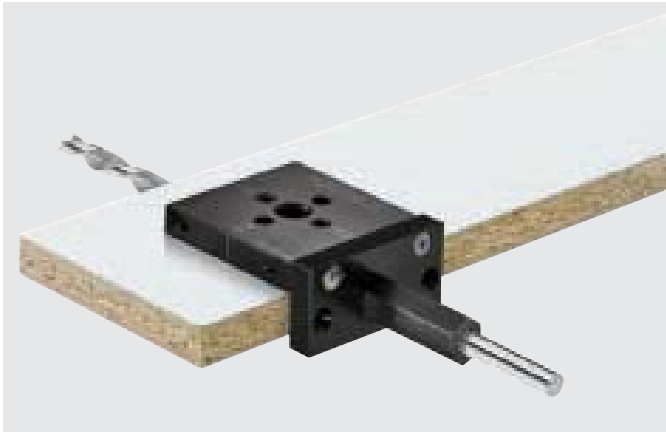
Supplied with:

1 guide pin with two pointed stops
1 scribing angle with fixing hole for marking the drill hole for housing
1 set of operating instructions

Packing: 1 set

Cat. No.
Precision marking gauge
001.27.211

Häfele Drilling jig



Specially developed to drill precision holes in furniture side panels for cables and switches of Loox lights. Other drill holes for soft closing mechanism for doors, dowels, shelf supports and cruciform mounting plates are also possible. The compact design allows processing of assembled furniture.

- > 5 mm sleeve drill holes for mounting plates
- > For panel thickness of 16, 19 and 25 mm
- > Drilling sleeves 8, 10, 12 mm
- > Length: 75 mm

Packing: 1 piece

Cat. No.	
Drilling jig	001.25.080

Professional handle drilling jig



Drilling jig allows quick and accurate drilling of drill holes for furniture knobs and door handles
Adjustment facility: hole spacing from 64–1,400 mm, side distance from 15–200 mm, by millimetre scale or adjusting pins, the special design allows the adjustment of the hole spacings, without measuring, aluminium profile tube 25 x 25 x 750 mm with scale

Supplied with:

- 1 aluminium profile tube, 750 mm, with scale
- 3 scale components
- 1 end stop
- 4 hardened inserts Ø 4.5 mm
- 1 HSS twist drill bit 4.5 mm
- 1 hex key
- 1 backstop

Packing: 1 piece

	Cat. No.
Professional handle drilling jig	001.35.010

→ Extension

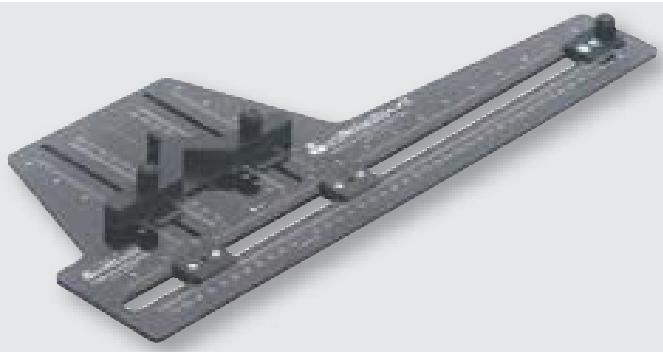


Material: aluminium, without scale
Length: 700 mm

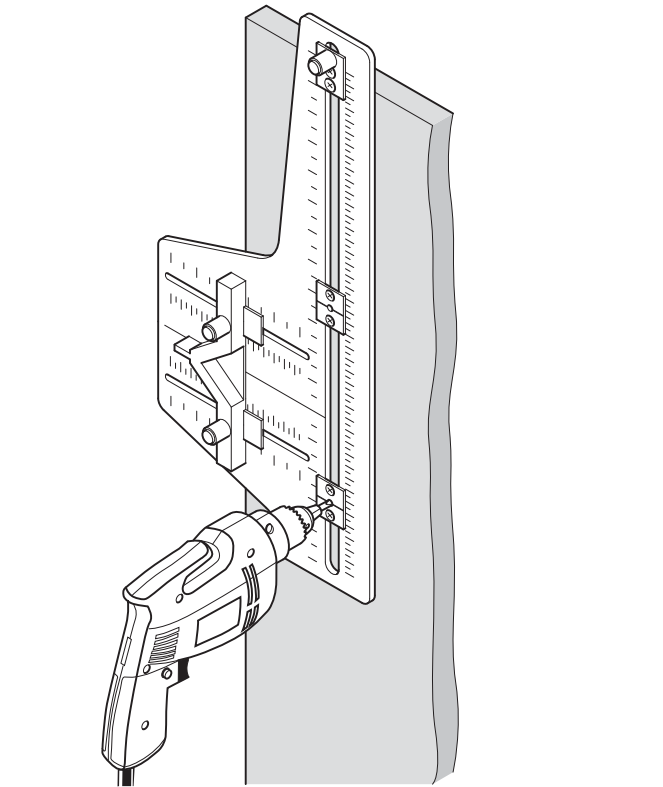
Packing: 1 piece

	Cat. No.
Extension	001.35.011

Handle drilling jig



For board material width up to max. 800 mm, for efficient and exact drilling of handles and knobs, with adjustable side and depth gauges, depth gauge with 45° angle, can also be used on both sides (mirror image)
Hole spacing: adjustment range horizontally up to 420 mm, vertically up to 125 mm
Material: polycarbonate black

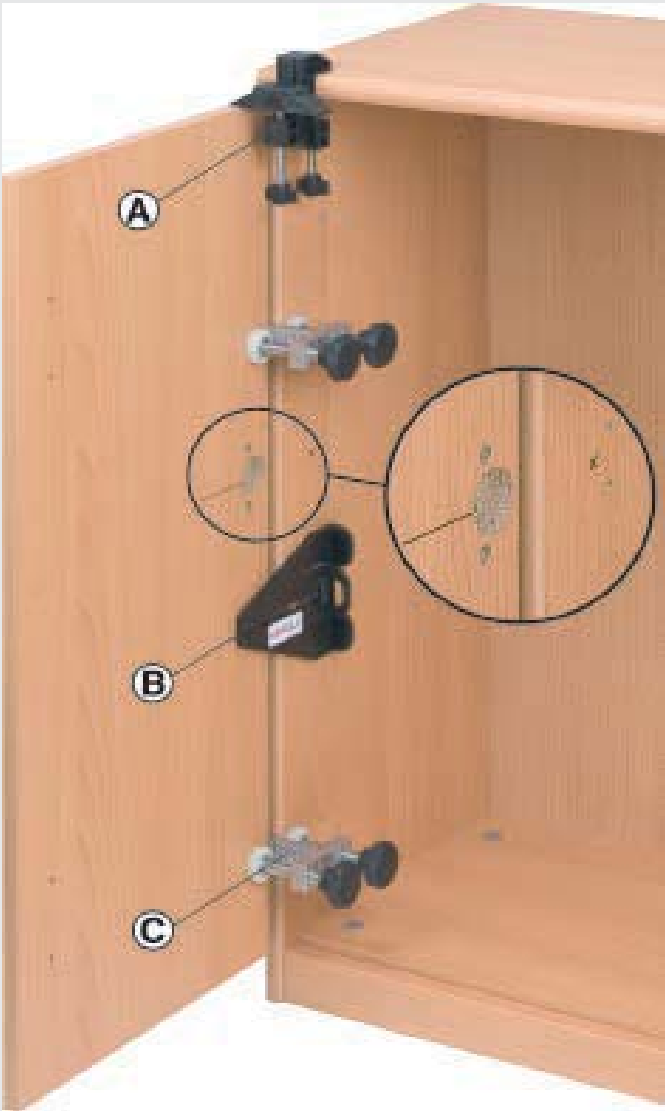


Drilling on doors and flaps

Packing: 1 piece

	Cat. No.
Handle drilling jig	001.35.001

Door mounting set



- (A)** Continuous height stop
- (B)** Marking template for transferring the series drilled holes to the concealed hinge
- (C)** Double screw-clamp for the quick fixing of the door on the cabinet



Complete set, to allow furniture doors to be drilled and mounted quickly, precisely and in a professional manner, also suitable for large furniture doors

- > different drilling patterns can be set, drilling pattern 52/5.5 set in the delivery condition
- > comprehensive operating instructions in which the individual operating steps are described

Supplied with:

- 1 drilling jig with drilling template, including drill bits 2 x 10 mm and 1 x 35 mm
- 1 height stop, continuous
- 2 twin screw-clamps
- 1 marking gauge
- 1 set of operating instructions

Packing: 1 piece

	Cat. No.
Door mounting set	001.33.000

→ Replacement drill bit/milling cutter

Packing: 1 piece

	Cat. No.
HM drill bit 35 mm	001.33.009
HSS drill bit 10 mm	001.33.007
HSS drill bit 8 mm	001.33.006

Drilling jigs for side panel

For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws

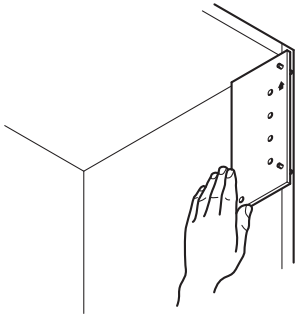
Material: acrylic glass

Order reference: Please order depth gauge Ø 5 mm (Cat. No. **001.25.792**) separately.

Häfele Free flap 1.7/Free flap 3.15 Drilling jig



For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws



Material: acrylic glass with hardened steel inserts

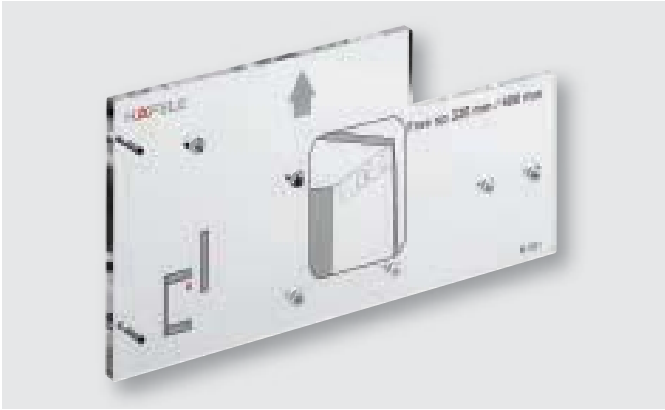
Note:

Drilling pattern, see installation instructions of the fitting. The drilling jig is positioned directly in the top left or top right cabinet corner.

Packing: 1 piece

Suitable for	Cat. No.
Häfele Free flap 1.7 and Free flap 3.15 flap fitting	372.91.023

Häfele Free up Drilling jig

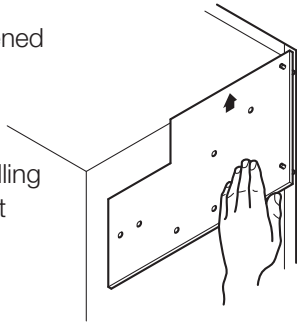


For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws

Material: acrylic glass with hardened steel inserts

Note:

Drilling pattern, see installation instructions of the fitting. The drilling jig is positioned in the left or right top cabinet angle.



Packing: 1 piece

Suitable for	Cat. No.
Häfele Free up flap fitting	372.33.050

Häfele Free fold Drilling jig

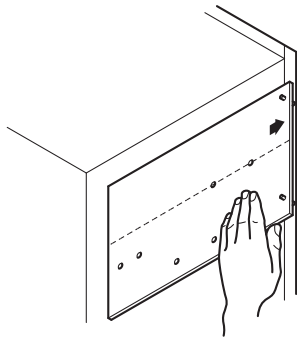


For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws

Material: acrylic glass with hardened steel inserts

Note:

Drilling pattern see installation instructions of the fitting. The drilling jig is positioned with the reference line according to the variable dim. Y that is to be calculated.



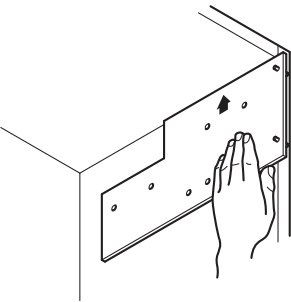
Packing: 1 piece

Suitable for	Cat. No.
Häfele Free fold flap fitting	372.37.050

Häfele Free swing Drilling jig



For pilot drilling the cabinet side components for mounting fittings with pre-mounted Euro screws



Material: acrylic glass with hardened steel inserts

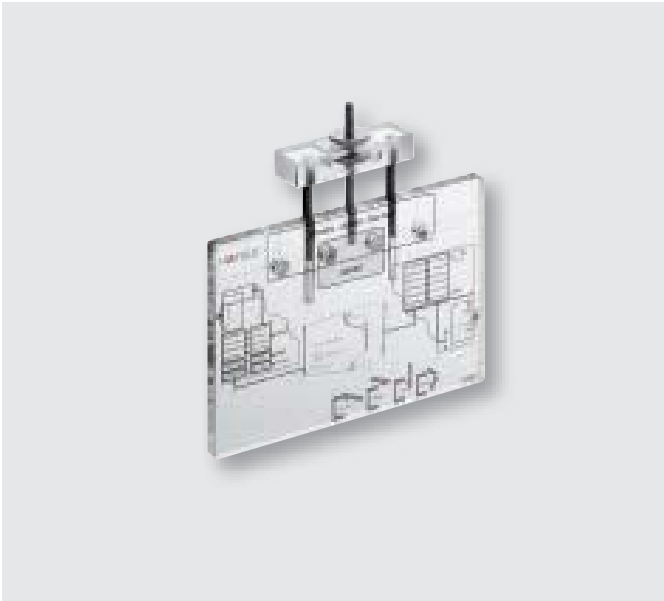
Note:

Drilling pattern, see installation instructions of the fitting. The drilling jig is positioned in the left or right top cabinet corner.

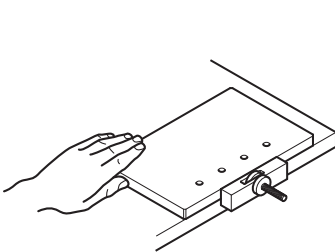
Packing: 1 piece

Suitable for	Cat. No.
Häfele Free swing Flap fitting	372.34.050

Drilling jig for front fixing brackets



For pilot drilling the front panel for mounting screw-on brackets



Material: acrylic glass

Note:

Drilling pattern, see installation instructions of the fitting. In order to position the drilling jig correctly, mark the first drill hole according to the required door overlay. Door overlay can be adjusted.

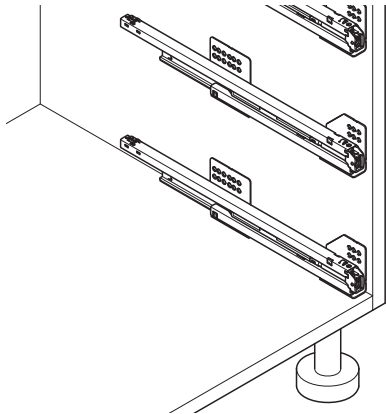
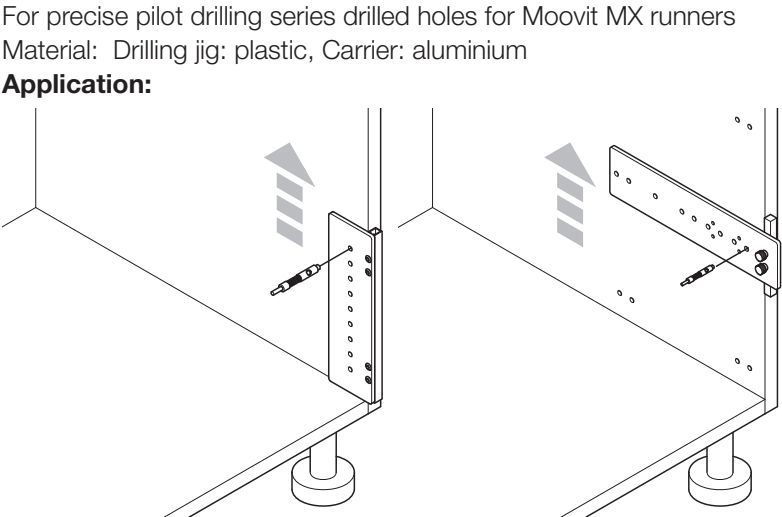
Order reference:

Please order depth gauge Ø 3 mm (Cat. No. 001.25.791) or Ø 5 mm (Cat. No. 001.25.792) separately.

Packing: 1 piece

Suitable for	Cat. No.
Häfele Free flap 1.7, Free flap 3.15, Free fold, Free up, Free swing flap fittings	372.64.893

Häfele Moovit MX Drilling jig



For precise pilot drilling series drilled holes for Moovit MX runners
Material: Drilling jig: plastic, Carrier: aluminium
Application:

Supplied with:
2 drilling jigs
1 carrier
1 set of installation instructions

Order reference:
Please order depth gauge separately.

Packing: 1 piece

	Cat. No.
Drilling gauge	553.69.039

Depth gauge



For precise pilot drilling series drilled holes Moovit MX runners using the Moovit MX drilling template, in combination with drilling jigs for Free flap fittings
Material: steel

Packing: 1 piece

Drill bit diameter mm	Cat. No.
3	001.25.791
5	001.25.792

Insertion tool



For front fixing bracket, for press fitting
Material: aluminium
Version: with wooden handle

Packing: 1 piece

	Cat. No.
Insertion tool	553.69.020

Blum Cristallo Mounting jig for glass door hinge



Easy determination of the gluing position of the Blum Cristallo cup plate, fixing of the Blum Cristallo cup plate in the right position

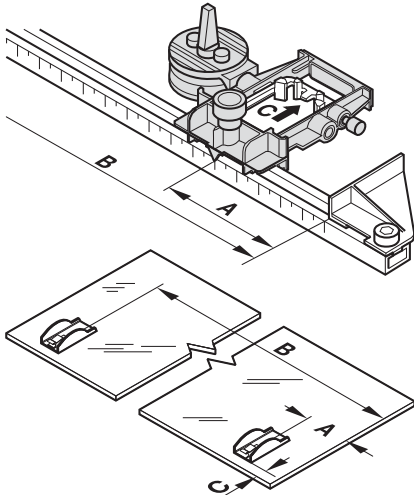
Adjustment facility: with scale

Supplied with:

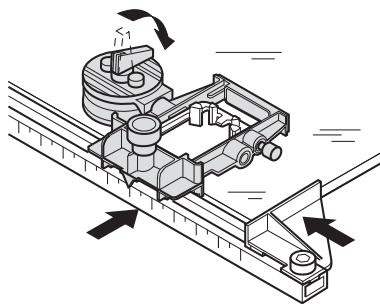
- 1 beam 1,000 mm with scale and stop
- 2 transfer templates with suction clamps

Application:

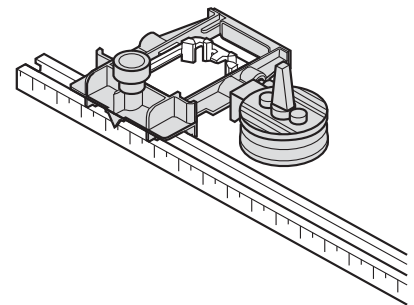
1. Setting height (A/B) and depth position (C) by means of scale



2. Fix jig with suction clamps



3. Insert cup plate and glue in according to instructions (UV-light required)



Packing: 1 piece

Model	Cat. No.
65.4000.01	001.33.156

Blum Ecodrill Drilling jig



Supplied with:

- 1 drilling jig
- 1 drill bit Ø 35 mm
- 2 drill bit Ø 8 mm
- 2 T-star drive bits
- 2 spacer rings

→ Ecodrill replacement drill bit

For precise drilling of the Blum Clip Top hinge drilling pattern, drive via hand drill, variable drilling dimension of 2–8 mm, drilling from marked line possible



Position drilling jig and tighten



Drill with hand drill

Application:

Simple and low-cost way to determine drilling dimension for Clip Top concealed hinges using a commercial power drill (minimum 700 Watts). This inexpensive option supports particularly fabricators that require few numbers of concealed hinges.

Packing: 1 piece

Model	Cat. No.
M31.1000	001.33.210

Packing: 1 piece

Model	Diameter mm	Cat. No.
M31.ZB08.02	8.0	001.33.295
M31.ZB35.02	35.0	001.33.296

Hinge and mounting plate drilling jig

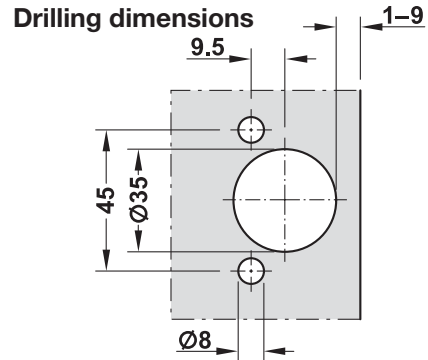


For drilling lateral fixing holes for Blum concealed hinges from the Clip Top as well as the Clip Top Blumotion range and for screw-fixed hinges and folding door hinges, for pilot drilling the mounting holes for cruciform mounting plates, Blumotion cruciform adapter housings and straight mounting plates

Application:

Drilling of the lateral mounting holes

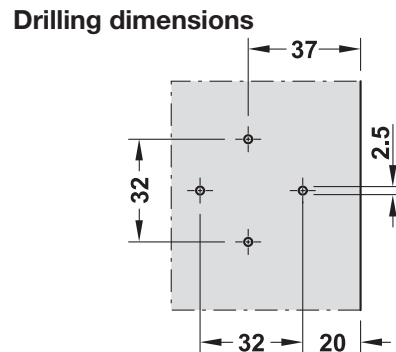
- > Determine position of concealed hinge
- > Drill Ø 35 mm drill hole using drill with stand
- > Position drilling jig
- > Push wedge to the right
- > Tighten knurled nut
- > Drill Ø 8 mm or Ø 2.5 mm holes



Application:

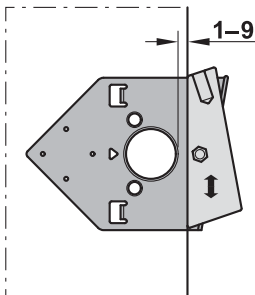
Drilling of mounting holes for cruciform mounting plates

- > Determine position of mounting plates
- > Position drilling jig
- > Drill Ø 2.5 mm holes for mounting plate

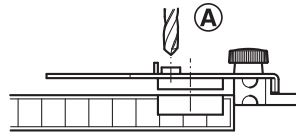


Example

Adjusting distance to cup of 5 mm

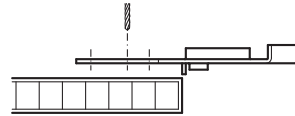


Position drilling jig



Ⓐ = distance adjustment

Position drilling jig



Supplied with:

- 1 drilling jig
- 1 reducing sleeve from Ø 8 mm to Ø 2.5 mm
- 1 drilling depth stop 8 mm

Packing: 1 piece

Model	Cat. No.
65.059A	001.33.230

Cruciform mounting plate and cruciform adapter housing drilling jig



For transferring fixing hole positions for Blum cruciform mounting plates 37/32 (Euro screws or Inserta) and Blumotion cruciform adapter housing, for transferring the dimensions from the door to the cabinet, the peg-out facility allows accurate drilling of the dimension 32 mm.

- Supplied with:**
- 1 drilling jig
 - 1 drilling depth stop for drill bit Ø 5 mm

Packing: 1 piece

Model	Cat. No.
65.5070	001.33.220

Universal marking jig



For marking the drilling positions Blum mounting plates and cruciform mounting plates, adapter housings for Tip-On and Blumotion, Aventos HF/HS/HL/HK-S lift mechanism unit, Aventos HK-XS cabinet fitting, Legrabox and Tandembox drawer side runner systems, Movento and Tandem drawer runners

Packing: 1 piece

Model	Cat. No.
65.5340.01	001.33.241

Blum Blumotion/Tip-On Drilling jig



For drilling the drill holes for soft closing mechanism for doors and for Tip-On push catch into cabinet top panel, cabinet base panel and cabinet side panels
Material: plastic/steel

Supplied with:
1 drilling jig
1 drilling depth stop Ø 10 mm

Packing: 1 piece

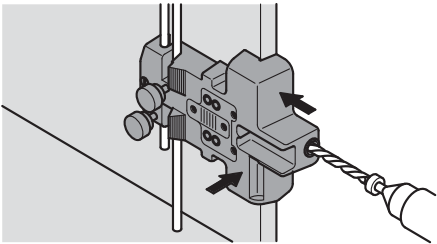
Model	Cat. No.
65.5010	356.08.959

Blum Blumotion/Tip-On and mounting plate drilling jig

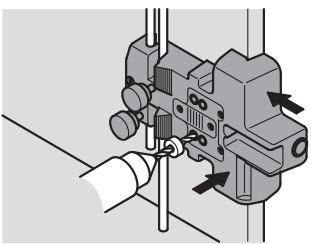


For drilling the fixing positions on front edge for Blumotion soft closing mechanism for doors on the handle side and for Tip-On push catch for doors, for pilot drilling the fixing positions for straight mounting plates and Blumotion cruciform adapter housings and for Tip-On for doors

Application:



Drill hole for Blumotion soft closing mechanism for doors or Tip-On push catch with diameter of 10 mm



Drill hole for cross or straight Blumotion/Tip-On mounting plate with diameter of 2.5 mm or diameter of 5 mm

Supplied with:
1 drilling jig
1 set of mounting rails
3 drilling depth stops (Ø 10, 2.5 and 5 mm)

Packing: 1 piece

Model	Cat. No.
65.5000	356.14.590

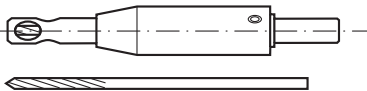
Hole centre drilling bit



For pilot drilling pilot holes for Ø 3.5 mm chipboard screws

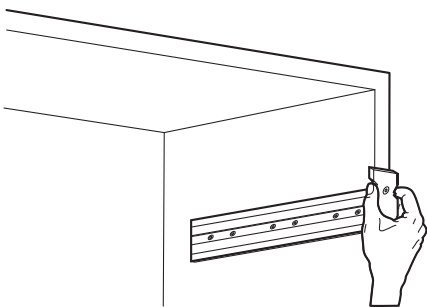
Material: HSS, hardened
Drill bit length: 70 mm
Drill bit diameter: 2.7 mm
Drilling depth: up to 8 mm

Packing: 1 piece



	Cat. No.
Hole centre drilling bit	001.42.032
Replacement drill bit for hole centre drilling bit	001.42.039

Drilling jig for cabinet processing



For Blum Tandem, Movento, Tandembox and Legrabox, for pilot drilling of fixing positions for cabinet rails, lift mechanism, mounting plates and adapter housings, drilling jig can be used for mounted cabinets and for cabinet mounting, depth position adjustment with scale

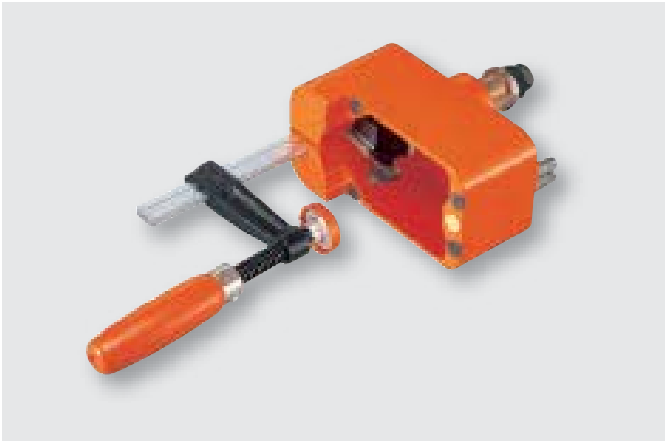
Material: plastic/steel/aluminium
Finish/colour: bright, orange

- Supplied with:**
- 1 universal drilling jig
 - 1 drilling depth stop Ø 5 mm
 - 1 reducing sleeve Ø 2.5 mm
 - 1 hex key

Packing: 1 piece

Model	Cat. No.
65.1051.02	423.53.035

Drilling jig for Blum Servo-Drive switch



For accurate drilling of connecting hole for Servo-Drive switch, can be used for mounted cabinets and for cabinet mounting

Material: aluminium
Finish/colour: bright, orange

- Supplied with:**
- 1 drilling jig for Servo-Drive switch
 - 1 drill bit Ø 35 mm for fitting
 - 2 T-star drive bits

Packing: 1 piece

Model	Cat. No.
M31.2000	372.74.579

Blum Servo-Drive Drilling jig for spacer buffer



For attaching the buffer holes to the loose or fitted front panel and the cabinet (on front edge), for spacer buffer
Ø 5 or Ø 8 mm
Colour: orange

Packing: 1 piece

Model	Cat. No.
ZML.1090	554.99.910

Blum Servo-Drive Drilling jig for base profile

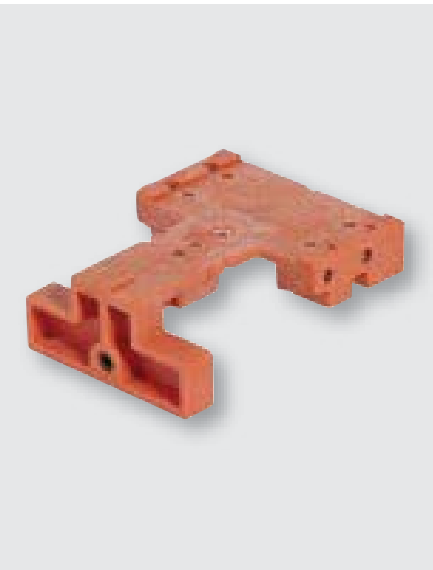


For marking or pilot drilling fixing positions for base profile
Colour: orange/black

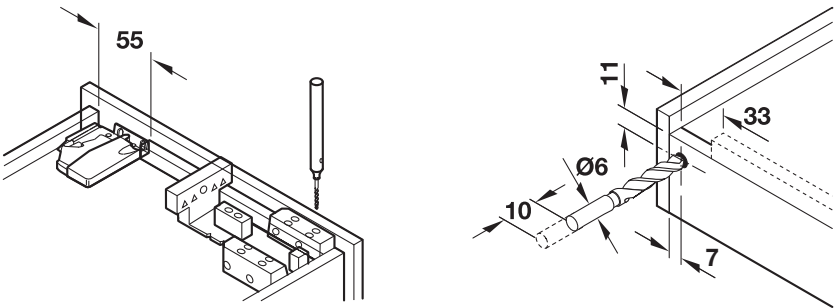
Packing: 1 piece

Model	Cat. No.
ZML.1150.02	554.99.911

Drawer drilling jig



Application:



Fixing position of the snap-in coupling Hook position of the drawer rail

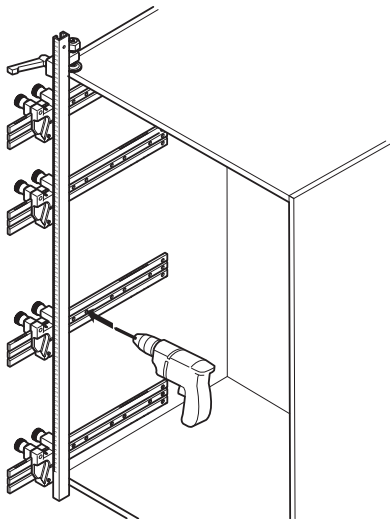
For Blum concealed runner, for drilling the hook positions for the drawer rail, for pilot drilling the fixing position of the snap-in coupling, with hardened inserts
Material: plastic
Finish/colour: orange

Supplied with: with user manual

Packing: 1 piece

Model	Cat. No.
T 65.1000.02	423.53.006

Mounting jig for cabinet processing



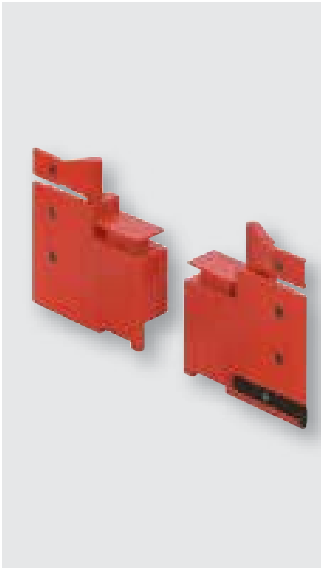
For Tandembox antaro, Metabox, Aventos and Tandem, for system screws and chipboard screws, suitable for overlay and inset doors, drilling jig can be used for mounted cabinets and for cabinet mounting, height and depth position adjustable using scale
Material: aluminium and plastic
Finish/colour: bright/orange
Length: 1,000 mm

- Supplied with:**
- 1 beam 1,000 mm
 - 4 transfer templates (pre-mounted)
 - 1 drilling depth stop Ø 5 mm
 - 1 reducing sleeve Ø 2.5 mm

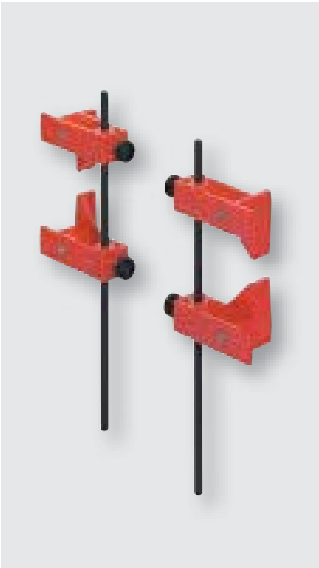
Packing: 1 piece

Model	Cat. No.
65.1000.01	001.34.156

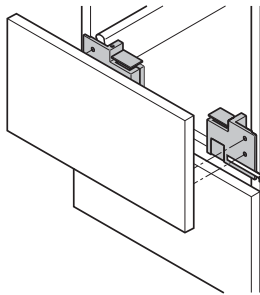
Centring gauge for front panel processing



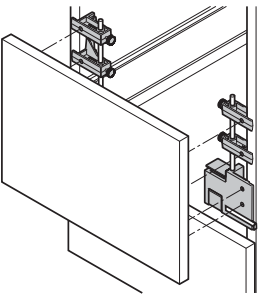
Centring gauge



Centre punch with rail



Pull out for door front fixing front processing



Drawer front processing

For Tandembox antaro, for marking the fixing positions of the front fittings
Material: aluminium/plastic
Finish/colour: bright/orange

Order reference:
Please order both 555.08.130 and 555.08.103 together for pull out for door front fixing with railing.

Packing: 1 pair

	Model	Cat. No.
Centring gauge for system height N	ZML.3510	555.08.100
Centring gauge for system height M and K	ZML.3580	555.08.130
Centre punch with rail	ZML.3600	555.08.103

Drilling template



For worktop connectors 65 or 150 mm long,
for longitudinal or lateral worktops,
for left and right corner connections without conversion
Material: Laminated wood
Dimensions (L x W x H): 1065 x 295 x 19 mm
Suitable for: plunge router with jig guide Ø 27 mm,
recesses with router cutter, diameter 14 mm

- Advantages:**
- > Neat routing pattern, without ripping
 - > No set-up or adjustment times
 - > With important information printed on

Supplied with:
1 routing template
3 pegs

Packing: 1 piece

Version	Cat. No.
For edge-to-edge joints with an angle of 90°	002.13.507
For edge-to-edge joints with an angle of 135°	002.13.534

→ Router cutter



HM-tipped
Shank Ø: 12 mm, diameter: 14 mm

→ Replacement peg



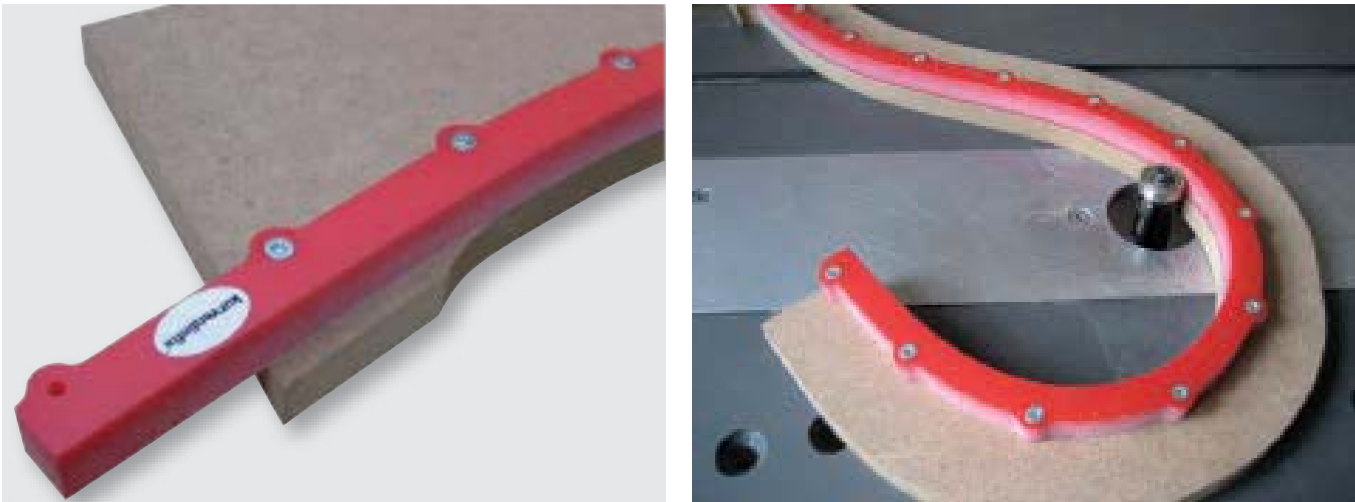
Area of application: for fixing the routing template
Material: steel galvanized
Dimensions: Ø 12.0 x 50mm

	Packing pieces	Cat. No.
Router cutter Ø14 mm		
Router cutter	1	002.14.120
Accessories		
Blade insert for router cutter	1	002.14.190
Countersunk head screw	3	002.14.198
TS head spanner	1	002.14.199

Packing: 1 piece

	Cat. No.
Peg	002.13.519

Curve ruler



Simple curve cutting – arch cutting –special shapes

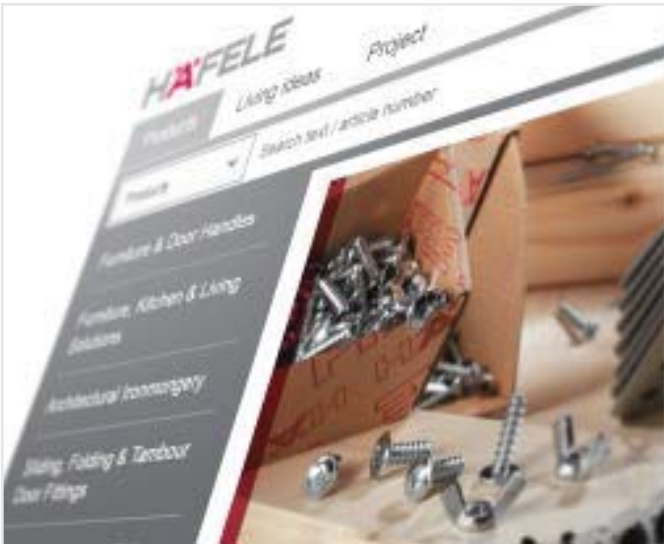
For screw fixing to MDF or chipboard, for producing models, the material is made from a highly flexible plastic and can be bent into any arch or curve shape

Technical data:

Length mm	Cross section mm	Internal radius mm	External radius mm	For SK screws
1,200	12 x 12	min. 50	min. 70	3 x 20 mm
2,000	18 x 18	min. 100	min. 120	4 x 30 mm

Packing: 1 piece

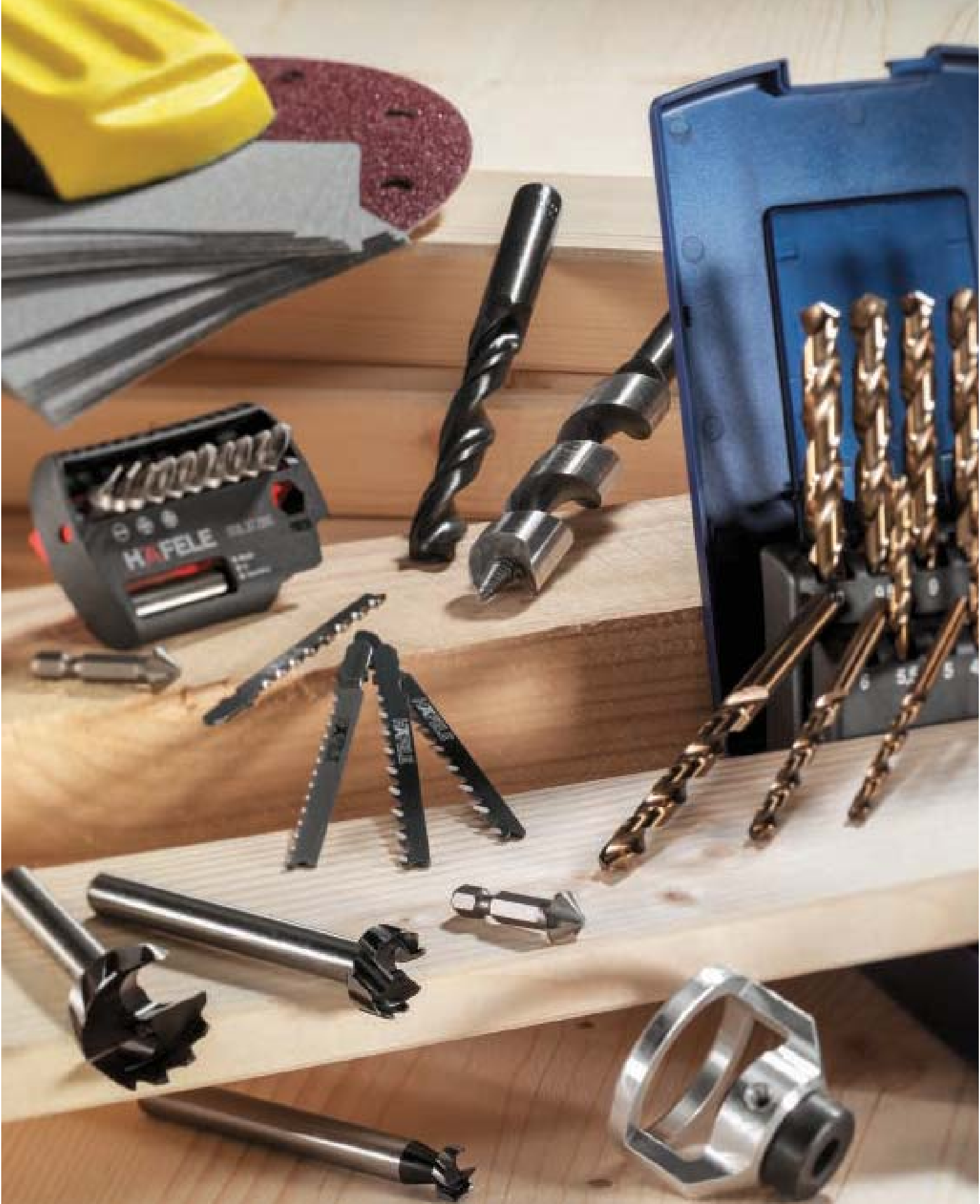
Length mm	Cat. No.
1,200	002.13.002
2,000	002.13.003



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ABRASIVES, SAW BLADES, DRILL BITS AND
SCREWDRIVER BITS

CONTENTS

ABRASIVES, SAW BLADES, DRILL BITS AND SCREWDRIVER BITS

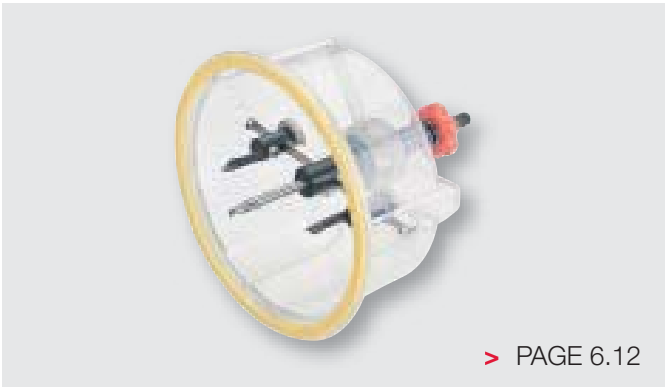
Abrasives



Saw blades



Holesaws



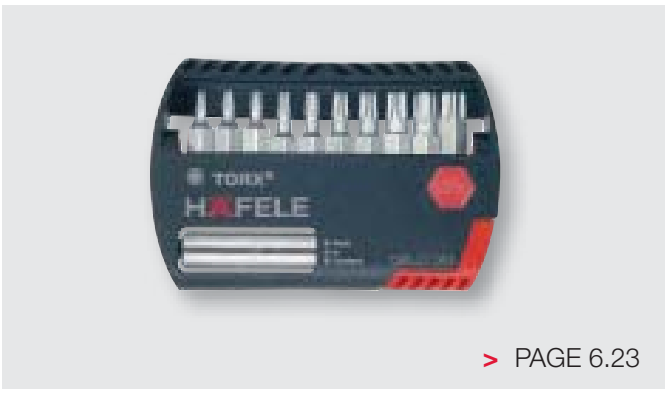
Accessories for drills



Drill bits and accessories



Bits and accessories



Mirka Abranet® Sandpaper roll



For all grinding applications in woodworking and drywall construction, very long tool life, dust-free sanding, for considerably lower health burden, universal areas of application

Packing: 1 piece

Grain size	Cat. No.	Grain size	Cat. No.
75 mm x 10 m		115 mm x 10 m	
P 80	005.51.209	P 80	005.51.309
P 120	005.51.213	P 120	005.51.313
P 180	005.51.219	P 180	005.51.319
P 240	005.51.225	P 240	005.51.325
P 320	005.51.233	P 320	005.51.333
		P 400	005.51.341

Sandpaper roll



For hardwood, metal, UV and DD lacquers and melamine resin film, up to grain size P 150: E paper with aluminium oxide grain and synthetic resin bonding, from grain size P 220: a paper with silicone grain and hide glue binding
Length: 50 m
Width: 115 mm

Packing: 1 piece

Grain size	Cat. No.
P 80	005.51.009
P 100	005.51.011
P 120	005.51.013
P 150	005.51.016
P 220	005.51.023
P 240	005.51.025

Mirka Proflex Sandpaper roll



Suitable for lacquer/fillers, plastic, putty, wood
flexible, optimized for hand grinding, high-quality latex carrier, fibre-reinforced
Grain type: aluminium oxide
Binder: synthetic resin
Carrier material: C or B latex paper
Colour: gold
Length: 50 m
Width: 115 mm

Packing: 1 piece

Grain size	Cat. No.
P 80	005.51.070
P 100	005.51.071
P 120	005.51.072
P 150	005.51.073
P 220	005.51.074
P 240	005.51.075
P 320	005.51.076
P 400	005.51.077

Finishing pad

Length: 10 m
Width: 115 mm

Packing: 1 piece

Grain size	Cat. No.
P 280	005.56.029
P 400	005.56.041

Sanding sheet

For sanding block 70 x 120 mm,
non-perforated, with velcro,
E paper, heavy
Dimensions (L x W): 70 x 120 mm

Grain size	Packing piece	Cat. No.
Sanding paper for wood, red		
P 80	50	005.54.008
P 100	100	005.54.010
P 120	100	005.54.012
P 150	100	005.54.015
P 180	100	005.54.018
Paint sanding paper, grey		
P 220	100	005.54.022
P 240	100	005.54.024

Sanding sponge

Dimensions (W x D x H): 100 x 67 x 27 mm

Packing: 10 or 50 pieces

Grain size	Cat. No.
P 80	005.48.408
P 100	005.48.410
P 120	005.48.412
P 180	005.48.418
P 220	005.48.419

Soft foam sanding pad

Soft foam
Dimensions (W x D x H): 123 x 98 x 12.5 mm

Packing: 10 or 50 pieces

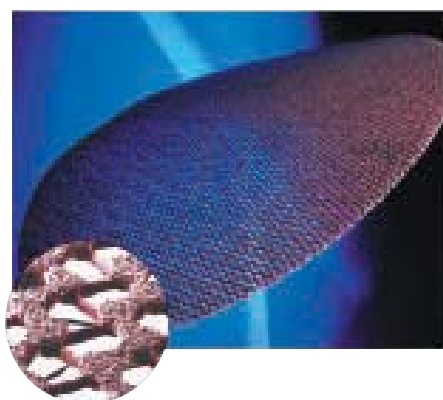
Grain size	Cat. No.
P 100	005.48.110
P 120	005.48.112
P 150	005.48.115
P 180	005.48.118
P 220	005.48.119

Mirka Abranet® Sanding disc Ø 150 mm

For all grinding applications in woodworking and drywall construction,
very long tool life

Dust-free sanding,
for considerably lower health burden,
universal areas of application,
Diameter: 150 mm

Packing: 50 pieces



Grain size	Cat. No.
Abranet® sanding discs	
P 80	005.58.210
P 100	005.58.230
P 120	005.58.211
P 150	005.58.232
P 180	005.58.212
P 240	005.58.213
P 320	005.58.214
P 400	005.58.215
Abranet® Ace sanding discs	
P 500	005.58.406
P 600	005.58.407
P 800	005.58.408
P 1000	005.58.409

Mirka Abralon® Sanding disc Ø 150 mm

Reduces effort and time
with elaborate polishes,
for mineral materials,
for lacquers in conjunction with T10
polish and lambskin pad
Diameter: 150 mm

Packing: 20 pieces

Grain size	Cat. No.
K 360	005.58.251
K 1000	005.58.255
K 2000	005.58.256
K 4000	005.58.257

Sanding disc Ø 150 mm, with multiple perforations

For processing of wood materials (mainly softwood), lacquered surfaces and fibre composite material structures such as wind turbine propellers, yachts

Abrasive grain: Corundum
Underlay: C paper,
with Velcro fastening
Dispersion: open
Ø 150 mm

- > Low clogging with sanding dust provided by an open coating and additional improved long life coating
- > Longer tool life
- > Improved grinding pattern due to continuous, dust extraction over the whole surface and lower sanding temperatures

- > Universally applicable for all machine types
- > Reduced problems with sanding dust improves working conditions

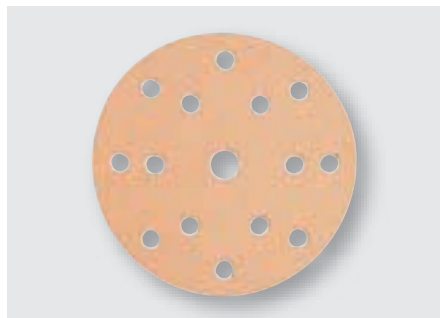
Packing: 1 piece

Grain size	Contents	Cat. No.
P 60	50 pieces	005.52.200
P 80	50 pieces	005.52.201
P 100	100 pieces	005.52.202
P 120	100 pieces	005.52.203
P 150	100 pieces	005.52.204
P 180	100 pieces	005.52.205
P 220	100 pieces	005.52.206
P 240	100 pieces	005.52.207
P 320	100 pieces	005.52.208
P 400	100 pieces	005.52.209
P 500	100 pieces	005.52.210

**Mirka Gold Sanding disc
Ø 150 mm**

With Velcro, Ø 150 mm,
15 apertures

For wood materials and lacquers



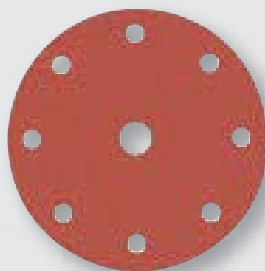
Supplied with:
1 pack of 100 pieces
Packing: 1 pack

Grain size	Cat. No.
P 80	005.52.190
P 100	005.52.191
P 120	005.52.192
P 150	005.52.193
P 180	005.52.194
P 220	005.52.195

Sanding disc Ø 150 mm

With Velcro, Ø 150 mm,
9 apertures

For wood materials



Suitable for all sanding devices

Grain size	Packing pieces	Cat. No.
P 60	50	005.52.106
P 80	50	005.52.108
P 100	100	005.52.110
P 120	100	005.52.112
P 150	100	005.52.115

For lacquers



Suitable for all sanding devices

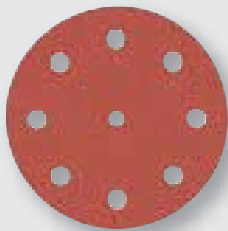
Packing: 100 pieces

Grain size	Cat. No.
P 220	005.52.122
P 240	005.52.124
P 280	005.52.128
P 320	005.52.132

Sanding disc Ø 125 mm

With Velcro, Ø 125 mm,
8 apertures

For wood materials



Suitable for all sanding devices

Grain size	Packing pieces	Cat. No.
P 60	50	005.11.083
P 80	50	005.11.084
P 100	100	005.11.085
P 120	100	005.11.086
P 150	100	005.11.087
P 180	100	005.11.088

For lacquers



Suitable for all sanding devices
Packing: 100 pieces

Grain size	Cat. No.
P 220	005.11.095
P 240	005.11.096
P 280	005.11.097
P 320	005.11.098

Sanding paper

With Velcro,
for wood materials



Suitable for fine grinding equipment
Dimensions: diameter 80 mm

Packing: 50 pieces

Grain size	Cat. No.
P 60	005.20.303
P 80	005.20.304
P 100	005.20.305
P 120	005.20.306
P 150	005.20.307
P 180	005.20.308

Sanding sheet 80 x 133 mm

With 8 apertures, with Velcro

For wood materials



For lacquers



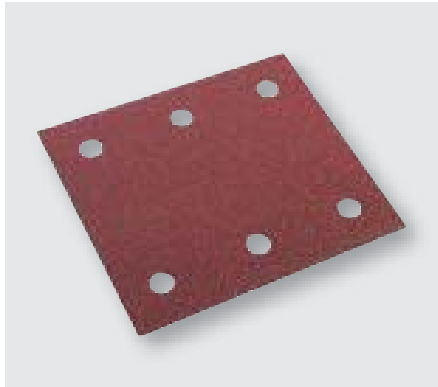
Packing: 100 pieces

Grain size	Packing pieces	Cat. No.
P 60	50	005.17.733
P 80	50	005.17.734
P 100	100	005.17.735
P 120	100	005.17.736
P 150	100	005.17.737
P 180	100	005.17.738

Grain size	Cat. No.
P 220	005.17.745
P 240	005.17.746
P 280	005.17.747
P 320	005.17.748

Sanding sheet 115 x 102 mm

For wood and metal



With 6 apertures, with Velcro
Package contents = 10 pieces

Packing: 1 pack

Grain size	Cat. No.
P 60	005.17.760
P 80	005.17.761
P 100	005.17.762
P 120	005.17.763
P 150	005.17.764
P 180	005.17.765

Sanding belt cleaner



For removing resin and grinding dust from the running sanding belt, extends the tool life of sanding belts by up to 200%

Packing: 1 piece

	Cat. No.
Sanding belt cleaner	005.51.920

Sanding block



With Velcro fastening, foam rubber black
Dimensions (L x W): 70 x 120 mm

Packing: 1 piece

	Cat. No.
Sanding block	005.51.900

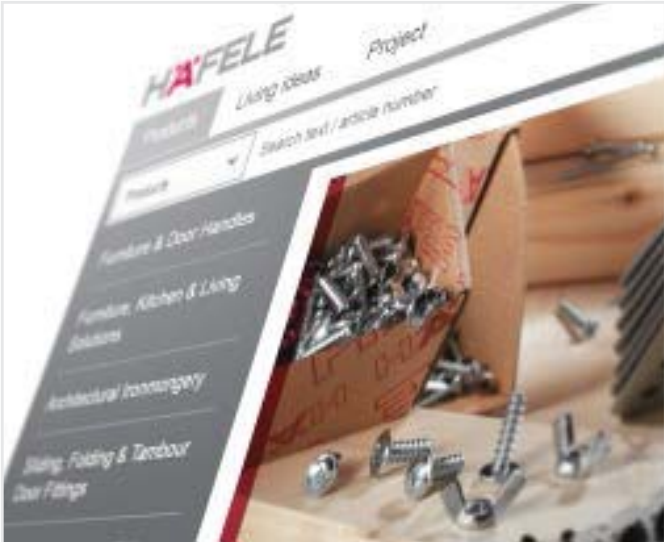
Sanding block



For sanding discs Ø 150 mm, very well suited to work on used discs, with Velcro fastening
Dimensions (L x W x H): 78 x 87 x 148 mm

Packing: 1 piece

	Cat. No.
Sanding block	005.51.907



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Metal cutting disc



For steel, stainless steel,
conditionally for lightweight
and non-ferrous metals,
for dry cuts,
good cutting properties,
low heat generation,
drill hole: 22.2 mm,
low iron and sulphate,
long tool life
Thickness: 1.0 mm

Packing: 10 pieces

Diameter mm	Speed range	Cat. No.
115	max. 13,300 rpm	005.14.010
125	max. 12,200 rpm	005.14.020

Velcro Backing pad, perforated



For random orbit sander,
for velour Velcro fastening
sanding discs, Ø 150 mm,
for all hole patterns,
for optimal dust extraction when
using perforated sanding discs,
with Festool adapter,
M8 and 5/16" screw

Packing: 1 piece

	Cat. No.
Velcro backing pad for random orbit sander	005.58.502

Pad protection disc



For random orbit sander with
disc Ø 150 mm,
67 apertures

Packing: 1 piece

Diameter mm	Cat. No.
145	005.58.209

Lambskin pad



For polishing demanding surfaces
Supplied with:
1 pack of 2 pieces

Packing: 1 pack

Diameter mm	Cat. No.
150	005.58.260

Mirka T 10 Polish



Suitable for all lacquers

Packing: 1 piece

Contents ml	Cat. No.
1,000	005.58.265

Jigsaw blades for wood materials

For quick cuts in softwood, chipboard, plywood, fibreboard, from 5–50 mm, HCS steel, ground, side set tooth design
Pitch: 4 mm
Toothed length: 105 mm

Supplied with:
1 pack of 5 pieces



For quick cutting in hardwood and softwood, coated panels, chipboard and plywood, plastics, from 5–70 mm, HCS steel, taper ground
Pitch: 3 mm
Toothed length: 105 mm

Supplied with:
1 pack of 5 pieces



For quick cutting in hardwood and softwood, HCS steel, side set tooth design

Pitch: 4 mm
Toothed length: 75 mm

Supplied with:
1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.403

Packing: 1 pack

	Cat. No.
	000.70.402

Packing: 1 pack

	Cat. No.
	000.70.349



For fast, clean, right-angled cuts in hardwood and softwood, plywood, coated chipboard, plastics, up to 60 mm, HCS steel, taper ground
Pitch: 2.5 mm
Toothed length: 91 mm

Supplied with:
1 pack of 5 pieces



For neat surface cut in wood, laminate, parquet, plywood, plastics, coated wood, up to 20 mm, Bi-metal, taper ground, reverse ground teeth
Pitch: 1.9 mm
Toothed length: 60 mm

Supplied with:
1 pack of 5 pieces



For clean cuts in hardwood, wood materials, plastics, HCS steel, taper ground

Pitch: 2.5 mm
Toothed length: 75 mm

Supplied with:
1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.401

Packing: 1 pack

	Cat. No.
	000.70.405

Packing: 1 pack

	Cat. No.
	000.70.319

Jigsaw blades for wood materials

Specially for curved cuts in softwood, chipboard, plywood, fibreboard, from 5–50 mm, HCS steel, ground, side set tooth design,
Pitch: 4 mm,
Toothed length: 75 mm

Supplied with:

1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.400



For clean cuts in hardwood and softwood, plastics, HCS steel, taper ground
Pitch: 4 mm
Toothed length: 75 mm

Supplied with:

1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.329



For fast, clean, right-angled cuts in hardwood and softwood, plywood, coated chipboard, plastics, up to 60 mm, HCS steel, taper ground
Pitch: 2.5 mm
Toothed length: 91 mm

Supplied with:

1 pack of 25 pieces

Packing: 1 pack

	Cat. No.
	000.70.301

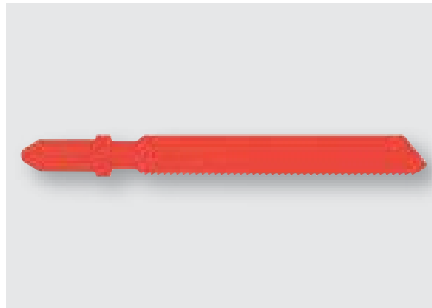
Jigsaw blade, multi box

For wood materials, for almost all applications

- > Pitch 1.6 mm: for straight cuts, extremely suitable for laminate
 - > Pitch 2.5 mm: for straight, fine cuts
 - > Pitch 4 mm: extra strong blade for long and straight cuts
 - > Progressive pitch 4–5.2 mm
 - > Progressive pitch 4–5.2 mm: for softwood and boards, especially for cutting curves
- 5 each of 5 different jigsaw blades

Packing: 1 pack

	Cat. No.
Multi box	000.70.302

Jigsaw blade for metal

Steel, non-ferrous metals, up to 2 mm, HCS steel, wavy set tooth design

Pitch: 1.2 mm
Toothed length: 50 mm

Supplied with:

1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.369

Reciprocating saw blade

For wood, construction steel, stainless steel and non-ferrous metals, for rough cuts, for screws, nails and iron material in wood
Cutting depth: max. 5 mm, in steel and non-ferrous metals
Pitch: 4 mm
Toothed length: 150 mm

Supplied with:

1 pack of 5 pieces

Packing: 1 pack

	Cat. No.
	000.70.810

Circular cutter



For circle diameter of 30–163 mm, cuts plywood, gypsum plaster and acrylic sheets up to 23 mm thickness, cuts aluminium, brass and other metal plates up to 1 mm thickness, with two-sided application: cutting depths up to 45 mm are possible, transparent cap prevents chips from falling out, and allows monitoring the entire work process, suitable for drill chuck 13 mm

Supplied with:

- 1 cutting blade for wood, 1 cutting blade for metal
- 1 transparent protective cap
- 1 drilling/cutting device
- 1 plastic transport case

Packing: 1 piece

	Cat. No.
Circular cutter	001.67.518

→ Drill bit

Packing: 1 piece

	Cat. No.
Drill bit	001.67.590

→ Replacement blade for metal

Packing: 1 piece

Version	Cat. No.
Hard metal tipped	001.67.537

→ Replacement blade for wood

Packing: 1 piece

Version	Cat. No.
Hardened steel	001.67.528

Circular cutter hard metal



Dust protected working on ceiling, wall and floor areas

Max. cutting depth 30 mm on one side or both sides 60 mm, easy, exact setting of the drill diameter, additional HSS blade set is also supplied for drill holes in plastic and acrylic

Supplied with:

- 1 hood
- 1 twist drill bit
- 1 HM blade set for wood
- 1 HSS blade set for plastic and acrylic
- 1 transport case

Packing: 1 piece

	Cat. No.
Hole Ø from 40–125 mm	001.67.018

→ Replacement blade

Packing: 2 pieces

Version	Cat. No.
Replacement blade for wood, HM-tipped	001.67.010

Holesaw set, 10 pieces, hard metal



Cuts up to 5x faster

New holder allows quick removal of sawing core, simple and safe magnification of an existing drill hole possible (additional holesaw can be used for centring), solid wood, chipboard, MDF, plastic, plasterboard, aerated concrete and tiles up to hardness rating 6

Supplied with:

1 each of holesaw Ø 30, 40, 57, 60, 65, 68, 80, 86 mm, with suitable holders

Tailored to popular lights and cable glands

Packing: 1 set

	Cat. No.
Hard metal holesaw set	001.67.110

Holesaw set, 8 pieces, hard metal, universal



For cutting holes into any type of wooden and board material, MDF, gas concrete, plasterboard, plastics and tiles with a scratch hardness of up to 6

Cutting depth: 50 mm

Easily removable saw core due to sophisticated ejection system, excellent concentricity is provided by the solid base and one-piece saw body, hard metal

Saw body: steel

Supplied with:

6 holesaws, Ø 35, 50, 57, 60, 68 and 80 mm

1 hole edge countersink

1 quick change holesaw arbor with HSS hole centre drilling bit

Packing: 1 piece

	Cat. No.
Holesaw set, hard metal, universal	001.67.111

Universal drill bit set, 29 pieces



HSS-G
suitable for all materials such as wood,
metal and stainless steel,
drill bit sizes from 1–13 mm,
rising by 0.5 mm,
non-slip shank,
impact-resistant case,
unique tip design enables bits to bite on round surfaces



Packing: 1 piece

	Cat. No.
Universal drill bit set	001.41.580

Drill bit sharpener



For sharpening twist drill bits (HS/HM)
automatically guided grinding process, excellent point
geometry due to curve-controlled chuck characterized
by very good life time life for the drill bit, thinning the
cutting edges in one setting (conical sharpening),
easy replacement of the slip rings,
with template for point angle control

Technical data:
Grinding range approx. 2.5–13.0 mm
Point angle adjustable to 118°/155°
Motor: 230 V, 50 Hz, 1.75 A

Packing: 1 piece

	Cat. No.
Drill bit sharpener	005.29.000

→ Replacement slip ring

Packing: 1 piece

Diameter mm	Cat. No.
Disk Ø 13	005.29.020

HSS or HS-CO twist drill bit set, 19 pieces



HSS or HSS-Co
Diameter: 1 to 10 mm,
rising by 0.5 mm
supplied in plastic carrying case

Packing: 1 piece

Material	Cat. No.
HSS	001.41.530
HSS-Co	001.41.570

HSS twist drill bit



HSS
Standard: DIN 338

Diameter mm	Packing pieces	Cat. No.
1.0	10	001.41.006
1.5	10	001.41.015
2.0	10	001.41.024
2.5	10	001.41.042
3.0	10	001.41.051
3.5	10	001.41.088
4.0	10	001.41.104
4.5	10	001.41.131
5.0	10	001.41.168
5.5	10	001.41.177
6.0	10	001.41.186
6.5	10	001.41.211
7.0	10	001.41.220
7.5	10	001.41.239
8.0	10	001.41.248
8.5	10	001.41.266
9.0	10	001.41.275
9.5	10	001.41.284
10.0	10	001.41.293
10.5	10	001.41.300
11.0	5	001.41.319
11.5	5	001.41.328
12.0	5	001.41.337
13.0	5	001.41.355

HSS twist drill bit set, 25 pieces



HSS
Standard: DIN 338
Diameter: 1 to 13 mm,
rising by 0.5 mm
supplied in plastic carrying case

Packing: 1 piece

	Cat. No.
Twist drill bit set	001.41.551

**HSS twist drill bit set for wood,
5 pieces**



For drilling holes in all types of wood,
MDF and acrylic glass,
HSS, with centering tip
Diameter: Ø 4, 5, 6, 8, 10 mm

Packing: 1 set

	Cat. No.
Twist drill bit set for wood, 5 pieces	001.20.392

HSS twist drill bit set for wood, 25 pieces

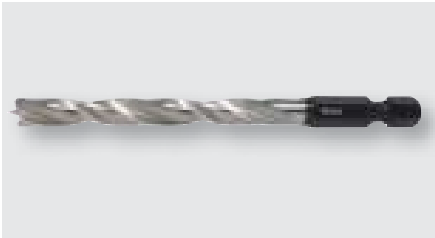


For drilling into soft wood and
hardwood, bonded wood, MDF,
plastic and acrylic glass,
extremely robust and hard-wearing,
smooth chip removal
Diameter: 1 to 13 mm
rising by 0.5 mm, HSS

Packing: 1 piece

	Cat. No.
Twist drill bit set for wood, 25 pieces	001.20.393

HSS twist drill bit for wood



With hexagonal holder 1/4",
suitable for common universal
holders and bit holders

Packing: 1 piece

Drill hole Ø mm	Drill bit length mm	Cat. No.
3	70	001.20.503
4	75	001.20.504
5	85	001.20.505
6	95	001.20.506
8	110	001.20.508
10	110	001.20.510
12	110	001.20.512

Professional twist drill bit for wood



For drilling holes in all types of wood,
MDF and acrylic glass, HSS,
with centering tip

Packing: 1 piece

Drill hole Ø mm	Drill bit length mm	Cat. No.
4	75	001.20.370
5	85	001.20.371
6	95	001.20.372
7	110	001.20.373
8	110	001.20.374
10	110	001.20.376
12	140	001.20.377
13	140	001.20.378
14	140	001.20.379
15	140	001.20.380

HSS twist drill bit for wood



For drilling holes in all types of wood, MDF and acrylic glass, for deep holes, e.g. for door catch, with centering tip, HSS

Packing: 1 piece

Drill hole Ø mm	Drill bit length mm	Cat. No.
8	400	001.20.350
10	400	001.20.351
11	250	001.20.381
12	250	001.20.352

Countersink drill bit with depth gauge



Suitable for decking screws

Drilling and countersinking in one operation, prevents tearing of screws in hardwood, ensures a perfect seat of the screw head
Drill bit diameter: 4.8 mm

HSS twist drill bit set for wood, 3 pieces



For drilling holes in all types of wood, MDF and acrylic glass, for deep holes, e.g. for push catch, with centering tip, HSS,
Drill bit length: Ø 8 mm/400 mm, Ø 10 mm/400 mm, Ø 12 mm/250 mm

Supplied with:
1 drill bit each of
Ø 8 mm, Ø 10 mm, Ø 12 mm

Packing: 1 piece

	Cat. No.
HSS twist drill bit set for wood, 3 pieces	001.20.353

Packing: 1 piece

	Cat. No.
Countersink drill bit with depth gauge	001.28.590



Forstner drill bit set with accessories



Allows precise drilling even with extreme angular positions, with 100 % true running accuracy, forged drill bit with wavy cutting edge, 2 cutting edges in premium quality, with replaceable centering tip and replaceable hole center drilling bit, extension to up to 4 times the standard length, easy connection and extension without screws, 5-piece set in wooden box
Drill bit diameter: 15, 20, 25, 30, 35 mm
Length: 90 mm

- Supplied with:**
Forstner drill bit Ø 15, 20, 25, 30, 35 mm
Extension: GL 93 mm
Disassembly tool
2x hole center drilling bit Ø 4 mm
2x centering tip
1x case size S

Packing: 1 piece

	Cat. No.
Forstner drill bit set with accessories	001.04.150

Forstner drill bit set, 5 pieces



5-piece set in elegant wooden box, wavy cutting edge, 2 cutting edges in premium quality
Length: 90 mm

- Supplied with:**
Ø 15, 20, 25, 30, 35 mm

Packing: 1 piece

	Cat. No.
Forstner drill bit set, 5 pieces	001.04.100

Forstner drill bit, WS

For soft wood, suitable for use with drilling depth stop
Cutting edges: tool steel

Forstner drill bit, WS

For softwood, hardwood, chipboard and MDF boards, with toothed outer spur which prevents overheating and makes the drill bit stay sharp longer, suitable for use with drilling depth stop, drill bit with continuous shaft Ø
Cutting edges: tool steel

HM multi-spur drill bit

For hardwood, chipboard and MDF boards and plastics, suitable for use with drilling depth stop, drill bit with continuous shaft Ø
Cutting edges: HM-tipped

Packing: 1 piece

Drill hole Ø mm	Shaft Ø mm	Cat. No.
15.0	8	001.05.037
20.0	8	001.05.064
25.0	10	001.05.091
30.0	10	001.05.126
35.0	10	001.05.153

Packing: 1 piece

Drill hole Ø mm	Shaft Ø mm	Cat. No.
12.0	8	001.04.112
15.0	10	001.04.115
18.0	10	001.04.118
19.0	10	001.04.119
20.0	10	001.04.120
25.0	10	001.04.125
26.0	10	001.04.126
30.0	10	001.04.130
35.0	10	001.04.135

Packing: 1 piece

Drill hole Ø mm	Shaft Ø mm	Cat. No.
12.0	8	001.06.612
15.0	10	001.06.615
18.0	10	001.06.618
20.0	10	001.06.620
25.0	10	001.06.625
26.0	10	001.06.626
30.0	10	001.06.630
35.0	10	001.06.635
40.0	10	001.06.640

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Tile cutter drill bit set, diamond



For materials up to hardness rating 8, resistant diamond dust coating, with water spiral on drill bit, with water supply system for easy cooling of the drill bit

Packing: 1 piece

Drill hole Ø mm	Cat. No.
Set: 5, 6, 7, 8, 10	001.69.060

→ Tile cutter drill bit diamond

Packing: 1 piece

Drill hole Ø mm	Cat. No.
6.0	001.69.063
8.0	001.69.065
10.0	001.69.066

→ Water supply tank for drill bit cooling

Packing: 1 piece

	Cat. No.
Water supply tank for drill bit cooling	001.69.069

HM masonry drill bit



For use with cordless drills, impact drilling: In sand-lime brick plan elements, red bricks and concrete, rotary drilling: In roof tiles, slates, marble, wall tiles and lightweight materials
Cutting material: HM-tipped, rapid drilling provided by aggressive hard metal cutting edges, quadruple conveyor spiral for rapid drilling dust extraction

Packing: 1 piece

Drill hole Ø mm	Cat. No.
6.0	001.69.007
8.0	001.69.013
10.0	001.69.015

SDS-plus HM hammer drill bit

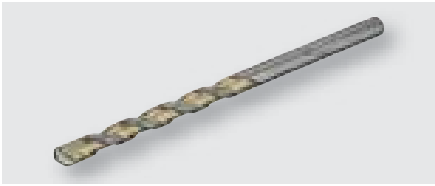


For concrete, granite, masonry, brick, hard-burnt tiles, marble

Cutting material: HM-tipped, with SDS-plus pick-up shaft

Drill hole Ø mm	Effective length mm	Packing pieces	Cat. No.
6.0	100	1 or 10	001.70.004
6.0	150	1 or 10	001.70.003
6.0	200	1	001.70.005
8.0	100	1 or 10	001.70.007
8.0	150	1 or 10	001.70.008
8.0	200	1	001.70.010
10.0	200	1 or 10	001.70.011
12.0	200	1 or 10	001.70.014
14.0	200	1	001.70.017

HM universal drill bit



Suitable for all materials: Masonry, wall tiles, roof tiles, plastic, lightweight material, metal, non-ferrous metal, coated chipboard, drilling also possible on smooth and hard surfaces thanks to the diamond-ground HM horizontal blade

Packing: 1 piece

Drill bit diameter mm	Drill bit length mm	Cat. No.
3	60	001.68.414
4	85	001.68.415
6	100	001.68.410
8	120	001.68.411
10	120	001.68.412
12	150	001.68.413

Universal drill bit set, 4 pieces



For all materials, easy drilling also on smooth and hard surfaces

Supplied with:
1 drill bit Ø 5 mm
1 drill bit Ø 6 mm
1 drill bit Ø 8 mm
1 drill bit Ø 10 mm

Packing: 1 piece

	Cat. No.
Universal drill bit set, 4 pieces	001.68.419

SDS-plus HM hammer drill bit



Impeller cutting edge with 3 blades, robust head geometry thanks to recessed tungsten hard metal head, will withstand impacts with reinforcement, long life time, with SDS-plus pick-up shaft

Packing: 1 or 10 pieces

Drill bit diameter mm	Drill bit length mm	Cat. No.
6	110	001.70.110
6	160	001.70.111
8	110	001.70.112
8	160	001.70.113
10	160	001.70.114
12	160	001.70.115
12	210	001.70.116

SDS-plus hammer drill bit set, 5 pieces



Impeller cutting edge with 3 blades, robust head geometry thanks to recessed tungsten hard metal head, will withstand impacts with reinforcement, long life time, with SDS-plus pick-up shaft

Supplied with:
1 drill bit Ø 6 x 50 mm
1 drill bit Ø 8 x 100 mm
1 drill bit Ø 6 x 100 mm
1 drill bit Ø 8 x 160 mm
1 drill bit Ø 10 x 160 mm

Packing: 1 piece

	Cat. No.
Hammer drill bit set, 5 pieces	001.70.117

Plug-on countersunk bit



For attaching to drill,
with retaining screw

Packing: 1 piece

Diameter mm	Cat. No.
4.0	001.28.218
5.0	001.28.227
6.0	001.28.236

HSS flute countersink bit with 1/4" hex shank



For countersinking, deburring and
bevelling of drill holes in wood,
plastic and steel

Packing: 1 piece

Diameter mm	Cat. No.
12.4	001.26.162
16.5	001.26.166

Countersink drill bit



For countersinking, deburring and
bevelling of drill holes in wood,
plastic and steel
Shaft: 10 x 50 mm,
Total length: 75 mm

Packing: 1 piece

Diameter mm	Cat. No.
16.0	001.26.116

Countersunk bit, hand held



With plastic handle

Packing: 1 piece

	Cat. No.
Countersunk bit, hand held	001.26.134

Drilling depth stop



For drill bits with continuous shank
Ø 10 mm and max. drill hole
Ø 35 mm, bell shape, with retaining
screw, no damage to the surface
when drilling, as the ring stops
rotating when it touches the material
being drilled

Packing: 1 piece

	Cat. No.
Drilling depth stop	001.28.129

Stop ring



Retaining screw with hexagon socket

Packing: 1 piece

Internal Ø mm	External Ø mm	Cat. No.
5	10	001.42.665
6	12	001.42.674
8	16	001.42.683
10	23	001.42.693

Wiha BitBuddy Bit box with 7 bits,
PZ and TS



MaxxTor bits, assorted
with belt clip, swivels by 180°
Supplied with:
1 universal magnetic holder,
shape E 6.3,
1 each of PZ1, PZ2, TS15, TS20,
TS25, TS30, TS40
Packing: 1 piece

Contents	Cat. No.
8 pieces	006.37.075

Häfele Bit box with 10 bits



Supplied with:
1 universal magnetic holder
1 flat bit each of 5.5 and 6.5 mm
1 bit each of PH1, PH3
2 bits PH2
1 bit each of PZ1, PZ3
2 bits PZ2
Packing: 1 piece

Contents	Cat. No.
11 pieces	006.37.090

Häfele Bit box with 10 bits,
PZ and TS



Supplied with:
1 universal magnetic holder
1 bit each of PZ1, PZ3
2 bits PZ2
1 bit each of TS10, TS15, TS20,
TS25, TS30, TS40
Packing: 1 piece

Contents	Cat. No.
11 pieces	006.37.093

Häfele Bit box with 10 bits, TS



Supplied with:
1 universal magnetic holder
2 bits each TS10, TS15, TS20, TS25,
TS30

Packing: 1 piece

Contents	Cat. No.
11 pieces	006.37.091

Häfele Bit box with 10 bits, PZ



Extra hard HOT torsion bit
Supplied with:
1 universal magnetic holder
2 bits each of PZ1, PZ3
6 bits PZ2

Packing: 1 piece

Contents	Cat. No.
11 pieces	006.37.095

Häfele Bit box with 30 bits,
PZ and TS



Drive: 1/4"
Supplied with:
1 universal magnetic holder
4 bits PZ1
12 bits PZ2
3 bits PZ3
1 bit each of TS10, TS15
3 bits TS20
2 bits each of TS25, TS30, TS40
Packing: 1 set

Contents	Cat. No.
31 pieces	006.40.260

Häfele PZ bits

With Häfele lettering
Length: 25 mm
Drive: 1/4"

Häfele PZ torsion bits, long

With Häfele lettering,
for use when drilling into soft material,
long life time, low wear, less contact
pressure required, extra hard
Length: 50 mm
Drive: 1/4"

Häfele PZ torsion bits

With Häfele lettering,
for use when drilling into soft material,
long life time, low wear, less contact
pressure required, extra hard
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

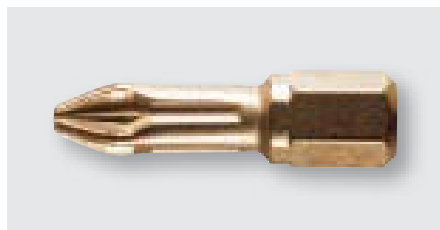
Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.121
PZ2	3.5-5	006.37.122
PZ3	6	006.37.123

Packing: 10 pieces

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.231
PZ2	3.5-5	006.37.232
PZ3	6	006.37.233

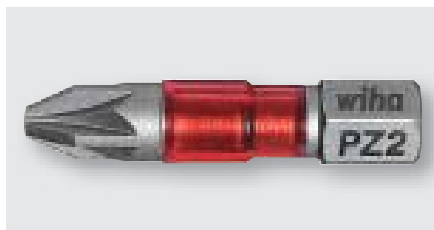
Packing: 10 pieces

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.221
PZ2	3.5-5	006.37.222
PZ3	6	006.37.223

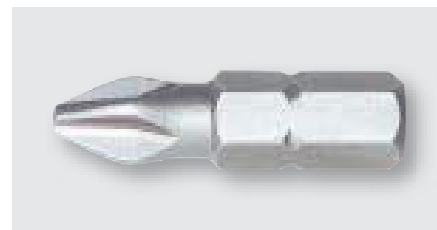
PZ torsion bits with diamond coating

Suitable for screw fixing of fittings,
with wear and tear free diamond
particles, long life time,
perfect grip on the screw

Length: 25 mm
Drive: 1/4"

Wiha MaxxTor PZ two component bit

With extended grip zone for simplified
bit change, plastic coating for
increased safety at work
Bit: Tool steel, hardened
Coating: impact-resistant plastic
Standard: DIN 3126, ISO 1173
Length: 29 mm
Drive: 1/4"

Häfele PH bits

With Häfele lettering,
For sheet metal screws

Length: 25 mm,
Drive: 1/4"

Packing: 10 pieces

Size	Screw Ø mm	Cat. No.
PZ1	3	006.37.241
PC2	3.5-5	006.37.242

Packing: 5 pieces

Size	Cat. No.
PZ1	006.37.640
PC2	006.37.641
PZ3	006.37.642

Packing: 10 pieces

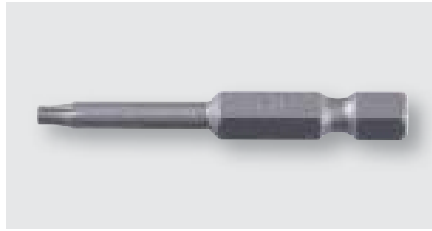
Size	Screw Ø mm	Cat. No.
PH1	2.2-2.9	006.37.101
PH2	3.5-4.8	006.37.102
PH3	5.5-6.3	006.37.103

Häfele TS (T-star drive) bits

With Häfele lettering
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
TS10	006.37.141
TS15	006.37.142
TS20	006.37.143
TS25	006.37.144
TS30	006.37.145
TS40	006.37.146

Häfele TS (T-star drive) bits, long

With Häfele lettering
Length: 50 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
TS10	006.37.171
TS15	006.37.172
TS20	006.37.173
TS25	006.37.174
TS30	006.37.175

TS (T-star drive) torsion bit

Extra hard,
for use when drilling into soft material,
long life time, low wear
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
TS10	006.37.261
TS15	006.37.262
TS20	006.37.263
TS25	006.37.264
TS30	006.37.265
TS40	006.37.266

TS (T-star drive) drill bits with centre pin

Suitable for Spax screws with
T-star drive
Length: 25 mm
Drive: 1/4"

Packing: 12 pieces

Size	Cat. No.
TS10	006.37.381
TS15	006.37.382
TS20	006.37.383
TS25	006.37.384
TS30	006.37.385

TS (T-star drive) bits, conical shape

Firm grip in the screw drive
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
TS10	006.37.161
TS15	006.37.162
TS20	006.37.163
TS25	006.37.164



Wiha MaxxTor TS (T-star drive) two component bit



With extended grip zone for simplified bit change, plastic coating for increased safety at work
Bit: Tool steel, hardened
Coating: Impact-resistant plastic
Standard: DIN 3126, ISO 1173
Length: 29 mm
Drive: 1/4"

Packing: 5 pieces

Size	Cat. No.
TS10	006.37.570
TS15	006.37.571
TS20	006.37.572
TS25	006.37.573
TS30	006.37.574
TS40	006.37.575

Universal bit holder with permanent magnet and retaining ring

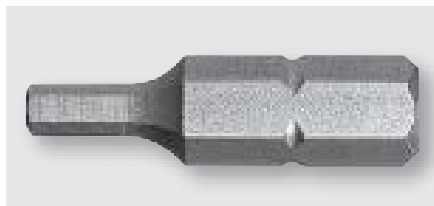


With permanent magnet and retaining ring
Chuck: 1/4"
Drive: 1/4"

Packing: 1 or 100 piece

Length mm	Cat. No.
75	006.40.310

Standard SW (hexagon socket) bit



Material: Chrome vanadium steel, hardened
Standard: DIN 3126, ISO 1173
Length: 25 mm
Drive: 1/4"

Packing: 10 pieces

Size	Cat. No.
SW3	006.37.650
SW4	006.37.651
SW5	006.37.652

Universal bit holder with permanent magnet and quick release chuck

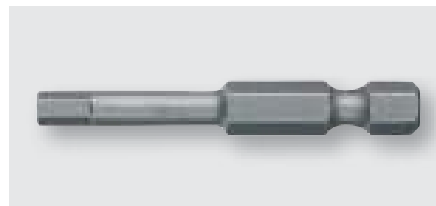


With permanent magnet and quick release chuck
Chuck: 1/4"
Drive: 1/4"

Packing: 1 piece

Length mm	Cat. No.
60	006.37.250

SW (hexagon socket) bit, long



Specially for difficult to access connections, such as Clamex connectors, chrome vanadium steel, hardened
Standard: DIN 3126, ISO 1173
Length: 50 mm
Drive: 1/4"

Packing: 5 pieces

Size	Cat. No.
SW4	006.37.630
SW5	006.37.662

Wiha CentroFix universal bit holder with permanent magnet and quick release chuck



with permanent magnet and quick release chuck, for securely holding bits with zero clearance, optimized for the use of long bits and drill bits, metal coated
Drive: 1/4"

Packing: 1 piece

Length mm	Cat. No.
60	006.37.255

Bit holder with 2 socket keys and 2 chucks



Socket key, SW10



Socket key, SW13



Chuck 1



Chuck 2

One tool, four applications!
Socket key 10 and 13 mm and 2 chucks,
bits not supplied

Packing: 1 piece

Material	Finish	Cat. No.
Steel	Nickel plated	006.40.330

Offset screwdriver



Screw down to the last angle,
magnetic,
for all 1/4" bits and countersinker

Packing: 1 piece

	Cat. No.
Offset screwdriver	006.40.805

Torque wrench



For controlled tightening of screws with pre-set torque, e.g. glass door hinges, shower door hinges, sliding door fittings, with pistol grip for transmission of high torques, with non-slip finish to prevent hands from slipping even if wet or greasy, with overload protection (release torque greater than remove initial space), with adjustable torque 3.2–16 Nm, measuring precision $\pm 6\%$, with magnetic holder for 1/4" bits, screwdriver releases clearly audible and perceptible and is immediately ready-for-use again

- Supplied with:**
- 1 torque wrench
 - 1 blade 8 mm with magnetic chuck 1/4"

Packing: 1 piece

	Cat. No.
Torque wrench with pistol grip	006.40.437

Wiha 26one Screwdriver with integrated bit magazine



With ergonomic multi-component handle with large volume for powerful working, with bit holder and integrated bit magazine in handle, slim design for a wide range of uses, e.g. in blind holes, 26 tools in one

- Supplied with:**
- 1 screwdriver
 - 1 double bit each of:
 - > TS10, TS15, TS20, TS25, TS27 + TS30
 - > PH1+ PH2, PH0 + PH3
 - > PZ1 + PZ2
 - > Flat blade
 - > Square socket 1.0 + 2.0
 - > Hexagon socket 3 + 4, 5 + 6, 3/32 + 7/64, 1/8 + 9/64, 5/32 + 3/16

Packing: 1 piece

	Cat. No.
Magazine bit holder	006.28.396



WORKSHOP EQUIPMENT

CONTENTS

WORKSHOP EQUIPMENT

Accessories for workshop and installation



Cable reels



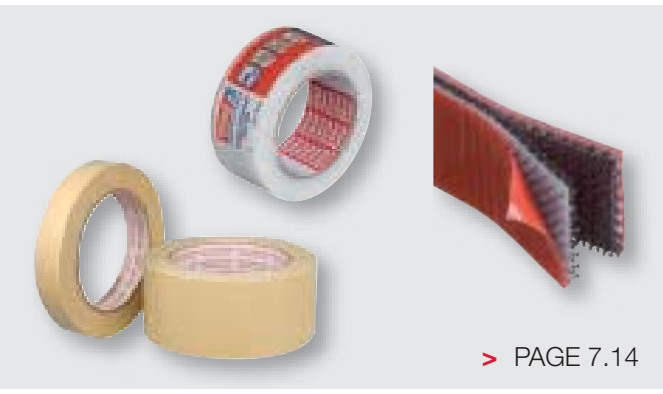
Hanging workshop energy cubes, lights



Packaging material



Adhesive tapes, quick release cable ties, Velcro tapes



Transport aids



Mounting device for door frames

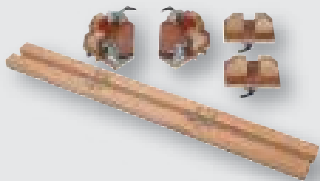


- > Can be attached to any trestle
- > Space-saving
- > Assembled quickly

With this mounting device, the door frames can be assembled quickly and without damage

Time saving of up to 30%

The clamping device ensures more precise and more comfortable installation, suitable for all door frames and linings



→ Tool tray



Supplied with:

Consisting of:
2 pieces of Multiplex guide rails
120 cm
2 pieces of clamps
left/right
2 pieces of holders
left/right
Please order trestle separately

Packing: 1 set

	Cat. No.
Set	008.07.351

Suitable for guide rail,
provides storage space for tools
and fittings, made of multiplex

Packing: 1 piece

Dim. cm	Cat. No.
24 x 20 x 350	008.07.359

Trestle



Feet individually
adjustable up to
860 mm, space-
saving collapsible,
with quick tightening
facility, non-slip
supporting surface,
with carrying handle
Width: 1,000 mm



Packing: 1 or 2 pieces

Load bearing capacity kg	Cat. No.
≤120	008.07.311

Trestle



Robust, stable square tube,
space-saving collapsible,
supporting surface 680 mm, folding
locking hook prevents lateral sliding
of the worktop (max. 640 mm wide)
height adjustment: 820–1300 mm,
using easy-to-operate safety
index bolts
Load bearing capacity: up to 160 kg

Packing: 1 piece

Load bearing capacity kg	Cat. No.
Up to 160	008.07.310

Dust stop zip door



Blocks out the dirt!

Suitable for the majority of doorways,
captures dust in the work area,
extra strong (100 µm) building foil 2.20 x 1.2 m,
self-adhesive zipper enables a flexible, resealable entrance and exit,
strong adhesive tape for a perfect seal of the passage and a low-residue
removal,
supplied in re-sealable plastic bag

Packing: 1 set

	Cat. No.
Dust stop zip door	008.55.020



Door and panel lifter with load bearing capacity up to 250 kg



Robust design, leverage 1: 3
Material: Rubber coated steel plates
Packing: 1 piece

Load bearing capacity kg	Cat. No.
≤250	007.90.060

Door and panel lifter with load bearing capacity up to 120 kg



Fits into any rule pocket

Material: Highly tempered polyamide
Weight: 120 g
Packing: 1 piece

Load bearing capacity kg	Cat. No.
≤120	007.90.061

Aluminium safety ladder



Platform height: 0.76 m,
4 steps, load bearing capacity
up to 150 kg
Transport dim. (H x W x D):
1.45 x 0.43 x 0.13 m

Packing: 1 piece

Weight kg	Cat. No.
3.7	008.70.084

Double-sided ladder



Aluminium
Height: 0.8 m
2x 3 profiled, wide steps,
Load bearing capacity up to 150 kg
Transport dim. (H x W x D):
0.9 x 0.4 x 0.16 m

Packing: 1 piece

Weight kg	Cat. No.
4	008.70.024

Telescopic ladder



Aluminium
4x 4 rungs,
with safety locking hooks
Length: Extension ladder 4.20 m
Height: Safety ladder 2.10 m
Transport dim. (H x W x D):
1.3 x 0.6 x 0.2 m
Load bearing capacity up to 150 kg

Packing: 1 piece

Weight kg	Cat. No.
14.8	008.70.072



Häfele is your partner for successful projects.
As well as the large selection of furniture fittings
and architectural hardware in the “Complete
Häfele” catalogues, the “Compact” appears
every quarter.

The “Compact” provides you with attractive
opportunities for completing your equipment
with power tools and PPE equipment.



Brennenstuhl professionalLine Cable reel IP44



Professional cable reel with rollover protection, stability provided on all four sides for perfect cable guidance, large, stable folding rotary handle for effortless winding and unwinding, robust carrying handles and plug storage box on all four sides, housing and reel material made from impact resistant plastic rubber combination, cable made from extremely robust and oil resistant rubber neoprene, with 4 Schuko safety sockets, splash proof, with self-closing covers, with robust Schuko safety plug, safety cut-out, control light and ready indicator in socket insert

Cable colour: black
Rubber neoprene cable H07RN-F 3G 1.5

Packing: 1 piece

Cable length m	Cat. No.
33	008.74.047
50	008.74.048

Brennenstuhl professionalLine Cable reel IP44, with power block



Extremely suitable for use on the scaffolding or roof, professional cable reel with rollover protection, with mobile power block and four additional sockets for easy use, stability provided on all four sides for perfect cable guidance, large, stable folding rotary handle for effortless winding and unwinding, robust carrying handles and plug storage box on all four sides, housing and reel material made from impact resistant plastic rubber combination, cable made from extremely robust and oil resistant rubber neoprene, with 4 Schuko safety sockets, splash proof, with self-closing covers, with robust Schuko safety plug, safety cut-out, control light and ready indicator in socket insert

Cable colour: black
Rubber neoprene cable H07RN-F 3G 1.5

Packing: 1 piece

Cable length m	Cat. No.
33 + 5 m lead	008.74.049

Brennenstuhl professionalLine Cable reel IP44, with innovative carrying handle



Ideal for use on the building site and outdoors, IP 44, innovative carrying handle for perfect cable guidance, swings to both sides and allows comfortable carrying and suspending, large, stable folding rotary handle for effortless winding and unwinding, reel body made from sheet steel, front and rear side with protective insulation, with 4 Schuko safety sockets, splash proof, with self-closing covers, with robust Schuko safety plug, safety cut-out, and optical ready indicator in socket insert, insensitive to petrol and oil

Cable colour: black
Rubber neoprene cable H07RN-F 3G 1.5

Packing: 1 piece

Cable length m	Cat. No.
25	008.74.050

Brennenstuhl Cable reel IP44



Ideal for heavy duty use on buildings sites, in workshops and industrial areas, outdoor use, IP44, 3 splash-proof Schuko safety sockets, with self-closing covers, safety cut-out, control light indicates overheating or overloading, stable steel tube frame with ergonomic handle, reel housing made of rustproof sheet steel galvanized

Cable colour: orange
Cable AT-NO7V3V3-F 3G1.5

Standard: Cable tested to difficult building site conditions in accordance with VDE 0100 part 704

Packing: 1 piece

Cable length m	Diameter mm	Cat. No.
25	240	008.74.042
40	290	008.74.043

Brennenstuhl Cable reel IP44, with convenient rotary contact



Socket element fixed,
control light indicates overheating or overloading
neoprene cable H07RN-F 3G1.5

The convenient rotary contact prevents twisting of the inserted cable when unwinding.

Packing: 1 piece

Cable length m	Diameter mm	Cat. No.
40	290	008.74.046

**Brennenstuhl professionalLine
Extension cable IP44**



Extremely robust and oil resistant,
Schuko safety plug and safety slip
clutch with sealing cap, bending
protection and cable seal,
UV resistant
Cable colour: black
rubber neoprene cable
H07RN-F 3G1.5

Packing: 1 piece

Length m	Cat. No.
10	008.74.039
40	008.74.040

**Brennenstuhl professionalLine
Extension cable IP54**



Mobile power block with 4 sockets,
splash proof sockets in 45° position
with self-closing hinged covers,
with optical ready indicator, folding
metal hooks and strap for additional
fixing options
Cable colour: black
rubber neoprene cable
H07RN-F 3G1.5

Packing: 1 piece

Length m	Cat. No.
15	008.74.037

Extension cable



For indoor use
cable H05 VV-F 3G1.5

Packing: 1 piece

Length m	Cat. No.
10	008.74.035

Hanging workshop energy cube



With 2x 4 Schuko safety sockets,
with self-closing covers, large tool hook,
3 m stable galvanized steel link chain,
5 m connection lead with Schuko safety plug

Packing: 1 piece

	Cat. No.
Hanging workshop energy cube	008.74.093

Hanging workshop energy cube with compressed air supply, IP44



Power and compressed air for any working height.
3 Schuko safety sockets, 2 one-hand pneumatic couplings,
extensive connectivity in the smallest space, 5 m connection
hose (Ø 6/12 mm), 5 m connection cable, 3 m stable steel
link chain

Packing: 1 piece

	Cat. No.
Hanging workshop energy cube with compressed air supply	008.74.094

Halogen spotlight with stand, ST200 IP44



For outdoor use,
continuously height adjustable from 0.7 to 2 m,
connection lead 5 m,
with Schuko safety plug,
splash proof,
with bulb, degree of protection IP44

Packing: 1 piece

	Cat. No.
Halogen spotlight with tripod	008.75.200
R7S 400W halogen lamp	008.75.914
Other lights	► MT 9.21

Brennenstuhl professionalLine SMD LED spotlight IP54, mobile



For use in indoor and outdoor areas, IP54, extremely efficient SMD LED, low heat generation, no risk of injury, extremely long LED life time (not replaceable), impact resistant, maintenance-free

Folding bracket for free standing or attaching to a tripod, practical cable holder and plug storage box for quickly stowing away excess cable, impact resistant housing and front lens, non-slip rubber feet,

- > 5 m connection lead H07RN-F 3G1.5
- > 2 splash proof sockets with self-closing covers
- > Corresponds to BGI 608
- > On/off switch for light
- > Impact resistance: IK 10
- > Colour temperature: 6800 K

Packing: 1 piece

	Degree of protection	Wattage W	Luminous flux lm	Cat. No.
Lamp efficiency: 94 lm/W	I	50	4700	008.75.206
Lamp efficiency: 91 lm/W	II	80	7250	008.75.207

Brennenstuhl SMD LED spotlight IP54, mobile



For use in indoor and outdoor areas, low heat generation, no risk of injury, extremely long LED life time (not replaceable), impact resistant, maintenance-free, carrying handle with foam grip, spotlight can be swivelled and locked in any position, aluminium alloy housing, surface coated, front lens made from safety glass, sturdy frame,

- > 2 m connection lead H05RN-F 3G1.0
- > LEDs: 28 x 0.6 W
- > On/off switch
- > Colour temperature: 5700 K

Packing: 1 piece

	Wattage W	Luminous flux lm	Cat. No.
Lamp efficiency: 78 lm/W	20	1720	008.75.201
Lamp efficiency: 86 lm/W	30	2350	008.75.202

Other lights ▶ MT 9.21

Brennenstuhl professionalLine IP65 SMD LED battery-operated light



- High-efficiency SMD LEDs,
light emitting duration at front up to 3.5 hrs,
additional SMD LED in light head,
rubberised surface for optimum handling,
bendable retaining foot with powerful magnet,
two additional magnets on the rear
and a hook (can be rotated by 360°),
- > Dustproof and splash proof IP65
 - > On/off switch for front light (100 %, 50 %) and spotlight
 - > Integrated li-ion battery 3.7 V/4.4 Ah
 - > Incl. charging station 100–240 V AC, 50/60 Hz power supply unit and USB charging cable
 - > Luminous flux: 500 lm/250 lm + spotlight 100 lm
 - > Colour temperature: 6000 K
 - > Light-emitting duration: 4 h (100 %)/8 h (50 %)
 - > Dim. (W x D x H): 52 x 38 x 260 mm

Packing: 1 piece

Voltage V	Cat. No.
3.7	008.75.205

Brennenstuhl LED battery-operated spotlight IP54, mobile



- Housing made from high-quality plastic,
stable, fold-out frame with multiple settings,
light can be stood up, suspended or attached to metal
surfaces with 4 powerful integrated magnets, can also
be swivelled in frame,
the bulbs in the light can not be replaced,
- > On/off switch
 - > Replaceable li-ion battery 7.4 V/7,800 mAh.
Charging time 4.5 h
 - > Incl. high power power supply unit (100–240 V AC,
50/60 Hz, output 1.5 A) for short charging time
and 12 V vehicle charging cable
 - > Luminous flux: 1800 lm
 - > Colour temperature: 6500 K
 - > Light-emitting duration: 3.5 h (100 %)/7 h (50 %)
 - > Lamp efficiency: 90 lm/W
 - > Rechargeable battery: 7.4 V/7,800 mAh

Packing: 1 piece

Voltage V	Cat. No.
7.4	008.75.203

Other lights ► MT 9.21

With integrated overload and deep discharge protection
and battery status indicator, two settings: 100 %
and 50 % light (for longer light emitting duration)
Powerbank function: USB charging connection 2 A for
devices with a USB charging cable such as Smartphones,
MP3 players, tablets etc.

Professional strapping system



For parcels, boxes, sacks, barrels, tubes, machinery, steel parts – even hazardous goods and garbage bales can be secured firmly with textile straps

Supplied with:

- 1 3420 portable tape dispenser
- 1 1019 strap tensioner
- 1 roll of polyester strap, width 16 mm
- 1 pallet wrapping aid with 1,000 pieces of suitable tape clamps

Packing: 1 piece

	Cat. No.
Professional strapping system	007.81.901

→ Strapping tape

→ Tape clamps

Length: 850 m
Weight: 16 kg



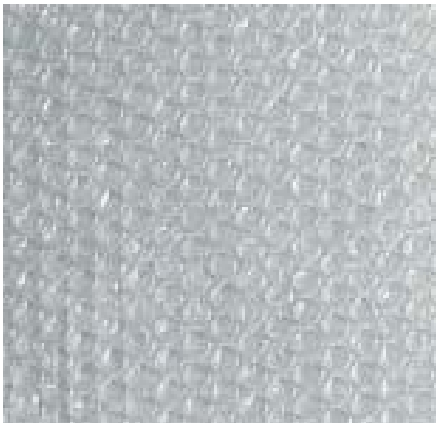
Packing: 2 pieces

Width mm	Cat. No.
16	007.81.913

Packing: 1,000 pieces

	Cat. No.
Tape clamps	007.81.921

Bubble wrap

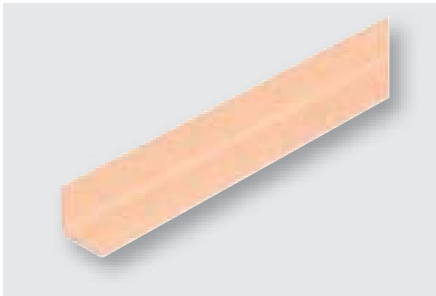


For protecting workpieces and materials during storage and transport, 2-layer foil, recyclable, smooth on one side, PE foil, clear, transparent, bubble Ø 10 mm

Packing: 1 piece

Width mm	Length m	Cat. No.
1,000	50	007.81.054

Edge protection profile, cardboard



For professional goods security, for protecting the edges from damages, increasing the stability of packing pieces and pallets, Side length: 40 mm
Thickness: 4 mm
Length: 1500 mm

Packing: 30 pieces

	Cat. No.
Edge protection profile, cardboard	007.81.122

Stretch wrap



For securing workpieces and materials on pallets during storage and transport, inner side of foil with self-adhesive coating, recyclable, PE foil, clear, transparent, foil thickness 20 µm

Packing: 1 or 6 pieces

Width mm	Length m	Cat. No.
500	300	007.81.063

Dispenser



For conveniently dispensing stretch wrap, suitable for roll width up to 500 mm, with brake tension
Material: metal chrome plated

Packing: 1 piece

	Cat. No.
Dispenser	007.81.002

Stretch wrap



Foil thickness 23 µm, sleeve 38 mm, protrudes on one side by 36 mm

Packing: 6 pieces

Width mm	Length m	Cat. No.
100	150	007.81.064

Mini dispenser



For stretch wrap 007.81.064

Packing: 1 piece

	Cat. No.
Mini dispenser	007.81.004

Packaging tape



Smooth, tear-resistant foil, transparent, printed (imprint: “Quality delivered from your interior design specialist”), or brown not printed
Width: 50 mm, Length: 66 m

Colour	Packing pieces	Cat. No.
PVC		
Brown, not printed	6 or 36	007.81.062
Transparent, red font colour	6 or 36	007.81.061
Polypropylene		
Brown, not printed	6	007.81.125
Transparent, not printed	6	007.81.126

Dispenser



For packaging tapes with roll width up to 50 mm, with adjustable brake, with pressure roller and cut-off blade without packaging tape

Packing: 1 piece

	Cat. No.
Dispenser	007.81.020

Universal masking tape



For marking, packaging and masking, finely creped masking tape, can be removed without residue

Colour: white
Length: 50 m

Packing: 12 pieces

Width mm	Cat. No.
15	007.82.030
19	007.82.031
25	007.82.032

Tesa NOPI 4349 Universal masking tape



For marking, packaging and masking, finely creped masking tape, can be removed without residue

Colour: light beige
Length: 50 m

Width mm	Packing pieces	Cat. No.
19	16	007.82.013
38	8	007.82.012
50	6	007.82.015

Tesakrepp 4317 Masking tape



For lacquer work, finely creped masking tape, can be removed without residue, protection of surfaces when decorating and painting
Width: 25 mm
Length: 50 m

Packing: 12 pieces

Colour	Cat. No.
Beige	007.82.001

Tesafix 64620 Adhesive tape



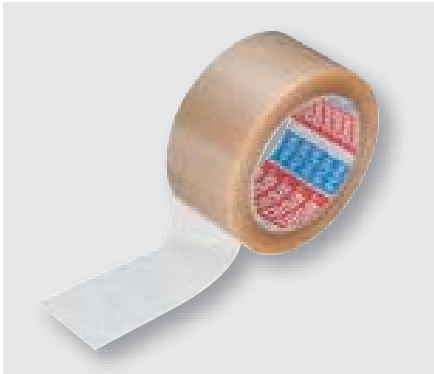
Double-sided adhesive tape,
for permanent bonding

Width: 50 mm
Length: 50 m

Packing: 1 piece

Colour	Cat. No.
Transparent	007.81.133

Tesa 4124 Adhesive tape



Hight elasticity,
**can be removed without residue,
suitable for mitre joint
connections**
Width: 50 mm
Length: 66 m

Packing: 6 pieces

Colour	Cat. No.
Transparent	007.81.132

**Pattex Power-Tape
Cotton adhesive tape**



Cloth reinforced universal tape
for extremely heavy loads,
UV stable, water resistant, inscribable,
can be torn by hand
Width: 50 mm
Length: 25 m

Packing: 1 piece

Colour	Cat. No.
Silver	003.58.011

**Tesa 4939 Double-sided floor
laying tape**



Double-sided adhesive tape,
residue-free up to 14 days after
application
Width: 50 mm
Length: 25 m

Packing: 1 or 6 pieces

Colour	Cat. No.
White	007.81.140

Tesa 4665 Cotton adhesive tape



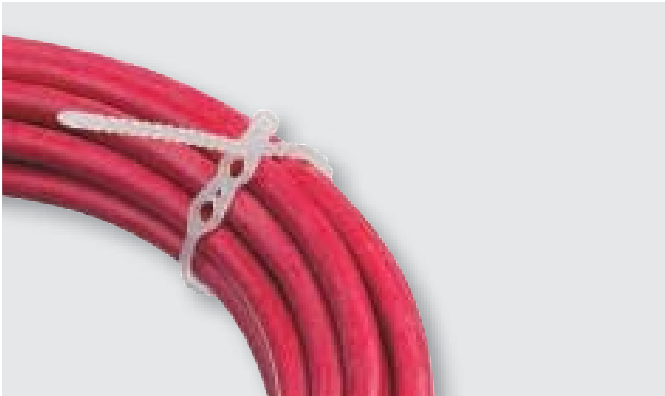
For permanent bonding in indoor
and outdoor areas, for invisible
repairs, UV resistant,
weather resistant for 1 year
Width: 48 mm
Length: 25 m

Packing: 1 piece

Colour	Cat. No.
Transparent	007.82.021



Quick release cable ties

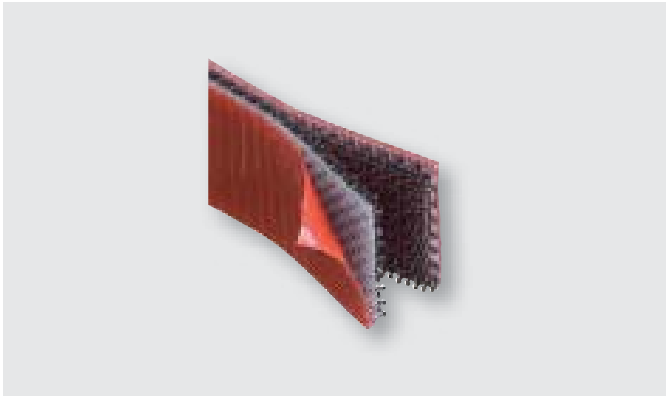


Can be released
Material: plastic
Colour: natural

Packing: 500 pieces

Length mm	Cat. No.
180	079.00.041
240	079.00.042
320	079.00.043

Velcro tape



Push-button principle fastening system, sticks to metal, stone, ceramic, glass, lacquered parts and plastic such as PVC, ABS, PP, largely weather and water resistant, self-adhesive on one side
Colour: tape black
Width: 25 mm
Length: 1 m

Packing: 1 piece

	Cat. No.
Velcro tape	007.81.077

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**Häfele Multifunction oil,
with spraying tube**



Protection against corrosion,
lubricant, rust penetrator, cleaner,
contact spray

Packing: 1 or 12 pieces

Contents ml	Cat. No.
100	007.34.600

Silbergleit® Dry lubricant



For woodworking machines
prevents from sticky stops, guides
and threads as well as gumming
up machine tables, reduces friction,
leaves no residues on the workpieces,
free from silicone, graphite-free

Packing: 1 piece

Contents ml	Cat. No.
1,000	007.34.551

**WD-40 Multifunction oil,
with spraying tube**



Protection against corrosion,
lubricant, rust penetrator, cleaner,
contact spray, non-conductive,
silicone-free, resin-free,
chlorofluorocarbon-free

Packing: 1 piece

Contents ml	Cat. No.
450	007.34.624

Lubricating wax



Area of application: for repairing
jamming, squeaky or warped running
surfaces of doors, drawers and
tambour doors

Packing: 1 piece

Dim. (L x W x H) mm	Cat. No.
80 x 20 x 15	007.34.556

Wood lubricant

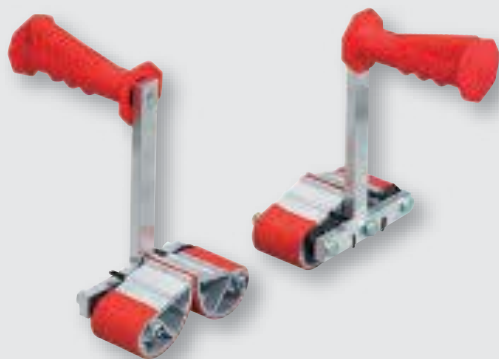


For woodworking machines and
veneer presses, free from silicone,
dirt repelling, non-resinous,
neutral behaviour toward material
and machinery

Packing: 1 or 12 pieces

Contents ml	Cat. No.
1,000	007.34.560

Carrying handle



Ergonomic handles,
self-adjusting and self-gripping clamping system,
aluminium
Load bearing capacity: 100 kg per handle

Packing: 1 pair

Span width mm	Cat. No.
0-80	007.90.232

→ Rubber layer for carrying handle



Rubber layer for **carrying handle**,
for protecting the original rubber layer,
simply pull on and that's it

Packing: 1 set

	Cat. No.
1 set = 8 pieces	007.90.240

Standard board carry handle



For panels and elements up to 40 mm

Packing: 1 pair

	Cat. No.
Standard board carry handle	007.90.205

→ Replacement rubber for
standard board carry handle

Packing: 3 pieces

	Cat. No.
Replacement rubber	007.90.170

Board carry handle, heavy-duty



For panels and elements up to 70 mm
Load bearing capacity: 120 kg per handle

Packing: 1 pair

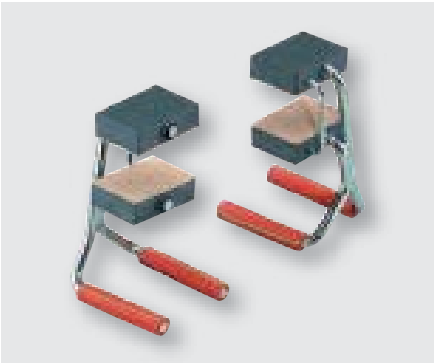
	Cat. No.
Board carry handle, heavy-duty	007.90.250

→ Replacement rubber for
board carry handle, heavy-duty

Packing: 3 pieces

	Cat. No.
Replacement rubber	007.90.161

Board carry handle with clamps



For panels and elements up to 40 mm
Load bearing capacity: 80 kg per handle

Packing: 1 pair

	Cat. No.
Board carry handle with clamps	007.90.456

→ Replacement rubber for
board carry handle with clamps

Packing: 3 pieces

	Cat. No.
Replacement rubber	007.90.170

Gorilla Gripper Board carry handle



Extremely easy transport, even large panels, by one person, the special angular position protects arms, back, wrists and fingers, plastic, with non-slip handle and clamping mechanism, for panel thickness from 0.1 to 24 mm
Load bearing capacity: 55 kg

Packing: 1 piece

	Cat. No.
Gorilla Gripper	007.90.150

Quick-action strap



With lock buckle
Tensile strength: 400 d a N
Break strength: 800 d a N

Packing: 1 piece

Length m	Width mm	Cat. No.
5	25	008.54.679

Furniture lifting strap



Particularly suitable for carrying heavy loads due to its uniform load distribution, continuously adjustable

Packing: 1 piece

Length m	Cat. No.
3.8	008.54.420

Transport strap



With lever ratchet
Tensile strength: 1,000 d a N
Break strength: 2,000 d a N

Packing: 1 piece

Length m	Width mm	Cat. No.
6	35	008.54.651

Transport trolley with drawbar



Non-slip coated,
2 swivel castors, 2 fixed castors,
soft castors with diameter 100 mm,
collapsible and height adjustable drawbar,
integrated carrying handles.
Dimensions (L x W): 800 x 400 mm

Packing: 1 piece

Load bearing capacity kg	Cat. No.
300	007.80.015

Transport trolley with shock protection



Non-slip coated,
with 4 swivel castors (2 with brake),
suitable as a support for all common aluminium boxes,
water repellent
Load bearing capacity: 200 kg

Packing: 1 piece

Dimensions (L x W) mm	Cat. No.
520 x 320	007.80.016
710 x 310	007.80.014

Transport trolley with heavy duty castors with high load bearing capacity



Multiplex board
Dimensions (L x W): 575 x 295 mm

Packing: 1 piece

Load bearing capacity kg	Cat. No.
400	007.80.018

Transport trolley with soft castors



Non-slip coated,
4 soft castors for protecting sensitive floors
Dimensions (L x W): 575 x 295 mm

Packing: 1 piece

Load bearing capacity kg	Cat. No.
250	007.80.013

Painter's fleece cover, 3-layer, with anti-slip foil



Secure grip even on stairs,
reinforced with a highly non-slip foil and PP spunbonded
fabric, extremely absorbent, the fleece is lint-free and
fibre-free, can be brushed and vacuumed, reusable
Dimensions (W x L): 1 m x 50 m

Packing: 1 piece

	Cat. No.
Painter's fleece cover	007.81.181

Furniture blanket



Quality 300 NW
(patchwork blanket, approx. 300 g/m², unhemmed)
Dimensions (W x L): 1.5 m x 2 m

Packing: 1 or 10 pieces

	Cat. No.
Furniture blanket	007.80.101

Painter's fleece cover, 3 layers, with anti-slip foil, puncture-resistant



To protect high-quality floor covering during
installation work
3-layer, puncture resistant,
can be brushed and vacuumed,
reusable, can easily be cut to size,
can be accessed by lift track/car/forklift,
liquid-tight, i.e. protection against leakage
Dimensions (W x L): 1 m x 25 m
Weight: 850 g/m²

Packing: 1 piece

	Cat. No.
Painter's fleece cover	007.81.182

Industrial broom with handle



Saddle wood
Filaments: coconut

Packing: 1 piece

Width mm	Cat. No.
600	008.52.101

Dustpan



Dustpan: Metal black lacquered
Handle: wood

Packing: 1 piece

Width mm	Cat. No.
220	008.52.030

Street broom with handle



Saddle wood
Filaments: Elaston red, smooth,
particularly strong

Packing: 1 piece

Width mm	Cat. No.
500	008.52.301

Industrial hand brush



Wood
Filaments: coconut,
for coarse dirt

Packing: 1 piece

Length mm	Cat. No.
280	008.52.001

Street broom



With inset and scraper for removing
dried soiling, broom and handle
(Ø 22–28 mm) with screw thread
connection, beech wood
Filaments: extra strong elastone
bristles and soft PET insets
Dim. (L x W x H): 400 x 400 x 150 mm

Supplied with:
1 broom with handle

Packing: 1 piece

	Cat. No.
Street broom	008.52.303

Long handle hand brush



Wood
Filaments: coconut,
for coarse dirt

Packing: 1 piece

Length mm	Cat. No.
450	008.52.000



PPE EQUIPMENT AND INDUSTRIAL HYGIENE

CONTENTS

PPE EQUIPMENT AND INDUSTRIAL HYGIENE

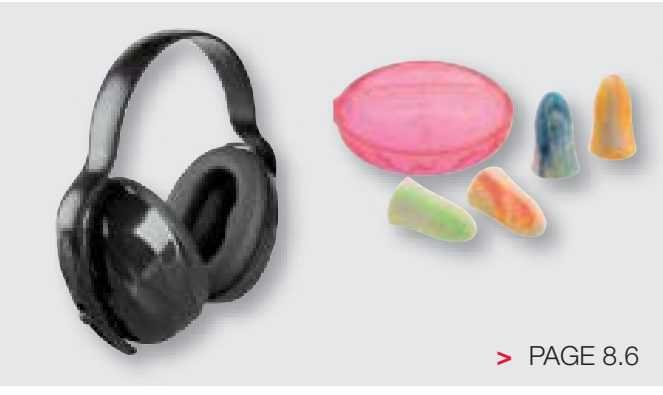
First aid



Respirators



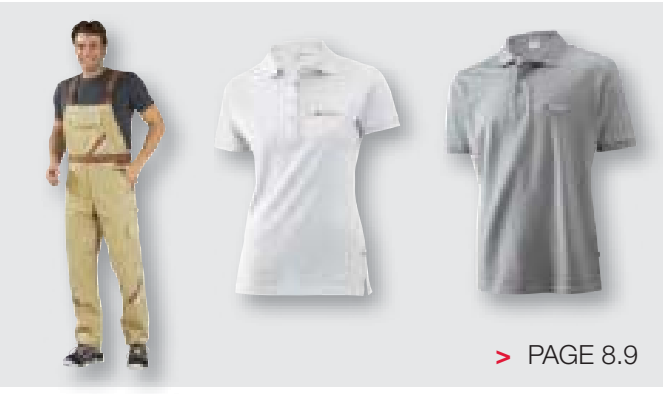
Hearing protection



Eye protection and cleaning



Workwear



Gloves and knee protection



First Aid bag



Coated nylon fabric, orange,
complies with DIN 13187 for motor cycles, fitters, other individuals

Dimensions (W x H): 210 x 140 mm
practical zip bag, lightweight and soft, little space requirement, "First aid" inscription

Supplied with:

- > aluderm® dressings
- > aluderm®-aluplast plaster
- > Adhesive plaster
- > Sterile dressing
- > Sirius foil emergency blanket
- > Protective gloves
- > First aid shears

Packing: 1 piece

	Cat. No.
Bag	007.50.120

First aid kit,
specially for woodworkers



ABS plastic, orange, first aid kit tailored to occupational hazards with focus on woodworking in sawmills and in the furniture industry, for joiners, carpenters and wood turners, for whittlers, for wood restorers, basic equipment in compliance with DIN 13157, also tailored to occupational hazards with focus on woodworking, dressings mainly with aluminium vaporized wound pad, life time of sterile dressings 20 years, with screw tops, can be sealed with anti-tamper seal, "First aid" inscription and colour pictograms

Dim. (L x W x H):
400 x 300 x 150 mm
with wall bracket

Packing: 1 piece

	Cat. No.
First aid kit, specially for woodworkers	007.50.100

Plaster for additional requirements



Supplementary to the first aid cupboard or as self-contained set at work, for household or hobby, plastic box with hinged transparent lid
Dim. (L x W x H): 161 x 118 x 50 mm, frequently used plaster assortment, individually wrapped plaster

Supplied with:

- > Altogether 116 aluderm® aluplast plasters
- > Aluminium vaporized wound pad and BACTEKILLER against inflammation of the wound
- > Finger bandages
- > Fingertip and finger joint bandages
- > Plaster strips
- > Kids multicoloured plaster strips
- > Ready to use silk adhesive plaster strips

Packing: 1 piece

	Cat. No.
Plaster for additional requirements	007.50.130

Finger bandage



Reliable – easy – without adhesion.
"The quick plaster"
extremely elastic!, tears crossways! self-adherent!
Width: 25 mm
Length: 4 m
Packing: 1 piece

	Cat. No.
Finger bandage	007.50.133

Disposable fine-dust masks

Protection level	Explanation
FFP 1	For protection against non-toxic dusts and water and oil based aerosols; up to 4 times of the valid occupational exposure limit
FFP 2	For protection against harmful dusts, fumes and water and oil based aerosols; up to 10 times of the valid occupational exposure limit
FFP 3	For protection against harmful dusts, fumes and water and oil based aerosols, against cancer-causing and radioactive materials, against airborne biological agents belonging to risk group 3 and enzymes; up to 30 times of the valid occupational exposure limit
Specification D	These masks have all passed the optional Dolomite dust clogging test

Disposable fine-dust mas with valve

For particles of toxic, cancer-causing materials up to 30 times the valid occupational exposure limit, with comfortable sealing lip

Packing: 1 or 10 pieces

Degree of protection	Cat. No.
FFP3 D	007.48.281

Disposable fine-dust mask

For particles up to 4 times the valid occupational exposure limit

Packing: 1 or 20 pieces

Degree of protection	Cat. No.
FFP1 D	007.48.250

Disposable fine-dust mask

For particles of hazardous substances up to 10 times the valid occupational exposure limit

Packing: 1 or 20 pieces

Degree of protection	Cat. No.
FFP2 D	007.48.260

Disposable fine-dust mas with valve

For particles of hazardous substances up to 10 times the valid occupational exposure limit, with washable all-round sealing lip, reusable

Packing: 1 or 5 pieces

Degree of protection	Cat. No.
FFP2 D	007.48.291

Respirator, disposable half mask respirator



Protection against gas, mist and dust, mask body made from thermoplastic, skin-friendly TPE, exceptionally large field of vision provided by the flat, horizontally positioned filters allowing focused working, the fold flat filter technology reduces the breathing resistance by more than 50 % with better performance at the same time, resealable pack

Degree of protection: FFA2P3 RD
Standard: EN 405:2001+A1:2009

Packing: 1 piece

	Cat. No.
Disposable half mask respirator	007.48.570

Respirator, reusable half mask respirator



Complete set with filters in practical respirator box, mask body made from thermoplastic, skin-friendly TPE, easy to maintain and clean without tools, with Easylock® filter system – easy, intuitive handling, harness can be fixed (optional)
Standard: tested and approved in compliance with EN 140:1998

Supplied with:
Mask body size M
2 particle filters P3R
2 gas filters A2
Respirator box

Packing: 1 piece

	Cat. No.
Reusable half mask respirator	007.48.550

→ Replacement particle filter



Suitable for use as main filter and/or pre-filter in reusable half mask respirator (optional), special fold flat filter technology reduces the respiratory resistance and increases the filtering capacity of the particle filter

Packing: 2 pieces

	Cat. No.
P2R	007.48.560
P3R	007.48.561

→ Replacement gas filter



Packing: 2 pieces

	Cat. No.
Class A2	007.48.562

Ear plugs



For work situations where constant ear protection is required
SNR value 35 dB
(general noise-reduction value)

Packing: 50 or 200 pairs

	Cat. No.
Ear plugs	007.49.220

Ear plugs with case



For situations where constant ear protection is required
SNR value 35 dB (general noise-reduction value), hygienic

Packing: 2 or 200 pairs

	Cat. No.
Ear plugs with case	007.49.222

Ear plugs with neck cord



For work situations where constant ear protection is required
SNR value 35 dB (general noise-reduction value), hygienic

Packing: 1 or 200 pairs

	Cat. No.
Ear plugs with neck cord	007.49.221

Ear plugs and holder



In practical dispenser at usage location – quick and hygienic

Comfortable PU ear plugs for situations where constant ear protection is required;
easy to insert, soft wearing;
anatomic shape; SNR value 35 dB

Contents: Dispenser: 250 pairs

	Packing pieces	Cat. No.
Holder	1	007.49.300
Ear plugs in dispenser	250	007.49.400

Band style hearing protector



SNR value 23 dB (general noise-reduction value),
the dual material technology of the band reduces noise transmission considerably, with neck cord and 2 replacement ear plugs

Packing: 1 or 8 pieces

	Cat. No.
Band style hearing protector	007.49.202

→ Replacement ear plugs

Packing: 1 or 50 pairs

	Cat. No.
Replacement ear plugs	007.49.203

Ear defenders



→ Hygiene set



High-quality materials,
extremely soft rubber foam and air cushions,
low contact pressure, comfortable to wear

Packing: 1 piece

Replacement soft foam cushions and pads for earmuffs
Contents: 1 pair

Packing: 1 piece

Sound insulating value	Cat. No.	Version	Cat. No.
30 dB	007.49.150	For 30 dB	007.49.000
34 dB	007.49.160	For 34 and 35 dB	007.49.010
35 dB	007.49.170		

Ear defenders



Ideal protection when working with different levels of noise,
Soft-Coat material, recessed grips make putting on and taking off easier,
SNR value 28 dB

Packing: 1 piece

	Cat. No.
Ear defenders	007.49.230

Safety goggles



Conforms to CE EN 166 F,
standard size, anti-fog polycarbonate
lens, frame ends adjustable

Packing: 1 piece

Colour	Cat. No.
Black	007.48.002

Häfele Hand wash paste



For heavy soiling
solvent-free, highly concentrated,
good skin compatibility

Packing: 1 piece

Contents ml	Cat. No.
750	007.59.003

Hand cleaner



For intense soiling through paints,
lacquers, resins, hardeners,
adhesives, silicone,
harmless solvents, pH value 5.6
(equal to the skin's pH balance)

Packing: 1 piece

Contents ml	Cat. No.
1,000	007.59.010

Häfele Universal wipes



Ideal for use on the building site,
removes fresh paint, sealing agents,
adhesives, bitumen, oil, grease and
silicone rapidly and durably,
particularly suitable for cleaning
hands, tools and surfaces,
removes pencil marks on
coated surfaces

Packing: 1 piece

Contents	Cat. No.
80 wipes	007.59.201

Paper towels



White,
2-layer, ZZ fold
Dimensions (W x H): 230 x 250 mm

Supplied with:
15 packs of 250 sheets

Packing: 1 pack

	Cat. No.
Paper towels	007.59.111



→ Paper towel dispenser

Plastic, white
with fixing material
Dimensions (W x D x H):
300 x 136 x 290 mm

Packing: 1 piece

	Cat. No.
Paper towel dispenser	007.59.100

Workwear

Workwear, attractive outfit,
durable workmanship

Body height	Chest	Waist	Ordering sizes	
171	92	80	46	S
174	96	84	48	M
177	100	88	50	M
180	104	92	52	L
182	108	98	54	L
184	112	102	56	XL
186	116	108	58	XL
187	120	112	60	XXL

Dungarees



Bib pocket,
clippy quick-action clasp,
elasticated straps,
waistband adjustable,
hip size adjustable,
2 inside pouches,
1 cargo leg pocket, 2 back pockets,
double rule pocket, knee pockets
for knee pads

40 % cotton , 60 % polyester
Sand/brown

Packing: 1 piece

Size	Cat. No.
46	007.45.031
48	007.45.032
50	007.45.033
52	007.45.034
54	007.45.035
56	007.45.036
58	007.45.037
60	007.45.038

Dungarees with name or company logo

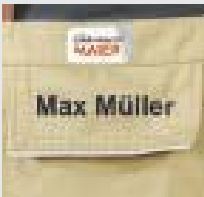


Like dungarees,
please specify size, name or company logo
(as file with RAL, HKS, etc. colour specification)

Packing: 1 piece

Size	Cat. No.
46-60	007.45.048

Dungarees with name and company logo



Like dungarees,
please specify size, name and company logo
(as file with RAL, HKS, etc. colour specification)

Packing: 1 piece

Size	Cat. No.
46-60	007.45.049

Waistband trousers



With elastic waistband,
2 inside pouches,
1 cargo leg pocket, 2 back pockets,
double rule pocket, knee pockets
for knee pads,
40 % cotton , 60 % polyester
sand/brown

Packing: 1 piece

Size	Cat. No.
46	007.45.011
48	007.45.012
50	007.45.013
52	007.45.014
54	007.45.015
56	007.45.016
58	007.45.017
60	007.45.018

Bermuda shorts



With elastic waistband,
reinforced back pockets,
1 cargo leg pocket,
double rule pocket,
40 % cotton, 60 % polyester
sand/brown

For hot days!

Packing: 1 piece

Size	Cat. No.
S	007.45.001
M	007.45.002
L	007.45.004
XL	007.45.006
XXL	007.45.008

Apron



With chest pocket,
35 % cotton , 65 % polyester,
260 g/m²
sand/brown

Packing: 1 piece

	Cat. No.
Apron	007.45.310

Knee pads



For waistband trousers and dungarees

Packing: 1 or 2 pieces

	Cat. No.
Knee pads for use with work trousers	007.45.029

Blouson jacket



2 chest pockets, pocket for mobile phone, 2-fold action back, waistband adjustable, arm cuffs adjustable
40 % cotton , 60 % polyester
sand/brown

Packing: 1 piece

Size	Cat. No.
46	007.45.051
48	007.45.052
50	007.45.053
52	007.45.054
54	007.45.055
56	007.45.056
58	007.45.057
60	007.45.058

Blouson jacket with name and company logo



Like blouson jacket,
please specify size, name and
company logo (as file with RAL, HKS,
etc. colour specification)

Packing: 1 piece

Size	Cat. No.
44-62	007.45.069

Blouson jacket with name or company logo



Like blouson jacket
please specify size, name or company
logo (as file with RAL, HKS, etc.
colour specification)

Packing: 1 piece

Size	Cat. No.
44-62	007.45.068

Fleece jacket



With integrated insulation against cold
Windproof and water-repellent
Shell: Fleece 100% polyester
Lining: 100% Polyester
camel/marine

Packing: 1 piece

Size	Cat. No.
S	007.45.090
M	007.45.091
L	007.45.092
XL	007.45.093
XXL	007.45.094

Winter jacket



Seam-sealed,
fleece collar,
with hood in collar,
reflective piping on the shoulders
and pocket flaps,
cordura reinforced crook of arm
patch pocket for mobile phone, right,
2 lateral slit pockets,
2 chest pockets with flap and push-
button closing, inside pocket with
Velcro fastening, inner lining tufted,

concealed front zip,
knitted sleeve cuffs and waistband
khaki/black

Packing: 1 piece

Size	Cat. No.
S	007.45.080
M	007.45.081
L	007.45.082
XL	007.45.083
XXL	007.45.084

Dungarees



With 2 large side pockets, with 2 large back flap pockets, 1 rule pocket with pencil pockets on the right, leg pocket and pocket for mobile phone on the left, large flap pocket with pencil pockets and flap, pre-formed knee pad pockets, white contrasting tabs for reinforcing the pocket corners, reflective piping, strong suspender buckles, stretchable lateral wedges
Twill 65% cotton, 35% polyester (300 g/m²) beige/black

Packing: 1 piece

Size	Cat. No.
46	007.45.211
48	007.45.212
50	007.45.213
52	007.45.214
54	007.45.215
56	007.45.216
58	007.45.217
60	007.45.218

Waistband trousers



With 2 large back flap pockets, with 2 large side pockets, 1 rule pocket with pencil pocket on the right, leg pocket and pocket for mobile phone on the left, with reinforced pocket corners, reflective piping, with pre-formed knee pad pockets

Twill 65% cotton, 35% polyester (300 g/m²) beige/black

Packing: 1 piece

Size	Cat. No.
46	007.45.162
48	007.45.163
50	007.45.164
52	007.45.165
54	007.45.166
56	007.45.167
58	007.45.168
60	007.45.169

Bermuda shorts



With 2 large back flap pockets, with 2 large side pockets, 1 rule pocket with pencil pocket on the right, leg pocket and pocket for mobile phone on the left, with reinforced pocket corners and reflective piping

Twill 65% cotton, 35% polyester (300 g/m²) beige/black

Packing: 1 piece

Size	Cat. No.
46	007.45.170
48	007.45.171
50	007.45.172
52	007.45.173
54	007.45.174
56	007.45.175
58	007.45.176
60	007.45.177

Winter Softshell jacket



Breathable, windproof and waterproof (10,000 mm water column), the elastic material provides optimum movement of freedom, with waterproof zip and reflective piping, with 2 side pockets, 1 pocket for mobile phone and 1 inside pocket, with detachable hood with drawcord adjustment, with waistband adjustment

96 % polyester, 4% elastane (380 g/m²)

beige/black

Packing: 1 piece

Size	Cat. No.
S	007.45.141
M	007.45.142
L	007.45.143
XL	007.45.144
XXL	007.45.145

Work jacket



With 2 inside pockets, with 2 large side pockets with zip, with 2 chest flap pockets with Velcro fastening, with reinforced pocket corners, concealed front zip and reflective piping, with drawcord adjustment on waist and arm cuffs

Twill 65% cotton, 35% polyester (300 g/m²)

beige/black

Packing: 1 piece

Size	Cat. No.
S	007.45.231
M	007.45.232
L	007.45.233
XL	007.45.234
XXL	007.45.235

T-Shirt



With halter neck,
with double-layered shoulder yoke
for high wear resistance, with double
seam on arm hole, suitable for dryer
use, washable up to 60°C
100% cotton (180 g/m²)
black

Packing: 1 piece

Size	Cat. No.
S	007.44.281
M	007.44.282
L	007.44.283
XL	007.44.284
XXL	007.44.285

Sweatshirt



with front zip,
with elastic rib cuffs,
with practical double seam
processing
70% cotton, 30% polyester
(300 g/m²)
titanium grey

Packing: 1 piece

Size	Cat. No.
S	007.45.251
M	007.45.252
L	007.45.253
XL	007.45.254
XXL	007.45.255

Sweatshirt



Arm and hem cuffs with elastane,
thick roughened lining
Shell: 100% cotton
Lining: 80% cotton,
20% polyester
(total: 280 g/m²)
steel grey

Packing: 1 piece

Size	Cat. No.
S	007.44.271
M	007.44.272
L	007.44.273
XL	007.44.274
XXL	007.44.275

Häfele Polo shirt



Halter neck and double bar-tacked side slits
100% combed cotton pique
Packing: 1 piece

Size	Cat. No.
White	
S	007.44.055
M	007.44.056
L	007.44.057
XL	007.44.058
XXL	007.44.059
Titanium coloured	
S	007.44.060
M	007.44.061
L	007.44.062
XL	007.44.063
XXL	007.44.064

Safety shoes S3



For long-term use on hard running surfaces, outstanding mechanical resistance (abrasion, tear-resistance, perforation), comfortable to wear due to extra-soft texture, three-dimensional, micro-ventilated textile inner lining for good breathing activity and better ventilation, lightweight and flexible Germax® ZERO sole, ideal shock absorber in the heel for maximum wearing comfort

Uppers: Oiled, water-repellent 2.2 mm thick leather with textile inserts

Toecap: Made from lightweight polycarbonate, sole made from extruded polyurethane in double thickness

Standard: EN 20345:2011

Grade: S3

1,128 g (per pair with size 42)

Packing: 1 pair

Size	Cat. No.
41	007.47.930
42	007.47.931
43	007.47.932
44	007.47.933
45	007.47.934
46	007.47.935

Safety boots S3



For long-term use on hard running surfaces, ankle-high, outstanding mechanical resistance (abrasion, tear-resistance, perforation), comfortable to wear due to extra-soft texture, three-dimensional, micro-ventilated textile inner lining for good breathing activity and better ventilation, lightweight and flexible Germax® ZERO sole, ideal shock absorber in the heel for maximum wearing comfort

Uppers: Oiled, water-repellent 2.2 mm thick leather with textile inserts

Toecap: Made from lightweight polycarbonate, sole made from extruded polyurethane in double thickness

Standard: EN 20345:2011

Grade: S3

1,260 g (per pair with size 42)

Packing: 1 pair

Size	Cat. No.
41	007.47.940
42	007.47.941
43	007.47.942
44	007.47.943
45	007.47.944
46	007.47.945

Work socks



80% wool, 10% polyacrylic, 10% polyamide mottled grey

Packing: 1 pair

Size	Cat. No.
39-42	007.46.980
43-46	007.46.981

Disposable overall



Conform to CE Cat III microporous film membrane, elasticated waist and cuffs on arms and legs, three-piece leg gusset, double zip flap, breathable, antistatic, three-piece hood

100 % polypropylene
white

Packing: 1 piece

Size	Cat. No.
M	007.45.301
L	007.45.302
XL	007.45.303
XXL	007.45.304
XXXL	007.45.305

Shoe cover



For “clean” appearance when visiting the customer
100 % polyethylene
white

Packing: 10 pair

Size	Cat. No.
Standard size	007.47.419

Universal gloves



Split cowhide, grey, lined, conform to EN 388 CAT II

Packing: 1 or 10 pairs

Size	Cat. No.
10	007.51.001

Knitted winter gloves



Comfortable, warm, with maximum grip,
yellow PA glove with black nitrile coating

Packing: 1 or 10 pairs

Size	Cat. No.
10	007.51.040

Häfele Nappa leather glove



High-quality nappa leather glove, with Velcro fastening at the wrist

Packing: 1 or 10 pairs

Size	Cat. No.
10	007.51.005

Nitrile glove

Nitrile, yellow,
with knitted wrist,
back of hand partially coated,
tested to EN 388 Cat II mechanical
hazards

Test results:

Abrasion resistance: 3 of max. 4

Blade cut resistance: 1 of max. 5

Tear resistance: 1 of max. 4

Puncture resistance: 1 of max. 4

Packing: 1 or 10 pairs

Size	Cat. No.
9	007.51.030

Polyamide, fine-knit glove

100 % polyamide ,
with polyurethane coating,
dark grey,
seamless, excellent fit, breathable,
in compliance with EN 388

Packing: 1 or 10 pairs

Size	Cat. No.
9	007.51.087
10	007.51.088
11	007.51.089

Chemical resistant gloves

Uppers: Chloroprene rubber
Lining: Dense flocked cotton,
black,
resistant to many alkali, acids, oils
and greases,
with rough palm finish for secure grip
Standard: EN 388 CAT II,
EN 374 CAT III
Length: 30 cm
Thickness: 0.7 mm

Packing: 1 pair

Size	Cat. No.
9	007.64.528

Latex disposable gloves

Latex,
transparent,
powder free, wearable on both sides,
food safe

Packing: 1 box (100 pieces)

Size	Cat. No.
M	007.64.152
L	007.64.153
XL	007.64.154

Nitrile disposable gloves

Nitrile,
blue,
powder free, wearable on both sides,
food safe

Packing: 1 box (100 pieces)

Size	Cat. No.
M	007.64.142
L	007.64.143
XL	007.64.144

**Leather gloves,
open fingertips****Tactile acuity remains!**

Palm of hand: high-quality nappa
leather, Back of hand: textile
Performance levels: 2-0-3-1
in compliance with EN 388

Packing: 1 or 10 pairs

Size	Cat. No.
9	007.51.007

Knee protectors



For comfortable working,
with super-gel knee pad inserts,
with adjustable Velcro tape straps

Packing: 1 pair

	Cat. No.
Knee protectors	007.46.502

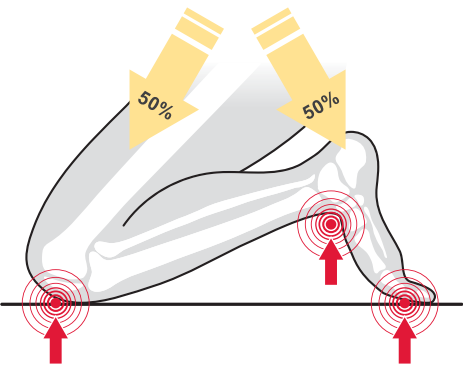
Kneefree® Kneepads



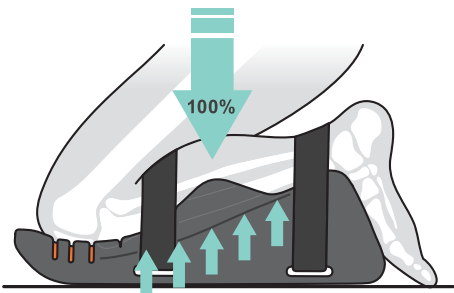
Relieves strain on knees,
tarsals and toes.
The ergonomic design disperses
the pressure onto the shinbone and
therefore protects the knees during
keeling work positions.

Weight: 400 g (pair)

Body weight distribution



Conventional kneepad:
On knees, ankles and toes



Kneefree® kneepad:
100 % on shin

Packing: 1 piece

	Cat. No.
Knee protectors	007.46.503



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013.42.949	1.30
O₁₄	
014.70.520	1.8
014.70.542	1.8
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014.70.962	1.8
014.70.964	1.8
014.71.080	1.8
014.71.101	1.8
014.71.128	1.8
014.71.139	1.8
014.71.148	1.8
014.71.156	1.8
014.71.165	1.8
014.72.024	1.16
014.72.029	1.16
014.72.031	1.16
014.72.044	1.16
014.72.049	1.16
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014.72.075	1.16	015.31.595	1.4	015.35.637	1.7	015.42.196	1.6	015.46.218	1.14
014.72.076	1.16	015.31.602	1.4	015.35.646	1.7	015.42.197	1.6	015.46.393	1.15
014.72.086	1.16	015.31.620	1.4	015.35.655	1.7	015.42.198	1.6	015.46.394	1.15
014.72.089	1.16	015.31.639	1.4	015.35.824	1.7	015.42.347	1.6	015.46.423	1.15
014.72.091	1.16	015.31.648	1.4	015.35.833	1.7	015.42.356	1.6	015.46.424	1.15
014.72.093	1.16	015.31.657	1.4	015.35.842	1.7	015.42.365	1.6	015.46.425	1.15
014.72.095	1.16	015.31.675	1.4	015.39.537	1.7	015.42.374	1.6	015.46.426	1.15
014.72.139	1.16	015.31.684	1.4	015.39.546	1.7	015.42.383	1.6	015.46.428	1.15
014.72.141	1.16	015.31.693	1.4	015.39.548	1.7	015.42.392	1.6	015.46.430	1.15
014.72.143	1.16	015.31.700	1.4	015.39.555	1.7	015.42.418	1.6	015.46.453	1.15
014.72.145	1.16	015.31.719	1.4	015.39.573	1.7	015.42.436	1.6	015.46.454	1.15
014.72.147	1.16	015.31.728	1.4	015.39.635	1.7	015.42.454	1.6	015.46.455	1.15
014.72.149	1.16	015.31.808	1.4	015.39.644	1.7	015.42.472	1.6	015.46.483	1.15
014.72.151	1.16	015.31.824	1.4	015.39.648	1.7	015.46.004	1.14	015.46.484	1.15
014.82.053	1.16	015.31.826	1.4	015.39.653	1.7	015.46.054	1.14	015.46.486	1.15
014.82.054	1.16	015.31.835	1.4	015.39.671	1.7	015.46.056	1.14	015.46.488	1.15
014.82.096	1.16	015.31.844	1.4	015.39.680	1.7	015.46.059	1.14	015.46.489	1.15
014.82.098	1.16	015.31.853	1.4	015.39.831	1.7	015.46.061	1.14	015.46.490	1.15
014.82.100	1.16	015.31.862	1.4	015.39.838	1.7	015.46.065	1.14	015.46.491	1.15
015		015.31.871	1.4	015.39.840	1.7	015.46.081	1.14	015.46.492	1.15
		015.31.880	1.4	015.39.859	1.7	015.46.084	1.14	015.46.493	1.15
		015.31.899	1.4	015.39.868	1.7	015.46.086	1.14	015.46.516	1.15
		015.31.906	1.4	015.39.877	1.7	015.46.089	1.14	015.46.518	1.15
		015.31.915	1.4	015.39.886	1.7	015.46.091	1.14	015.46.520	1.15
		015.31.924	1.4	015.39.928	1.7	015.46.095	1.14	015.46.521	1.15
		015.31.933	1.4	015.41.582	1.6	015.46.096	1.14	015.46.522	1.15
		015.31.942	1.4	015.41.877	1.6	015.46.114	1.14	015.46.523	1.15
		015.31.951	1.4	015.41.886	1.6	015.46.116	1.14	015.46.525	1.15
		015.31.960	1.4	015.41.902	1.6	015.46.119	1.14	015.46.527	1.15
015.01.935	1.9	015.31.979	1.4	015.41.920	1.6	015.46.121	1.14	015.46.529	1.15
015.01.944	1.9	015.31.988	1.4	015.41.939	1.6	015.46.126	1.14	015.46.530	1.15
015.01.953	1.9	015.31.997	1.4	015.41.966	1.6	015.46.146	1.14	015.51.542	1.9
015.01.962	1.9	015.32.010	1.4	015.41.984	1.6	015.46.149	1.14	015.51.631	1.9
015.01.971	1.9	015.32.074	1.4	015.42.007	1.6	015.46.151	1.14	015.51.640	1.9
015.01.980	1.9	015.32.083	1.4	015.42.034	1.6	015.46.156	1.14	015.51.659	1.9
015.01.981	1.9	015.32.092	1.4	015.42.043	1.6	015.46.176	1.14	015.51.686	1.9
015.01.982	1.9	015.32.109	1.4	015.42.132	1.6	015.46.179	1.14	015.51.695	1.9
015.01.983	1.9	015.32.118	1.4	015.42.141	1.6	015.46.181	1.14	015.51.837	1.9
015.01.992	1.9	015.32.127	1.4	015.42.150	1.6	015.46.184	1.14	015.51.846	1.9
015.31.255	1.4	015.32.136	1.4	015.42.169	1.6	015.46.188	1.14	015.51.855	1.9
015.31.326	1.7	015.35.253	1.7	015.42.178	1.6	015.46.191	1.14	015.51.873	1.9
015.31.335	1.7	015.35.333	1.7	015.42.187	1.6	015.46.214	1.14	015.51.882	1.9
015.31.344	1.7								
015.31.522	1.4								
015.31.531	1.4								
015.31.540	1.4								
015.31.559	1.4								
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015.31.586	1.4								

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015.52.640	1.16	015.71.900	1.11	015.74.132	1.19	017.31.255	1.5	017.71.811	1.11
015.52.659	1.16	015.71.919	1.11	015.74.154	1.19	017.31.522	1.5	017.71.820	1.11
015.52.677	1.16	015.71.928	1.11	015.74.158	1.19	017.31.531	1.5	017.71.839	1.11
015.52.686	1.16	015.71.937	1.11	015.74.160	1.19	017.31.540	1.5	017.71.848	1.11
015.52.695	1.16	015.71.946	1.11	O₁₆		017.31.559	1.5	017.71.857	1.11
015.52.873	1.16	015.71.955	1.11			017.31.586	1.5	017.71.866	1.11
015.52.882	1.16	015.71.991	1.11			017.31.620	1.5	017.71.884	1.11
015.55.559	1.9	015.72.050	1.11			017.31.639	1.5	017.71.991	1.11
015.55.577	1.9	015.72.078	1.11			017.31.648	1.5	017.91.012	1.12
015.55.586	1.9	015.72.080	1.11			017.31.657	1.5	017.91.013	1.12
015.55.639	1.9	015.72.096	1.11			017.31.660	1.5	017.91.015	1.12
015.55.648	1.9	015.72.112	1.11			017.31.675	1.5	017.91.016	1.12
015.55.657	1.9	015.72.130	1.11			017.31.684	1.5	017.91.019	1.12
015.55.675	1.9	015.73.526	1.19			017.31.693	1.5	017.91.021	1.12
015.55.684	1.9	015.73.535	1.19	016.10.555	1.10	017.31.700	1.5	017.91.023	1.12
015.55.693	1.9	015.73.544	1.19	016.10.573	1.10	017.31.728	1.5	017.91.042	1.12
015.55.844	1.9	015.73.553	1.19	016.10.582	1.10	017.31.826	1.5	017.91.043	1.12
015.55.853	1.9	015.73.571	1.19	016.10.620	1.10	017.31.835	1.5	017.91.045	1.12
015.55.862	1.9	015.73.624	1.19	016.10.630	1.10	017.31.844	1.5	017.91.046	1.12
015.55.871	1.9	015.73.633	1.19	016.10.671	1.10	017.31.853	1.5	017.91.049	1.12
015.55.880	1.9	015.73.642	1.19	016.10.680	1.10	017.31.855	1.5	017.91.051	1.12
015.71.526	1.11	015.73.651	1.19	016.10.699	1.10	017.31.862	1.5	017.91.053	1.12
015.71.535	1.11	015.73.679	1.19	016.10.840	1.10	017.31.871	1.5	017.91.054	1.12
015.71.544	1.11	015.73.688	1.19	016.10.859	1.10	017.31.880	1.5	017.91.073	1.12
015.71.553	1.11	015.73.697	1.19	016.10.868	1.10	017.31.899	1.5	017.91.075	1.12
015.71.571	1.11	015.73.820	1.19	016.10.869	1.10	017.31.906	1.5	017.91.076	1.12
015.71.624	1.11	015.73.839	1.19	016.10.877	1.10	017.31.933	1.5	017.91.079	1.12
015.71.633	1.11	015.73.848	1.19	016.10.886	1.10	017.31.942	1.5	017.91.081	1.12
015.71.642	1.11	015.73.857	1.19	016.16.902	1.17	017.31.951	1.5	017.91.083	1.12
015.71.651	1.11	015.73.866	1.19	016.16.903	1.17	017.31.960	1.5	017.91.084	1.12
015.71.679	1.11	015.73.875	1.19	016.16.904	1.17	017.31.988	1.5	017.91.085	1.12
015.71.688	1.11	015.73.884	1.19	016.16.912	1.17	017.31.997	1.5	017.91.086	1.12
015.71.697	1.11	015.73.928	1.19	016.16.913	1.17	017.32.074	1.5	017.91.106	1.12
015.71.811	1.11	015.73.937	1.19	016.16.914	1.17	017.35.637	1.7	017.91.109	1.12
015.71.820	1.11	015.73.946	1.19	016.16.929	1.17	017.35.824	1.7	017.91.111	1.12
015.71.833	1.11	015.73.955	1.19	016.16.930	1.17	017.41.877	1.6	017.91.113	1.12
015.71.839	1.11	015.73.961	1.19	016.20.555	1.10	017.41.920	1.6	017.91.114	1.12
015.71.848	1.11	015.74.050	1.19	016.20.817	1.10	017.42.141	1.6	017.91.115	1.12
015.71.857	1.11	015.74.078	1.19	016.20.820	1.10	017.42.169	1.6	017.91.116	1.12
015.71.866	1.11	015.74.096	1.19	016.20.840	1.10	017.71.526	1.11	017.91.139	1.12
015.71.875	1.11	015.74.112	1.19	016.20.845	1.10	017.71.624	1.11	017.91.141	1.12
015.71.884	1.11	015.74.130	1.19	016.20.859	1.10	017.71.633	1.11	017.91.143	1.12
				016.20.865	1.10				
				016.20.868	1.10				
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				017.01.944	1.9				
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017.91.146	1.12	017.91.381	1.13	018.00.112	1.20	018.00.423	1.21	018.20.055	1.23
017.91.219	1.13	017.91.382	1.13	018.00.113	1.20	018.00.424	1.21	018.20.056	1.23
017.91.221	1.13	017.91.383	1.13	018.00.114	1.20	018.00.425	1.21	018.20.059	1.23
017.91.223	1.13	017.91.385	1.13	018.00.115	1.20	018.00.426	1.21	018.20.061	1.23
017.91.224	1.13	017.91.386	1.13	018.00.116	1.20	018.00.427	1.21	018.20.064	1.23
017.91.246	1.13	017.91.388	1.13	018.00.117	1.20	018.00.428	1.21	018.20.081	1.23
017.91.251	1.13	017.91.391	1.13	018.00.119	1.20	018.00.430	1.21	018.20.083	1.23
017.91.253	1.13			018.00.120	1.20	018.00.431	1.21	018.20.085	1.23
017.91.254	1.13			018.00.121	1.20	018.00.451	1.21	018.20.086	1.23
017.91.255	1.13			018.00.123	1.20	018.00.453	1.21	018.20.089	1.23
017.91.256	1.13			018.00.124	1.20	018.00.454	1.21	018.20.093	1.23
017.91.279	1.13			018.00.125	1.20	018.00.455	1.21	018.20.094	1.23
017.91.281	1.13			018.00.126	1.20	018.00.456	1.21	018.20.110	1.23
017.91.283	1.13			018.00.127	1.20	018.00.458	1.21	018.20.111	1.23
017.91.284	1.13			018.00.143	1.20	018.00.460	1.21	018.20.112	1.23
017.91.285	1.13			018.00.146	1.20	018.00.461	1.21	018.20.113	1.23
017.91.286	1.13			018.00.149	1.20	018.00.484	1.21	018.20.115	1.23
017.91.287	1.13			018.00.151	1.20	018.00.486	1.21	018.20.116	1.23
017.91.288	1.13			018.00.153	1.20	018.00.488	1.21	018.20.119	1.23
017.91.290	1.13			018.00.154	1.20	018.00.489	1.21	018.20.121	1.23
017.91.313	1.13			018.00.155	1.20	018.00.490	1.21	018.20.123	1.23
017.91.314	1.13			018.00.156	1.20	018.00.491	1.21	018.20.124	1.23
017.91.315	1.13			018.00.157	1.20	018.00.492	1.21	018.20.125	1.23
017.91.316	1.13			018.00.176	1.20	018.00.493	1.21	018.20.143	1.23
017.91.317	1.13			018.00.179	1.20	018.00.494	1.21	018.20.145	1.23
017.91.318	1.13			018.00.181	1.20	018.00.495	1.21	018.20.146	1.23
017.91.320	1.13			018.00.183	1.20	018.00.518	1.21	018.20.149	1.23
017.91.321	1.13			018.00.184	1.20	018.00.520	1.21	018.20.151	1.23
017.91.343	1.13			018.00.185	1.20	018.00.521	1.21	018.20.153	1.23
017.91.344	1.13			018.00.186	1.20	018.00.522	1.21	018.20.154	1.23
017.91.345	1.13			018.00.187	1.20	018.00.523	1.21	018.20.155	1.23
017.91.346	1.13			018.00.211	1.20	018.00.525	1.21	018.20.156	1.23
017.91.347	1.13			018.00.213	1.20	018.00.527	1.21	018.20.173	1.23
017.91.348	1.13			018.00.214	1.20	018.00.528	1.21	018.20.175	1.23
017.91.350	1.13			018.00.215	1.20	018.00.529	1.21	018.20.176	1.23
017.91.351	1.13			018.00.216	1.20	018.00.530	1.21	018.20.179	1.23
017.91.352	1.13			018.00.217	1.20	018.00.531	1.21	018.20.181	1.23
017.91.353	1.13			018.00.391	1.21	018.20.003	1.23	018.20.183	1.23
017.91.355	1.13			018.00.393	1.21	018.20.050	1.23	018.20.184	1.23
017.91.376	1.13			018.00.394	1.21	018.20.051	1.23	018.20.185	1.23
017.91.378	1.13			018.00.396	1.21	018.20.052	1.23	018.20.186	1.23

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018.20.206	1.23	018.50.216	1.24	018.50.493	1.25	018.51.424	1.25	018.51.531	1.25
018.20.209	1.23	018.50.218	1.24	018.50.495	1.25	018.51.425	1.25	018.51.532	1.25
018.20.211	1.23	018.50.224	1.24	018.50.516	1.25	018.51.426	1.25	018.51.533	1.25
018.20.213	1.23	018.50.226	1.24	018.50.518	1.25	018.51.427	1.25	018.51.534	1.25
018.20.214	1.23	018.50.229	1.24	018.50.520	1.25	018.51.428	1.25	018.51.535	1.25
018.20.218	1.23	018.50.231	1.25	018.50.521	1.25	018.51.429	1.25	018.51.536	1.25
018.40.155	1.22	018.50.233	1.25	018.50.522	1.25	018.51.430	1.25	018.70.051	1.27
018.40.157	1.22	018.50.364	1.25	018.50.523	1.25	018.51.446	1.24	018.70.053	1.27
018.40.161	1.22	018.50.384	1.24	018.50.524	1.25	018.51.449	1.24	018.70.055	1.27
018.40.188	1.22	018.50.386	1.24	018.50.525	1.25	018.51.451	1.25	018.70.056	1.27
018.40.191	1.22	018.50.389	1.24	018.50.527	1.25	018.51.453	1.25	018.70.059	1.27
018.50.051	1.24	018.50.391	1.25	018.50.528	1.25	018.51.454	1.25	018.70.061	1.27
018.50.061	1.24	018.50.393	1.25	018.50.529	1.25	018.51.455	1.25	018.70.081	1.27
018.50.083	1.24	018.50.394	1.25	018.50.531	1.25	018.51.456	1.25	018.70.083	1.27
018.50.091	1.24	018.50.395	1.25	018.50.533	1.25	018.51.458	1.25	018.70.084	1.27
018.50.093	1.24	018.50.396	1.25	018.50.534	1.25	018.51.460	1.25	018.70.086	1.27
018.50.094	1.24	018.50.421	1.25	018.50.535	1.25	018.51.461	1.25	018.70.089	1.27
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264.75.762	1.45	267.76.332	2.26						
264.81.014	1.45	267.82.026	2.27						
264.81.030	1.45	267.82.125	2.27						
264.82.014	1.45	267.82.130	2.27						
264.82.020	1.45	267.82.140	2.27						
264.83.920	1.45	267.82.227	2.27						
264.83.921	1.45	267.82.230	2.27						
264.98.922	1.44	267.82.235	2.27						
264.98.935	1.44	267.82.240	2.27						
264.98.940	1.44	267.82.248	2.27						
264.98.945	1.44	267.82.250	2.27						
264.98.960	1.44	267.82.330	2.27						
264.98.980	1.44	267.82.340	2.27						

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