

Socket Wrench Set 1/4", 34-piece including  
Lever Ratchet Wrench

- Socket wrench inserts with a Berner Flank Drive (BFD) for a considerably greater contact area with the screw connection

Characteristics

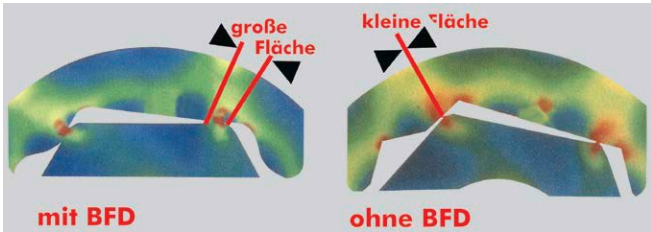
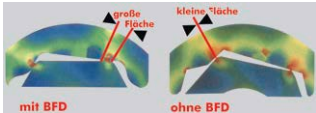
- Reversible ratchet 72 teeth fine teeth

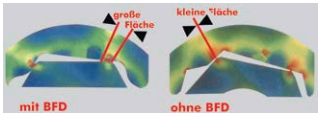
Scope Of Delivery

- 12 hex socket wrench inserts: wrench size 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 15 screwdriver inserts: inner hex wrench size 3 - 4 - 5 - 6 - 8 - 10 mm: torx: T 15, T 20, T 25, T 30
- crosshead PH 1, PH 2, PH 3
- longitudinal slot 0,6 x 4,5, 0,8 x 5,5, 1,2 x 6,5 mm
- 1 Lever ratchet wrench
- 1 square hand-held screwdriver
- 1 sliding T-handle
- 1 bit adapter
- 2 extension bars 55 and 100 mm
- 1 universal joint
- The storage and transport case, the "SMART-BOX size 1" including a removable plastic insert, suitable for Berner workshop trolley systems or in the space-saving metal box (H 40 x W 190 x D 105 mm)

Title	Drive	PU Piece	Article No.
Socket Wrench Set, 34-piece in Metal Box	1/4" / -	1	157639

AGR: 03.018





S-Set Lever 1/4" Smartbox Lever Ratchet 60 T

- Sockets with Berner’s Cross Drive (BFD) for
- significantly more contact surface for screwing

Scope Of Delivery

- 12 Sockets 6-kant: SW 4 - 4.5 to 5 - 5.5 - 6 - 7 - 09/08/10 - 12/11/13 mm
- 15 Screwdriver Bits: Interior-6-kant SW 3 - 4 - 5 - 6 - 8 - 10 mm; TS: T 15, T 20, T 25, T 30; Phillips PH 1, PH 2, PH 3; Longitudinal slot 0.6 x 4.5, 0.8 x 5.5, 1.2 x 6.5 mm
- 1 lever change ratchet, 1 manual wrench 4-point, 1 sliding T-T, 2 extensions 55 and 100 mm
- 1 bit adapter
- 1 universal joint
- Storage and transport case "SMART-BOX Gr. 1" including remova-ble plastic insert, fit for Berner's workshop trolley systems

Title	Drive	PU Piece	Article No.
S-SET LEVER BFD 1/4" SBOX 60T	1/4"	1	213277
AGR: 03.018			
Accessories Available		PU Amount	Article No.
S-SET LEVER BFD 1/4" HS 60T		1	213269

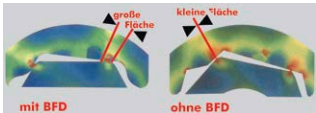
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Socket Wrench Set 1/4" + 3/8", 54-piece, Lever ratchet 60 T

- Sockets with Berner’s Cross Drive (BFD) for
- significantly more contact surface for screwing

Scope Of Delivery

- 1/4 ":
- 12 Sockets 6-kant: SW 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 15 Screwdriver Bits: Interior-6-kant SW 3 - 4 - 5 - 6 - 8 mm; TX: T 15, T 20, T 25, T 30; Phillips PH 1, PH 2, PH 3; Longitudinal slot 0.6 x 4.5, 0.8 x 5.5, 1.2 x 6.5 mm
- 1 reversible ratchet 60 T, 1 universal joint,
- 2 extensions 55 and 100 mm
- 1 bit adapter
- 3/8 ":
- 17 Sockets 6-kant: SW 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22
- 1 reversible ratchet, sliding T-1 T, 1 universal joint,
- 2 extensions 125 and 250 mm
- Storage and transport case "SMART-BOX Gr. 1" including removable insert, fit for Berner's workshop trolley systems



Title	PU Piece	Article No.
S-SET LEVER BFD1/4"3/8SBOX 60T	1	213278

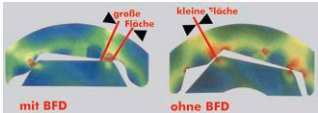
AGR: 03.018

Socket driver set 1/4" + 1/2", 54 parts, Lever ratchet 60 T

- Sockets with Berner’s Cross Drive (BFD) for
- significantly more contact surface for screwing

Scope Of Delivery

- 1/4": 12 Sockets BFD: SW 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 15 Screwdriver Bits: Interior-6-kant SW 3 - 4 - 5 - 6 - 8 mm; TX: T 15, T 20, T 25, T 30; Phillips PH 1, PH 2, PH 3; Longitudinal slot 0.6 x 4.5, 0.8 x 5.5, 1.2 x 6.5 mm
- 1 reversible ratchet 60 T, 1 universal joint,
- 2 extensions 55 and 100 mm
- 1 bit adapter
- 1/2 ": 17 Sockets BFD: SW 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20-21 - 22 - 24 - 27 - 30 - 32 mm
- 1 reversible ratchet 60 T, sliding T, 1 universal joint,
- 2 extensions 125 and 250 mm
- Storage and transport case "SMART-BOX Gr. 1" including remova-ble insert, suitable for Berner's workshop trolley systems



Title	PU Piece	Article No.
S-SET LEVER BFD1/4"1/2SBOX 60T	1	213280

AGR: 03.018

Accessories Available	PU Amount	Article No.
S-SET LEVER BFD 1/4"1/2"HS 60T	1	213272

Set socket 1/4" und 1/2" BFD, 151-tlg. Lever ratchet 60 T

- Lever change ratchet 60 T, ball detent and
- 3-component handle
- Screwdriver for use of
- 1/4"socket wrench inserts and bits
- Delivery of high-quality, stable Smart Box XL, the tools are neatly labeled with the sizes ticking stored in the foam



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Socket spanners, rachets, spanners

Scope Of Delivery

- 12 Sockets 1/4 "BFD: SW 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 7 Sockets 1/4 "deep BFD: SW 4 - 5 - 6 -7 - 8 - 9 - 10 mm
- 5 Sockets 1/4 "for internal TX screws: SW E4 - E5 - E6 - E7 - E8
- 4 Sockets 1/4 "for interior-6-head screws: SW 3 - 4 - 5 - 6
- 4 Sockets 1/4 "longitudinal slot 4 - 5.5 - 6.5 - 7 mm
- 6 Sockets 1/4 "Phillips PH 1, PH 2, PH 3, PZ 1, PZ 2, PZ 3
- 8 Sockets 1/4 "screws with TX: TX 8 - 9 - 10 - 15 - 20-25 -27 - 30
- 8 Sockets 1/4 "with TX-head screw hole: TR 8 - 09 -10 - 15 - 20 - 25 - 27 - 30
- 2 extensions quarter ": 50 and 100 mm
- 1 T-Sliding T 1/2 ", T-Sliding T 1/4", 1 universal joint 1/4 "
- 1 Handheld Screwdrivers 1/4 "
- 1 x lever change ratchet 1/4" and 1/2" 60 T
- 17 Sockets 1/2 "BFD: SW 10 - 11 - 12 - 13 - 14 - 15 - 16 -17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
- 10 Sockets 1/2 "deep BFD: SW 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 22 mm
- 8 Sockets 1/2 "for internal TX screws: SW 10 - 11 - 12 - 14 - 16 - 18 - 20 - 24
- 2 spark plug sockets 1/2 ": SW 16 and 21 mm
- 2 extensions 1/2 ": 125 and 250 mm
- 1 universal joint 1/2 "
- 1 bit adapter 1/2" for 10 mm bits
- 12 bits 10 mm Ribe: M 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 16
- 5 Bits 10 mm for indoor 6-head screws: SW 7 - 8 - 10 - 12 - 14 mm
- 3 bits 10 mm longitudinal slit: 8 - 10 - 12 mm
- 2 bits 10 mm Phillips PH 3 - PH 4
- 6 Bits 10 mm for interior screws TX: TX 40 - 45 - 50 - 55 - 60 - 70
- 6 Bits 10 mm for inner-TX-head screw hole: TR 40 - 45 -50 - 55 - 60 - 70
- 5 Bits 10 mm for multi-tooth screws: XZN 5 - 6 - 8 - 10 - 12
- 9 Keys for indoor 6-head screws: Size 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm



Title

PU  
Piece

Article No.

Socket spanners, rachets, spanners

TOOL SET 151 BFD SB 60T	1	213287
AGR: 03.018		
Accessories Available	PU Amount	Article No.
TOOL SET 151 BFD FOAM 60T	1	213285

Set socket 1/4" und 1/2" BFD, 151-tlg.

- Lever change ratchet HD, ball detent and
- 2-component handle
- Screwdriver for use of
- 4/1 "socket wrench inserts and bits
- Delivery of high-quality, stable Smart Box XL, the tools are neatly labeled with the sizes ticking stored in the foam

Scope Of Delivery

- 12 Sockets 1/4 "BFD: SW 4 to 4.5 - 5 to 5.5 - 6 - 7 - 8 - 9 - 10 - 11-12 - 13 mm
- 7 Sockets 1/4 "deep BFD: SW 4 - 5 - 6 -7 08/09/10 mm
- 5 Sockets 1/4 "for internal TX screws: SW E4 - E5 - E6 - E7 - E8
- 4 Sockets 1/4 "for interior-6-head screws: SW 3 - 4 - 5 - 6
- 4 Sockets 1/4 "longitudinal slot 4 - 5.5 - 6.5 to 7 mm
- 6 Sockets 1/4 "Phillips PH 1, PH 2, PH 3, PZ 1, 2 PZ, PZ 3
- 8 Sockets 1/4 "screws with TX: TX 8 - 10.09.15 - 20-25 -27 - 30
- 8 Sockets 1/4 "with TX-head screw hole: TR 8 - 09.10.15 - 20-25 - 27-30
- 2 extensions quarter ": 50 and 100 mm
- 1 T-Sliding T 1/2 ", T-Sliding T 1/4", 1 universal joint 1/4 "
- 1 Handheld Screwdrivers 04.01 "
- per 1 x lever change ratchet 1/4 "and 1/2"
- 17 Sockets 1/2 "BFD: SW 10 - 12/11/13 - 14 - 15-16 -17 - 18 - 19-20 - 21-22 -24 - 27 to 30 - 32 mm
- 10 Sockets 1/2 "deep BFD: SW 12.11.13 - 14 - 15-16 - 17 - 18 - 19 - 22 mm
- 8 Sockets 1/2 "for internal TX screws: SW 11.10.12 - 14 - EUR16 and EUR18 - 20-24
- 2 spark plug sockets 1/2 ": SW 16 and 21 mm
- 2 extensions 1.2 ": 125 and 250 mm
- 1 universal joint 1/2 "
- 1 bit adapter 2.1 "for 10 mm bits
- 12 bits 10 mm Ribe: M 4 - 5 - 6 - 7 - 8 - 9 - 10/11/12 - 13 - 14-16



Socket spanners, rachets, spanners

- 5 Bits 10 mm for indoor 6-head screws: SW 7 - 08/10/12 - 14 mm
- 3 bits 10 mm longitudinal slit: 10/08/12 mm
- 2 bits 10 mm Phillips PH 3 - PH 4
- 6 Bits 10 mm for interior screws TX: TX 40-45 - 50-55 - 60-70
- 6 Bits 10 mm for inner-TX-head screw hole: TR 40-45 -50 - 55 - 60-70
- 5 Bits 10 mm for multi-tooth screws: XZN 5 - 6 - 8/10/12
- 9 Keys for indoor 6-head screws: Size 1.5 - 2 - 2.5 to 3 - 4 - 5 - 6 - 8 - 10 mm

3

Title	Drive	PU Piece	Article No.
TOOL SET 151 BFD SB	/ 6KT	1	198482
AGR: 03.018			
Accessories Available		PU Piece	Article No.
SMART-BOX XL		1	188017

T-Ratchet Set 1/4"

- Ball locking mechanism for a firm fit to the screw connection, push button release
- Stable, robust metal handle
- Length 125 mm
- Thumb switch for right-hand/left-hand operation

Characteristics

- 72 teeth, fine-toothed with 5° ratchet angle - suitable for working in narrow and hard-to-reach places

Scope Of Delivery

- 1 T-ratchet
- 5 socket wrench inserts: wrench size 8, 10, 11, 12, 13 mm
- Extension bar 50 mm
- Adapter for 1/4" bits

Title	PU Piece	Article No.
T-Ratchet Set	1	088433
AGR: 03.018		
Scope Of Supply	Piece	Article No.
High-Quality Bit 1/4"	1	890286
T-Ratchet 1/4" 125 mm	1	090927
Extension Bar 1/4" 55 mm	1	890332
Hex Socket Wrench Insert 1/4" 8 mm	1	155929
Hex Socket Wrench Insert 1/4" 10 mm	1	155931
Hex Socket Wrench Insert 1/4" 11 mm	1	155932
Hex Socket Wrench Insert 1/4" 12 mm	1	155933
Hex Socket Wrench Insert 1/4" 13 mm	1	155935



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Finger Ratchet Set 1/4", 24-piece

- Can also be used in tight spaces
- Versatile
- Can be used with only two fingers

Characteristics

- L-socket profile covers many conventional hex, 12-sided, inch, metric and outer TX connections
- Finger ratchets with clockwise/counterclockwise operation

Scope Of Delivery

- 1 x Finger ratchet 1/4" for socket wrench
- 1 x L-socket profile socket wrench insert, wrench size 6 - 7 - 8 - 10 - 11 - 13 mm
- 1 x Finger ratchet 1/4" for bits
- 16 bits:
  - 1 x PH in sizes 1, 2, 3
  - 1 x PZD in sizes 1, 2, 3
  - 1 x socket head in sizes 3, 4, 5
  - 1 x Torx in sizes 10, 15, 20, 25, 27, 30, 40

Title	PU Piece	Article No.
Finger-Ratchet Set, 24-piece	1	030363

AGR: 03.027



Socket spanners, rachets, spanners

Ratchet 1/4"

Characteristics

- 72 teeth, fine-toothed with 5° ratchet angle - suitable for working in narrow and hard-to-reach places



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Disc Ratchet Handle	1/4"	120 mm	72	1	057607
AGR: 03.020					
Spare Parts				PU Piece	Article No.
Berner Disc Ratchet Wrench Repair Set 1/4" 72 Z				1	049671

HD Ratchet with lock 1/4"

- Workshop-specific forward / reverse switch easily and quickly easily with only one finger on the lever, even with greasy hands possible
- Secure locking of the Sockets over ball, solution via push button with one finger

Characteristics

- 20 teeth



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
HD RATCHET W. LOCK 1/4"	1/4"	125 mm	20	1	121783
AGR: 03.020					

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Socket spanners, rachets, spanners

Spare Parts	PU Amount	Article No.
Repair Kits for Ratchet Wrenches 1/4", 3/8", 1/2", 3/4"	1	121788

Lever Ratchet with lock 1/4" 60 T

- Reverse switch easily and quickly easily with only one finger on the lever
- Secure locking of the Sockets over ball, solution via push button with one finger
- fine toothed
- 3-K-Handle
- Ergonomic desgin

Characteristics

- weight 120 g



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Lever Ratchet with lock 1/4" 60 T	1/4"	146 mm	60	1	210478

AGR: 03.020

Spare Parts	PU Amount	Article No.
REPAIR KIT 60 T RATCHET 1/4"	1	213282

One Hand Switch Ratchet 1/4"

- Switch between left-hand rotation and right-hand rotation with only one hand possible
- Very slim construction and finely toothed, well applicable at tight space conditions
- The ratchet head is 30% slimmer than common ratchets
- 30% lighter weight
- Safe locking mechanism of the spanner socket through a ball, release through pushing the button with one finger
- Ergonomical fatigue-free handle



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
ONE HAND SWITCH RATCHET 1/4"	1/4"	152 mm	60	1	155470

AGR: 03.020

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Socket spanners, rachets, spanners

Spare Parts

	PU Piece	Article No.
REPAIR KIT ONE HAND SWITCH 1/4	1	155500

Finger Bit Ratchet, 1/4"

- Can also be used in tight spaces
- Can be used with only two fingers
- 4 mm bits can be used through adapter
- Right / left reversible

Characteristics

- With clockwise/anticlockwise wrench operation



3

Title	Drive	PU Piece	Article No.
Finger Ratchet for 1/4" Bits	1/4"	1	033423
Finger Ratchet 1/4", Bit Holder	1/4"	1	033421

AGR: 03.020

Bit Ratchet, 1/4" and 10 mm

- Ideal for tight spaces, 72 teeth, fine-toothed, requires only 5° ratchet angle
- 4 mm and 5/16" bits can be used through adapter
- With clockwise/anticlockwise switching



Title	Drive	PU Piece	Article No.
Bit Ratchet for 1/4" and 10 mm Bits	1/4"	1	049994

AGR: 03.160

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Socket spanners, rachets, spanners

Screwdriver 1/4" I-Socket

Characteristics

- According to DIN 3122, chrome vanadium steel, 1/4 "Drive under control



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
L-Socket Screwdriver	4KT	1/4 "	4KT	1/4 "	150 mm	1	172724

AGR: 03.017

T-Sliding handle 1/4"

Characteristics

- DIN 3122-compliant chrome vanadium steel



Title	Drive	Length	PU Piece	Article No.
Sliding T-Handle	4KT 1/4"	115 mm	1	890324

AGR: 03.017

Extension 1/4"

Characteristics

- DIN 3123-compliant, chrome vanadium steel, matt chrome



Title	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Extension Bar	1/4 "	4KT	100 mm	1	890340
Extension Bar	1/4 "	4KT	150 mm	1	105828
Extension Bar	1/4 "	4KT	50 mm	1	890332
Extension Bar	1/4 "	4KT	75 mm	1	105827

AGR: 03.017

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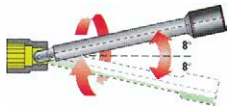
Socket spanners, rachets, spanners

Extensions 1/4"

- 2 features included by 2 levels peak
- First stage, straight and tight fit of the Socket
- Second stage, swirl the Socket to 8 ° for hard to reach places

Characteristics

- Pivotal about 8 ° to each side



Title	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Wobble extension	1/4 "	6KT	100 mm	1	038695
WOBBLE EXTENSION 1/4" 50 MM	1/4 "	-	55 mm	1	045155

AGR: 03.017

Auto Lockable Extension 1/4"

- 6-socket on the drive SW 11 - For use with a fork or ring spanner
- Auto Lock System - makes the socket wrench and held securely on the extension. No lose the socket wrench in inaccessible places
- To securely lock the socket onto the extension is needed no second hand
- To be used in conjunction with the Auto Lock universal joint very well in inaccessible places
- Knurling on the handle to also be able to quickly unscrew by hand and for a secure fit



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
AUTO LOCKABLE EXTENSION 1/4"	4KT	1/4 "	4KT	1/4 "	150 mm	1	129638

AGR: 03.017

Flexible Extension 1/4"



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
EXTENSION FLEXIBLE 150 1/4"	4KT	1/4 "	4KT	1/4 "	150 mm	1	129725

AGR: 03.017

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Universal Joint 1/4"

Characteristics

- DIN 3123-compliant, chrome vanadium steel



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Universal joint	1/4 "	4KT	1/4 "	45 mm	1	890359

AGR: 03.017

Auto Lockable Uni Joint 1/4"

- Auto Lock System - makes the socket wrench and held securely on the universal joint. No lose the socket wrench in inaccessible places
- To securely, lock the socket wrench on the universal joint and no second hand is needed
- To be used in conjunction with the Auto Lock extension very well in inaccessible places



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
AUTO LOCKABLE UNI JOINT 1/4"	4KT	1/4 "	4KT	1/4 "	55 mm	1	129635

AGR: 03.017

Wobble Adapter 1/4"

- Suitable for impact wrench
- Through pulling on the square the short extension is turned into a joint
- 360° pivoted and 20° inclinable

Application Area

- For working on chassis, engines, gear, brakes and much more



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
IP-WOBBLE- ADAPTER, 1/4"	4KT	1/4 "	4KT	1/4 "	37 mm	1	156713
AGR: 03.017							
Related Products						PU Piece	Article No.
IP-Wobble Set 1/4", 3/8", 1/2"						1	156712

Bit Adapter 1/4"

Application Area

- Usage in ratchets



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
High-Quality Bit AGR: 03.017	1/4 "	6KT	1/4 "	25 mm	1	890286

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Clamping bar 1/4"

- Spring clips are holding the socket wrench inserts “schüttel” in place, even after long-term use
- With handle and suspension hole

Technical Data

Drive Size Inch	1/4 "
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Title	Length	PU Piece	Article No.
Clamping bar 1/4"	200 mm	1	042550

AGR: 03.017

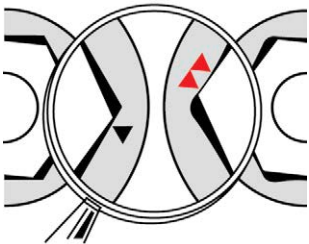
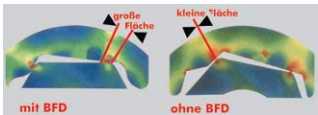


Hex Sockets 1/4"

- Socket wrench inserts with a Berner Flank Drive (BFD) for a considerably greater contact area with the screw connection

Characteristics

- In acc. with DIN 3124, chrome vanadium steel



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Hex Socket Wrench Insert	1/4 "	6KT	4 mm	25 mm	1	155922
Hex Socket Wrench Insert	1/4 "	6KT	4.5 mm	25 mm	1	155923
Hex Socket Wrench Insert	1/4 "	6KT	5 mm	25 mm	1	155924
Hex Socket Wrench Insert	1/4 "	6KT	5.5 mm	25 mm	1	155925
Hex Socket Wrench Insert	1/4 "	6KT	6 mm	25 mm	1	155927
Hex Socket Wrench Insert	1/4 "	6KT	7 mm	25 mm	1	155928
Hex Socket Wrench Insert	1/4 "	6KT	8 mm	25 mm	1	155929

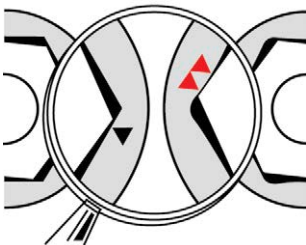
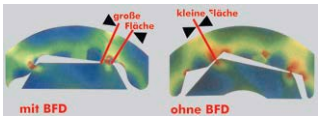
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Socket spanners, rachets, spanners

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Hex Socket Wrench Insert	1/4 "	6KT	9 mm	25 mm	1	155930
Hex Socket Wrench Insert	1/4 "	6KT	10 mm	25 mm	1	155931
Hex Socket Wrench Insert	1/4 "	6KT	11 mm	25 mm	1	155932
Hex Socket Wrench Insert	1/4 "	6KT	12 mm	25 mm	1	155933
Hex Socket Wrench Insert	1/4 "	6KT	13 mm	25 mm	1	155935
Hex Socket Wrench Insert	1/4 "	6KT	14 mm	25 mm	1	155936

AGR: 03.010

Hex Sockets, Extra Deep, 1/4"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
B 1291 SKET SPANN. 4LG 1/4	1/4 "	6KT	4 mm	50 mm	1	057063
B 1291 SKET SPANN. 5LG 1/4	1/4 "	6KT	5 mm	50 mm	1	057064
Hex Socket, Extra Deep, 1/4"	1/4 "	6KT	6 mm	50 mm	1	420948
Hex Socket, Extra Deep, 1/4"	1/4 "	6KT	7 mm	50 mm	1	420956
Hex Socket, Extra Deep, 1/4"	1/4 "	6KT	8 mm	50 mm	1	338222
Hex Socket, Extra Deep, 1/4"	1/4 "	6KT	9 mm	50 mm	1	420964
Hex Socket, Extra Deep, 1/4"	1/4 "	6KT	10 mm	50 mm	1	339210
Hex Socket, Extra Deep, 1/4"	1/4 "	6KT	11 mm	50 mm	1	924733
Hex Socket, Extra Deep, 1/4"	1/4 "	6KT	12 mm	50 mm	1	924741
Hex Socket, Extra Deep, 1/4"	1/4 "	6KT	13 mm	50 mm	1	417068

AGR: 03.010

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Socket spanners, rachets, spanners

Sockets with L-Socket, Extra Deep, 1/4"



Title	Drive Size Inch	Output Drive Size mm	Length	PU Piece	Article No.
Socket Wrench Insert with L-Socket	1/4 "	4 mm	50 mm	1	049948
Socket Wrench Insert with L-Socket	1/4 "	5 mm	50 mm	1	049949
Socket Wrench Insert with L-Socket	1/4 "	6 mm	50 mm	1	049950
Socket Wrench Insert with L-Socket	1/4 "	7 mm	50 mm	1	049951
Socket Wrench Insert with L-Socket	1/4 "	8 mm	50 mm	1	049952
Socket Wrench Insert with L-Socket	1/4 "	9 mm	50 mm	1	049953
Socket Wrench Insert with L-Socket	1/4 "	10 mm	50 mm	1	049954

AGR: 03.010

Hex Sockets with Allen Key Inserts, 1/4"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Hex Socket Wrench Inserts	1/4 "	I6KT	3 mm	28 mm	1	213110
Hex Socket Wrench Inserts	1/4 "	I6KT	4 mm	28 mm	1	213322
Hex Socket Wrench Inserts	1/4 "	I6KT	5 mm	28 mm	1	213128
Hex Socket Wrench Inserts	1/4 "	I6KT	6 mm	28 mm	1	213136
Hex Socket Wrench Inserts	1/4 "	I6KT	7 mm	28 mm	1	336383
Hex Socket Wrench Inserts	1/4 "	I6KT	8 mm	28 mm	1	213144
Hex Socket Wrench Inserts	1/4 "	I6KT	10 mm	28 mm	1	336380

AGR: 03.010

INTERNAL/Approved (2019-03-22 16:29:35)

Outer E-TX Sockets, 1/4"



3

Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Outer TX Socket Wrench Insert	TX	1/4 "	E	4 mm	25 mm	1	105790
Outer TX Socket Wrench Insert	TX	1/4 "	E	5 mm	25 mm	1	105792
Outer TX Socket Wrench Insert	TX	1/4 "	E	6 mm	25 mm	1	105793
Outer TX Socket Wrench Insert	TX	1/4 "	E	7 mm	25 mm	1	668583
Outer TX Socket Wrench Insert	TX	1/4 "	E	8 mm	25 mm	1	105794
Outer TX Socket Wrench Insert	TX	1/4 "	E	10 mm	25 mm	1	668605

AGR: 03.010

Inner TX Socket, 1/4"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Inner TX Socket Wrench Insert	1/4 "	TX	8 mm	32 mm	1	343080
Inner TX Socket Wrench Insert	1/4 "	TX	9 mm	32 mm	1	121477
Inner TX Socket Wrench Insert	1/4 "	TX	10 mm	32 mm	1	343102
Inner TX Socket Wrench Insert	1/4 "	TX	15 mm	32 mm	1	343110
Inner TX Socket Wrench Insert	1/4 "	TX	20 mm	32 mm	1	334790
Inner TX Socket Wrench Insert	1/4 "	TX	25 mm	32 mm	1	343129
Inner TX Socket Wrench Insert	1/4 "	TX	27 mm	32 mm	1	137830
Inner TX Socket Wrench Insert	1/4 "	TX	30 mm	32 mm	1	343137
Inner TX Socket Wrench Insert	1/4 "	TX	40 mm	32 mm	1	042548

AGR: 03.010

INTERNAL/Approved (2019-03-22 16:29:45)

Socket spanners, rachets, spanners

TX Holed Sockets, 1/4"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
TX Head Hole Socket Wrench Insert	1/4 "	R-TX	8 mm	37 mm	1	049959
TX Head Hole Socket Wrench Insert	1/4 "	R-TX	9 mm	37 mm	1	049960
TX Head Hole Socket Wrench Insert	1/4 "	R-TX	10 mm	37 mm	1	049961
TX Head Hole Socket Wrench Insert	1/4 "	R-TX	15 mm	37 mm	1	049962
TX Head Hole Socket Wrench Insert	1/4 "	R-TX	20 mm	37 mm	1	049963
TX Head Hole Socket Wrench Insert	1/4 "	R-TX	25 mm	37 mm	1	049964
TX Head Hole Socket Wrench Insert	1/4 "	R-TX	27 mm	37 mm	1	049965
TX Head Hole Socket Wrench Insert	1/4 "	R-TX	30 mm	37 mm	1	049966

AGR: 03.010

Straight Screwdriver Bit Sockets, 1/4"



Title	Drive Size Inch	Output shape	Length	Blade BxS	PU Piece	Article No.
Longitudinal Slot Socket Wrench Insert	1/4 "	LS	28 mm	8 x 1.2 mm	1	213187
Longitudinal Slot Socket Wrench Insert	1/4 "	LS	37 mm	6.5 x 1 mm	1	049955
Longitudinal Slot Socket Wrench Insert	1/4 "	LS	28 mm	3.5 x 0.6 mm	1	213160
Longitudinal Slot Socket Wrench Insert	1/4 "	LS	28 mm	5.5 x 1 mm	1	213179

AGR: 03.010

INTERNAL/Approved (2019-03-22 16:29:51)

Socket spanners, rachets, spanners

Phillips (PH) Screwdriver Bit Sockets, 1/4"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Crosshead Socket Wrench Insert	1/4 "	PH	1 mm	28 mm	1	213209
Crosshead Socket Wrench Insert	1/4 "	PH	2 mm	28 mm	1	213217
Crosshead Socket Wrench Insert	1/4 "	PH	3 mm	28 mm	1	213225
Crosshead Socket Wrench Insert	1/4 "	PH	4 mm	28 mm	1	213233

AGR: 03.010

PZ Screwdriver Bit Sockets, 1/4"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Crosshead Socket Wrench Insert	1/4 "	PZ	1 mm	37 mm	1	049956
Crosshead Socket Wrench Insert	1/4 "	PZ	2 mm	37 mm	1	049957
Crosshead Socket Wrench Insert	1/4 "	PZ	3 mm	37 mm	1	049958

AGR: 03.010

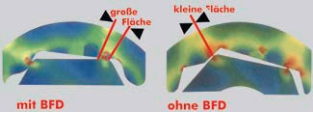
S-Set Lever 3/8" Smartbox, Lever ratchet 60 T

- Sockets with Berner’s Cross Drive (BFD) for significantly more contact surface for screwing

Scope Of Delivery

- 17 Sockets 6-kant: SW 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 mm
- 1 lever change ratchet
- 1 T-Sliding T
- 2 extensions 125 and 250 mm
- 1 universal joint
- Storage and transport case "SMART BOX" Gr.1 including removable insert, suitable for Berner's workshop trolley systems

Title	Drive	PU Piece	Article No.
S-SET LEVER BFD 3/8" SBOX 60T	3/8"	1	213279
AGR: 03.018			
Accessories Available		PU Amount	Article No.
S-SET LEVER BFD 3/8"HS 60T		1	213271

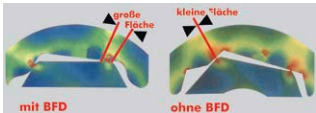


Socket Wrench Set 1/4" + 3/8", 54-piece, Lever ratchet 60 T

- Sockets with Berner's Cross Drive (BFD) for
- significantly more contact surface for screwing

Scope Of Delivery

- 1/4 ":
- 12 Sockets 6-kant: SW 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 15 Screwdriver Bits: Interior-6-kant SW 3 - 4 - 5 - 6 - 8 mm; TX: T 15, T 20, T 25, T 30; Phillips PH 1, PH 2, PH 3; Longitudinal slot 0.6 x 4.5, 0.8 x 5.5, 1.2 x 6.5 mm
- 1 reversible ratchet 60 T, 1 universal joint,
- 2 extensions 55 and 100 mm
- 1 bit adapter
- 3/8 ":
- 17 Sockets 6-kant: SW 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22
- 1 reversible ratchet, sliding T-1 T, 1 universal joint,
- 2 extensions 125 and 250 mm
- Storage and transport case "SMART-BOX Gr. 1" including removable insert, fit for Berner's workshop trolley systems



Title	PU Piece	Article No.
S-SET LEVER BFD1/4"3/8SBOX 60T	1	213278

AGR: 03.018

INTERNAL/Approved (2019-03-22 16:30:18)

Disc Ratchet Wrench 3/8"

Characteristics

- 72 teeth, fine-toothed with 5° ratchet angle - suitable for working in narrow and hard-to-reach places



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Disc Ratchet Wrench	3/8"	175 mm	72	1	057608

AGR: 03.021

Spare Parts

				PU Piece	Article No.
Berner Disc Ratchet Wrench Repair Set 3/8" 72 Z				1	049672

Lever Ratchet with lock 3/8"

- Workshop-specific forward / reverse switch easily and quickly easily with only one finger on the lever, even with greasy hands possible
- Secure locking of the Sockets over ball, solution via push button with one finger



Characteristics

- 30 teeth

Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Lever Ratchet with lock 3/8"	3/8"	175 mm	30	1	121786

AGR: 03.021

Spare Parts

				PU Piece	Article No.
Repair Kits for Ratchet Wrenches 1/4", 3/8", 1/2", 3/4"				1	121789

INTERNAL/Approved (2019-03-22 16:30:22)

Lever Ratchet with lock 3/8" 60 T

- Reverse switch easily and quickly easily with only one finger on the lever
- Secure locking of the Sockets over ball, solution via push button with one finger
- fine toothed
- 3-K-Handle
- Ergonomic desgin

Characteristics

- weight 268 g



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
CLIQUET MUST 3/8""	3/8"	202 mm	60	1	210479
AGR: 03.021					
Spare Parts				PU Amount	Article No.
REPAIR KIT 60 T RATCHET 3/8"				1	213258

One Hand Switch Ratchet 3/8"

- Switch between left-hand rotation and right-hand rotation with only one hand possible
- Very slim construction and finely toothed, well applicable at tight space conditions
- The ratchet head is 30% slimmer than common ratchets
- 30% lighter weight
- Safe locking mechanism of the spanner socket through a ball, release through pushing the button with one finger
- Ergonomical fatigue-free handle



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
ONE HAND SWITCH RATCHET 3/8"	3/8"	200 mm	60	1	155489
AGR: 03.021					
Spare Parts				PU Piece	Article No.
REPAIR KIT ONE HAND SWITCH 3/8				1	155519

INTERNAL/Approved (2019-03-22 16:30:30)

Telescopic Swivel Head Ratchet 3/8"

- Considerably high power transmission due to the telescopic bar which is extendable, firmly lockable in several levels
- Reaches extreme locations by means of its 180° head ratchet, pivotable, firmly-lockable, very slim joint head and extendable telescopic bar
- Workshop-specific right-left change-over with one finger quickly and easily via levers, easy even with greasy hands
- Enables a simple and rapid right/left wrench switching with one finger through the lever, can be used even with greasy hands without any problems
- Comfortable and non-slip handling by means of 2-component handle



Characteristics

- 72 teeth, fine-toothed with 5° ratchet angle - suitable for working in narrow and hard to reach places

Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Telescopic Joint Head Ratchet	3/8"	255 - 325 mm	72	1	061905

AGR: 03.021

Single-part 3/8" L socket

Characteristics

- DIN 3122-compliant, chrome vanadium steel



Title	Drive	Length	PU Piece	Article No.
Sliding T-Handle	4KT 3/8"	200 mm	1	890588

AGR: 03.017

Single-part 3/8" L socket



Characteristics

- DIN 3123-compliant, chrome vanadium steel, matt chromium-plated

Title	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Extension Bar	3/8 "	4KT	125 mm	1	890596
EXTENSION 150MM 3/8	3/8 "	4KT	150 mm	1	105831
Extension Bar	3/8 "	4KT	250 mm	1	890600
Extension Bar	3/8 "	4KT	300 mm	1	105786
Extension Bar	3/8 "	4KT	75 mm	1	105829
J.208 EXTENSION VERY SHORT	3/8 "	-	50 mm	1	894577

AGR: 03.017 / 03.410

Auto Lockable Extension 3/8"



- 6-socket on the drive with SW 16 - For use with a fork or ring spanner
- Auto Lock System - makes the socket wrench is held securely on the extension. No lose the socket wrench in inaccessible places
- To securely lock the socket onto the extension, no second hand is not needed
- To be used in conjunction with the Auto Lock universal joint very well in inaccessible places
- Knurling on the handle to also be able to quickly unscrew by hand and for a secure fit

Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
AUTO LOCKABLE EXTENSION 3/8"	4KT	3/8 "	4KT	3/8 "	250 mm	1	129639

AGR: 03.017

INTERNAL/Approved (2019-03-22 16:30:44)

Socket spanners, rachets, spanners

Single-part 3/8" L socket

Characteristics

- DIN 3123-compliant, chrome vanadium steel



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Universal Joint	3/8 "	4KT	3/8 "	55 mm	1	890618

AGR: 03.017

3

Auto Lockable Uni Joint 3/8"

- Auto Lock System - makes the socket wrench iand held securely on the extension. No lose the socket wrench in inaccessible places
- To securely lock the socket onto the extension is needed no second hand
- To be used in conjunction with the Auto Lock extension very well in inaccessible places



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
AUTO LOCKABLE UNI JOINT 3/8"	4KT	3/8 "	4KT	3/8 "	80 mm	1	129636

AGR: 03.017

Clamping bar 3/8"

Technical Data

Drive Size Inch	3/8 "
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Title	Length	PU Piece	Article No.
Clamping bar 3/8"	280 - 430 mm	1	042551

AGR: 03.017



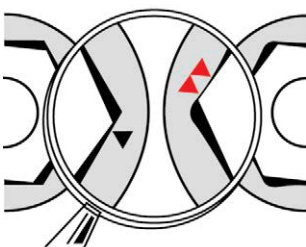
Hex Socket Wrench Inserts, 3/8"

- Sockets with Berner Flanke Drive (BFD) for a considerably greater contact area with the screw connection



Characteristics

- Chrome vanadium steel



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Hex Socket Wrench Insert	3/8 "	6KT	6 mm	28 mm	1	155937
Hex Socket Wrench Insert	3/8 "	6KT	7 mm	28 mm	1	155938
Hex Socket Wrench Insert	3/8 "	6KT	8 mm	28 mm	1	155939
Hex Socket Wrench Insert	3/8 "	6KT	9 mm	28 mm	1	155940
Hex Socket Wrench Insert	3/8 "	6KT	10 mm	28 mm	1	155941
Hex Socket Wrench Insert	3/8 "	6KT	11 mm	28 mm	1	155943
Hex Socket Wrench Insert	3/8 "	6KT	12 mm	28 mm	1	155944
Hex Socket Wrench Insert	3/8 "	6KT	13 mm	28 mm	1	155945
Hex Socket Wrench Insert	3/8 "	6KT	14 mm	30 mm	1	155946
Hex Socket Wrench Insert	3/8 "	6KT	15 mm	30 mm	1	155947
Hex Socket Wrench Insert	3/8 "	6KT	16 mm	30 mm	1	155948
Hex Socket Wrench Insert	3/8 "	6KT	17 mm	30 mm	1	155949
Hex Socket Wrench Insert	3/8 "	6KT	18 mm	30 mm	1	155951
Hex Socket Wrench Insert	3/8 "	6KT	19 mm	30 mm	1	155952
Hex Socket Wrench Insert	3/8 "	6KT	20 mm	30 mm	1	155953
Hex Socket Wrench Insert	3/8 "	6KT	21 mm	30 mm	1	155954
Hex Socket Wrench Insert	3/8 "	6KT	22 mm	32 mm	1	155955

AGR: 03.011

Hex Socket Wrench Inserts, 3/8", long

- Sockets with Berner Flanke Drive (BFD) for a considerably greater contact area with the screw connection, long

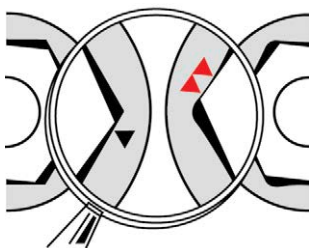


INTERNAL/Approved (2019-03-22 16:30:57)

Socket spanners, rachets, spanners

Characteristics

- Chrome vanadium steel



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Deep Hex Socket Wrench Insert	3/8 "	6KT	7 mm	63 mm	1	054854
Deep Hex Socket Wrench Insert	3/8 "	6KT	8 mm	63 mm	1	054855
Deep Hex Socket Wrench Insert	3/8 "	6KT	9 mm	63 mm	1	054860
Deep Hex Socket Wrench Insert	3/8 "	6KT	10 mm	63 mm	1	054862
Deep Hex Socket Wrench Insert	3/8 "	6KT	11 mm	63 mm	1	054863
Deep Hex Socket Wrench Insert	3/8 "	6KT	12 mm	63 mm	1	054864
Deep Hex Socket Wrench Insert	3/8 "	6KT	13 mm	63 mm	1	054865
Deep Hex Socket Wrench Insert	3/8 "	6KT	14 mm	63 mm	1	054866
Deep Hex Socket Wrench Insert	3/8 "	6KT	15 mm	63 mm	1	054867
Deep Hex Socket Wrench Insert	3/8 "	6KT	16 mm	63 mm	1	054868
Deep Hex Socket Wrench Insert	3/8 "	6KT	17 mm	63 mm	1	054869
Deep Hex Socket Wrench Insert	3/8 "	6KT	18 mm	63 mm	1	054870
Deep Hex Socket Wrench Insert	3/8 "	6KT	19 mm	63 mm	1	054871
Deep Hex Socket Wrench Insert	3/8 "	6KT	20 mm	63 mm	1	054872
Deep Hex Socket Wrench Insert	3/8 "	6KT	21 mm	63 mm	1	054873
Deep Hex Socket Wrench Insert	3/8 "	6KT	22 mm	63 mm	1	054874

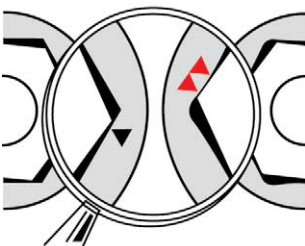
AGR: 03.011

Extra Deep 12-sided Sockets, 3/8"

- Sockets with Berner Flank Drive (BFD) for a considerably greater contact area with the screwed connection

Characteristics

- Chrome vanadium steel



3

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	9 mm	63 mm	1	106125
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	10 mm	63 mm	1	213497
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	11 mm	63 mm	1	213500
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	12 mm	63 mm	1	213519
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	13 mm	63 mm	1	213527
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	14 mm	63 mm	1	213535
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	15 mm	63 mm	1	213551
SKET SPANN.INS 3/8 16MM	3/8 "	12KT	16 mm	63 mm	1	174497
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	17 mm	63 mm	1	213543
Extra Deep 12-sided Socket Wrench Insert	3/8 "	12KT	19 mm	63 mm	1	213560

AGR: 03.011

INTERNAL/Approved (2019-03-22 16:31:17)

Socket spanners, rachets, spanners

Magnetic Spark Plug Socket Wrench

- Permanent magnet in the socket helps prevent spark plugs from falling out
- Knurling for easier positioning

Application Area

- Magnetic socket wrench for spark plugs

Characteristics

- Chrome vanadium steel, hex



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Magnetic Socket Wrench	3/8 "	6KT	16 mm	82 mm	1	184020
Magnetic Socket Wrench	3/8 "	6KT	18 mm	82 mm	1	243213
Magnetic Socket Wrench	3/8 "	6KT	20.8 mm	82 mm	1	184039

AGR: 03.011

Wobble Adapter 3/8"

- Suitable for impact wrench
- Through pulling on the square the short extension is turned into a joint
- 360° pivoted and 20° inclinable

Application Area

- For working on chassis, engines, gear, brakes and much more



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
IP-WOBBLE-ADAPTER, 3/8"	4KT	3/8 "	4KT	3/8 "	47 mm	1	156723

AGR: 03.017

Related Products

	PU Piece	Article No.
IP-Wobble Set 1/4", 3/8", 1/2"	1	156712

INTERNAL/Approved (2019-03-22 16:31:23)

Impact socket-Set 3/8" 6-point, 10 pieces

Application Area

- The impact socket is especially suitable for the dismanteling of stuck screw connections

Hints

- For the use with our 3/8" impact wrench

Scope Of Delivery

- 9mm - 10mm - 11mm - 12mm - 13mm - 14mm - 15mm - 16mm - 17mm - 19mm



3

Title	Drive	PU Set	Article No.
Impact socket-Set 3/8" 6-point	3/8" / 6KT	1	032422

AGR: 03.018

Scope Of Supply	Amount	Article No.
(256082_11_1_AT01_BSchlagnuss38SW9)	1	-
(256082_12_1_AT01_BSchlagnuss38SW10)	1	-
(256082_13_1_AT01_BSchlagnuss38SW11)	1	-
(256082_14_1_AT01_BSchlagnuss38SW12)	1	-
(256082_15_1_AT01_BSchlagnuss38SW13)	1	-
(256082_16_1_AT01_BSchlagnuss38SW14)	1	-
(256082_17_1_AT01_BSchlagnuss38SW15)	1	-
(256082_18_1_AT01_BSchlagnuss38SW16)	1	-
(256082_19_1_AT01_BSchlagnuss38SW17)	1	-
(256082_20_1_AT01_BSchlagnuss38SW19)	1	-

INTERNAL/Approved (2019-03-22 16:31:35)

Pronged Wrench Set 3/8"



Application Area

- Pronged wrenches allow tightening of parts that are not accessible with an ordinary wrench or torque wrench
- 6 edged jaws
- 3/8" 4-edged connection

Characteristics

- Delivered on a coupler strip

Title	PU Piece	Article No.
SET CLAW SPANNERS 10PCS.3/8	1	156041

AGR: 03.018

Hex Socket with Allen Key Insert, 3/8"



Characteristics

- Chrome vanadium steel

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Hex Socket Wrench Insert	3/8 "	I6KT	3 mm	50 mm	1	209287
Hex Socket Wrench Insert	3/8 "	I6KT	4 mm	50 mm	1	209279
Hex Socket Wrench Insert	3/8 "	I6KT	5 mm	50 mm	1	209260
Hex Socket Wrench Insert	3/8 "	I6KT	6 mm	50 mm	1	209252
Hex Socket Wrench Insert	3/8 "	I6KT	7 mm	50 mm	1	209244
Hex Socket Wrench Insert	3/8 "	I6KT	8 mm	50 mm	1	209236
Hex Socket Wrench Insert	3/8 "	I6KT	9 mm	50 mm	1	213241
Hex Socket Wrench Insert	3/8 "	I6KT	10 mm	50 mm	1	213250
Hex Socket Wrench Insert	3/8 "	I6KT	12 mm	50 mm	1	213268

AGR: 03.011

INTERNAL/Approved (2019-03-22 16:31:40)

Outer E-TX Sockets, 3/8"

Characteristics

- Chrome vanadium steel



3

Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Outer TX Socket Wrench Insert	TX	3/8 "	E	8 mm	28 mm	1	105795
Outer TX Socket Wrench Insert	TX	3/8 "	E	10 mm	28 mm	1	105796
Outer TX Socket Wrench Insert	TX	3/8 "	E	11 mm	28 mm	1	903126
Outer TX Socket Wrench Insert	TX	3/8 "	E	12 mm	28 mm	1	105797
Outer TX Socket Wrench Insert	TX	3/8 "	E	14 mm	28 mm	1	105798
Outer TX Socket Wrench Insert	TX	3/8 "	E	16 mm	28 mm	1	412619

AGR: 03.011

Inner TX Sockets, 3/8"

Characteristics

- Chrome vanadium steel



3

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Inner TX Socket Wrench Inserts	3/8 "	TX	15 mm	50 mm	1	250937
Inner TX Socket Wrench Inserts	3/8 "	TX	20 mm	50 mm	1	219606
Inner TX Socket Wrench Inserts	3/8 "	TX	25 mm	50 mm	1	219614
Inner TX Socket Wrench Inserts	3/8 "	TX	27 mm	50 mm	1	714968
Inner TX Socket Wrench Inserts	3/8 "	TX	30 mm	50 mm	1	714976
Inner TX Socket Wrench Inserts	3/8 "	TX	40 mm	50 mm	1	325074
Inner TX Socket Wrench Inserts	3/8 "	TX	45 mm	50 mm	1	051588
Inner TX Socket Wrench Inserts	3/8 "	TX	50 mm	50 mm	1	051589

AGR: 03.011

Sockets with Multi Point Insert, 3/8"

Characteristics

- Chrome vanadium steel



3

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Socket Wrench Insert, Multi Piont Socket	3/8 "	XZN	5 mm	50 mm	1	048571
Socket Wrench Insert, Multi Piont Socket	3/8 "	XZN	6 mm	50 mm	1	048572
Socket Wrench Insert, Multi Piont Socket	3/8 "	XZN	8 mm	50 mm	1	048573
Socket Wrench Insert, Multi Piont Socket	3/8 "	XZN	10 mm	50 mm	1	048574

AGR: 03.011

INTERNAL/Approved (2019-03-22 16:32:01)

Socket spanners, rachets, spanners

Bit Adapter 3/8"

Characteristics

- Chrome vanadium steel, for 1/4" or 5/16" bits



3

Title	Drive Size Inch	Output shape	Output Drive Size In Inch	PU Piece	Article No.
3/8" to 10 mm Bit Adapter	3/8 "	6KT	-	1	000861
1/4" Bit Adapter	3/8 "	6KT	1/4 "	1	105789
5/16" Bit Adapter	3/8 "	6KT	5/16 "	1	102410

AGR: 03.017 / 03.160

Magnetic Sockets for Oil Service

- Socket with Magnet
- Safety hold from the screw while screw out or in
- Clean work



INTERNAL/Approved (2019-03-22 16:32:05)

Socket spanners, rachets, spanners

Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Magnet allen Socket H 18 mm	4KT	3/8 "	I6KT	8 mm	30 mm	1	336415
Magnet Socket, square 8 mm	4KT	3/8 "	4KT	8 mm	30 mm	1	336427
Magnet allen Socket H 10 mm	4KT	3/8 "	I6KT	10 mm	30 mm	1	336422
Magnet Socket, square 10 mm	4KT	3/8 "	4KT	10 mm	30 mm	1	336428
Magnet allen Socket H 12 mm	4KT	3/8 "	I6KT	12 mm	30 mm	1	336426
Magnet allen Socket H 13 mm	4KT	3/8 "	I6KT	13 mm	30 mm	1	336424
Magnet Socket 13 mm	4KT	3/8 "	6KT	13 mm	20.5 mm	1	336416
Magnet allen Socket H 14 mm	4KT	3/8 "	I6KT	14 mm	30 mm	1	336425
Magnet Socket 14 mm	4KT	3/8 "	6KT	14 mm	20.5 mm	1	336417
Magnet allen Socket H 17 mm	4KT	3/8 "	I6KT	17 mm	30 mm	1	336423
Magnet Socket 17 mm	4KT	3/8 "	6KT	17 mm	20.5 mm	1	336419
Magnet Socket 18 mm	4KT	3/8 "	6KT	18 mm	20.5 mm	1	336418
Magnet Socket 19 mm	4KT	3/8 "	6KT	19 mm	20.5 mm	1	336420
Magnet Socket 21 mm	4KT	3/8 "	6KT	21 mm	20.5 mm	1	336421
Magnet Socket, Torx 45	4KT	3/8 "	TX	45 mm	30 mm	1	336345

AGR: 03.011

Related Products

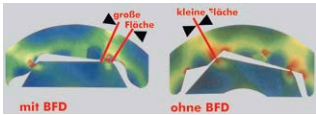
	PU Amount	Article No.
Foam Inlay for Oilservice	1	336347

Socket driver set 1/4" + 1/2", 54 parts, Lever ratchet 60 T

- Sockets with Berner’s Cross Drive (BFD) for
- significantly more contact surface for screwing

Scope Of Delivery

- 1/4": 12 Sockets BFD: SW 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 15 Screwdriver Bits: Interior-6-kant SW 3 - 4 - 5 - 6 - 8 mm; TX: T 15, T 20, T 25, T 30; Phillips PH 1, PH 2, PH 3; Longitudinal slot 0.6 x 4.5, 0.8 x 5.5, 1.2 x 6.5 mm
- 1 reversible ratchet 60 T, 1 universal joint,
- 2 extensions 55 and 100 mm
- 1 bit adapter
- 1/2 ": 17 Sockets BFD: SW 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20-21 - 22 - 24 - 27 - 30 - 32 mm
- 1 reversible ratchet 60 T, sliding T, 1 universal joint,
- 2 extensions 125 and 250 mm
- Storage and transport case "SMART-BOX Gr. 1" including remova-ble insert, suitable for Berner's workshop trolley systems



Title	PU Piece	Article No.
S-SET LEVER BFD1/4"1/2SBOX 60T	1	213280
AGR: 03.018		
Accessories Available	PU Amount	Article No.
S-SET LEVER BFD 1/4"1/2"HS 60T	1	213272

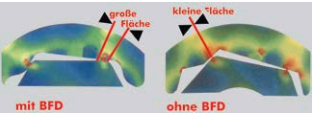
S-Set Lever 1/2" Smartbox, Lever ratchet 60 T

- Sockets with Bernese Cross Drive (BFD) for significantly contact surface for screwing

Scope Of Delivery

- 20 Sockets BFD: SW 10 - 11 - 12 - 13 - 14 - 15-16 - 17 - 18 - 19 - 20 - 21 - 22 - 23 - 24 - 26 - 27 - 28 - 30 - 32 mm
- 1 reversible ratchet 60 T
- 1 T-Sliding T
- per 1 x extension 125 and 250 mm
- 1 universal joint
- Storage and transport case "SMART-BOX Gr.2" including remova-ble insert, suitable for Berner's workshop trolley systems

Title	Drive	PU Piece	Article No.
S-SET LEVER BFD 1/2" SBOX 60T	1/2"	1	213281
AGR: 03.018			
Accessories Available		PU Amount	Article No.
S-SET LEVER BFD 1/2" HS 60T		1	213273



## Socket spanners, ratchets, spanners

### Set socket 1/4" und 1/2" BFD, 151-tlg. Lever ratchet 60 T

- Lever change ratchet 60 T, ball detent and
- 3-component handle
- Screwdriver for use of
- 1/4" socket wrench inserts and bits
- Delivery of high-quality, stable Smart Box XL, the tools are neatly labeled with the sizes ticking stored in the foam

#### Scope Of Delivery

- 12 Sockets 1/4 "BFD: SW 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 7 Sockets 1/4 "deep BFD: SW 4 - 5 - 6 - 7 - 8 - 9 - 10 mm
- 5 Sockets 1/4 "for internal TX screws: SW E4 - E5 - E6 - E7 - E8
- 4 Sockets 1/4 "for interior-6-head screws: SW 3 - 4 - 5 - 6
- 4 Sockets 1/4 "longitudinal slot 4 - 5.5 - 6.5 - 7 mm
- 6 Sockets 1/4 "Phillips PH 1, PH 2, PH 3, PZ 1, PZ 2, PZ 3
- 8 Sockets 1/4 "screws with TX: TX 8 - 9 - 10 - 15 - 20 - 25 - 27 - 30
- 8 Sockets 1/4 "with TX-head screw hole: TR 8 - 09 - 10 - 15 - 20 - 25 - 27 - 30
- 2 extensions quarter ": 50 and 100 mm
- 1 T-Sliding T 1/2 ", T-Sliding T 1/4", 1 universal joint 1/4 "
- 1 Handheld Screwdrivers 1/4 "
- 1 x lever change ratchet 1/4" and 1/2" 60 T
- 17 Sockets 1/2 "BFD: SW 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
- 10 Sockets 1/2 "deep BFD: SW 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 22 mm
- 8 Sockets 1/2 "for internal TX screws: SW 10 - 11 - 12 - 14 - 16 - 18 - 20 - 24
- 2 spark plug sockets 1/2 ": SW 16 and 21 mm
- 2 extensions 1/2 ": 125 and 250 mm
- 1 universal joint 1/2 "
- 1 bit adapter 1/2" for 10 mm bits
- 12 bits 10 mm Ribe: M 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 16
- 5 Bits 10 mm for indoor 6-head screws: SW 7 - 8 - 10 - 12 - 14 mm
- 3 bits 10 mm longitudinal slit: 8 - 10 - 12 mm
- 2 bits 10 mm Phillips PH 3 - PH 4



Socket spanners, rachets, spanners

- 6 Bits 10 mm for interior screws TX: TX 40 - 45 - 50 - 55 - 60 - 70
- 6 Bits 10 mm for inner-TX-head screw hole: TR 40 - 45 -50 - 55 - 60 - 70
- 5 Bits 10 mm for multi-tooth screws: XZN 5 - 6 - 8 - 10 - 12
- 9 Keys for indoor 6-head screws: Size 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm

Title	PU Piece	Article No.
TOOL SET 151 BFD SB 60T	1	213287
AGR: 03.018		
Accessories Available	PU Amount	Article No.
TOOL SET 151 BFD FOAM 60T	1	213285

3

Socket Wrench Set 1/2", 25-piece in SMART-Box

- Socket wrench set with Berner Flank Drive (BFD) for a considerably greater contact area with the screw connection

Characteristics

- Ratchet wrench with 72 teeth, fine-toothed

Scope Of Delivery

- 20 hex sockets: wrench size 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 -21 - 22 - 23 - 24 - 26 - 27 - 28 - 30 - 32 mm
- 1 lever ratchet wrench
- 1 T-handle
- 1 x extension bar 125 and 250 mm
- 1 universal joint
- The storage and transport case, the "SMART-BOX size 2" incl. a removable plastic insert, suitable for Berner workshop trolley systems

Title	Drive	PU Piece	Article No.
Socket-Set 1/2" 6-point BFD, 25 pieces	1/2" / 6KT	1	039890

AGR: 03.018



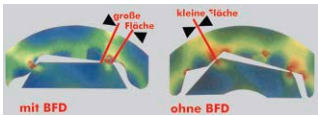
INTERNAL/Approved (2019-03-22 16:32:29)

Socket driver set 1/4" + 1/2", 54 parts

- Sockets with Berner’s Cross Drive (BFD) for
- significantly more contact surface for screwing

Scope Of Delivery

- 4.1 ": 12 Sockets 6-kant: SW 4 - 4.5 to 5 - 5.5 - 6 - 7 - 08/09/10 - 12/11/13 mm
- 15 Screwdriver Bits: Interior-6-kant SW 3 - 4 - 5 - 6 - 8 mm
- TX: T 15, T 20, T 25, T 30
- Phillips PH 1, PH 2, PH 3
- Longitudinal slot 0.6 x 4.5, 0.8 x 5.5, 1.2 x 6.5 mm
- 1 reversible ratchet, 1 universal joint,
- 2 extensions 55 and 100 mm
- 1 bit adapter
- 2.1 ": 17 Sockets 6-kant: SW 10 - 12/11/13 - 14 - 15-16 - 17 - 18 - 19 - 20-21 - 22-24 - 27-30 - 32 mm
- 1 reversible ratchet, sliding T-1 T, 1 universal joint,
- 2 extensions 125 and 250 mm
- Storage and transport case "SMART-BOX Gr. 1" including remova- ble plastic insert, suitable for Berner's workshop trolley systems



Title	Drive	PU Set	Article No.
Socket dr. set 1/4" + 1/2" incl. plate rat.	6KT	1	111384

AGR: 03.018

Set socket 1/4" und 1/2" BFD, 151-tlg.

- Lever change ratchet HD, ball detent and
- 2-component handle
- Screwdriver for use of
- 4/1 "socket wrench inserts and bits
- Delivery of high-quality, stable Smart Box XL, the tools are neatly labeled with the sizes ticking stored in the foam

Scope Of Delivery

- 12 Sockets 1/4 "BFD: SW 4 to 4.5 - 5 to 5.5 - 6 - 7 - 8 - 9 - 10 - 11-12 - 13 mm
- 7 Sockets 1/4 "deep BFD: SW 4 - 5 - 6 -7 08/09/10 mm
- 5 Sockets 1/4 "for internal TX screws: SW E4 - E5 - E6 - E7 - E8
- 4 Sockets 1/4 "for interior-6-head screws: SW 3 - 4 - 5 - 6
- 4 Sockets 1/4 "longitudinal slot 4 - 5.5 - 6.5 to 7 mm



Socket spanners, rachets, spanners

- 6 Sockets 1/4 "Phillips PH 1, PH 2, PH 3, PZ 1, 2 PZ, PZ 3
- 8 Sockets 1/4 "screws with TX: TX 8 - 10.09.15 - 20-25 -27 - 30
- 8 Sockets 1/4 "with TX-head screw hole: TR 8 - 09.10.15 - 20-25 - 27-30
- 2 extensions quarter ": 50 and 100 mm
- 1 T-Sliding T 1/2 ", T-Sliding T 1/4", 1 universal joint 1/4 "
- 1 Handheld Screwdrivers 04.01 "
- per 1 x lever change ratchet 1/4 "and 1/2"
- 17 Sockets 1/2 "BFD: SW 10 - 12/11/13 - 14 - 15-16 -17 - 18 - 19-20 - 21-22 -24 - 27 to 30 - 32 mm
- 10 Sockets 1/2 "deep BFD: SW 12.11.13 - 14 - 15-16 - 17 - 18 - 19 - 22 mm
- 8 Sockets 1/2 "for internal TX screws: SW 11.10.12 - 14 - EUR16 and EUR18 - 20-24
- 2 spark plug sockets 1/2 ": SW 16 and 21 mm
- 2 extensions 1.2 ": 125 and 250 mm
- 1 universal joint 1/2 "
- 1 bit adapter 2.1 "for 10 mm bits
- 12 bits 10 mm Ribe: M 4 - 5 - 6 - 7 - 8 - 9 - 10/11/12 - 13 - 14-16
- 5 Bits 10 mm for indoor 6-head screws: SW 7 - 08/10/12 - 14 mm
- 3 bits 10 mm longitudinal slit: 10/08/12 mm
- 2 bits 10 mm Phillips PH 3 - PH 4
- 6 Bits 10 mm for interior screws TX: TX 40-45 - 50-55 - 60-70
- 6 Bits 10 mm for inner-TX-head screw hole: TR 40-45 -50 - 55 - 60-70
- 5 Bits 10 mm for multi-tooth screws: XZN 5 - 6 - 8/10/12
- 9 Keys for indoor 6-head screws: Size 1.5 - 2 - 2.5 to 3 - 4 - 5 - 6 - 8 - 10 mm

Title	Drive	PU Piece	Article No.
TOOL SET 151 BFD SB	/ 6KT	1	198482
AGR: 03.018			
Accessories Available		PU Piece	Article No.
SMART-BOX XL		1	188017

INTERNAL/Approved (2019-03-22 16:32:43)

Disc Ratchet Wrench 1/2"

Characteristics

- 72 teeth, fine-toothed with 5° ratchet angle - suitable for working in narrow and hard-to-reach places



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Ratchet with Disc Reverse	1/2"	250 mm	72	1	057609
AGR: 03.022					
Spare Parts				PU Piece	Article No.
Berner Disc Ratchet Wrench Repair Set 1/2" 72 Z				1	049673

Lever Ratchet with lock 1/2"

- Workshop-specific forward / reverse switch easily and quickly easily with only one finger on the lever, even with greasy hands possible
- Secure locking of the Sockets over ball, solution via push button with one finger

Characteristics

- 36 teeth



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Lever Ratchet with lock 1/2"	1/2"	255 mm	36	1	121787
AGR: 03.022					
Spare Parts				PU Amount	Article No.
Repair Kits for Ratchet Wrenches 1/4", 3/8", 1/2", 3/4"				1	121790

INTERNAL/Approved (2019-03-22 16:32:51)

Lever Ratchet with lock 1/2" 60 T

- Reverse switch easily and quickly easily with only one finger on the lever
- Secure locking of the Sockets over ball, solution via push button with one finger
- fine toothed
- 3-K-Handle
- Ergonomic desgin

Characteristics

- weight 524 g



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Lever Ratchet with lock 1/4" 60 T	1/2"	253 mm	60	1	210480

AGR: 03.029

Spare Parts

	PU Amount	Article No.
REPAIR KIT 60 T RATCHET 1/2"	1	213257

One Hand Switch Ratchet 1/2"

- Switch between left-hand rotation and right-hand rotation with only one hand possible
- Very slim construction and finely toothed, well applicable at tight space conditions
- The ratchet head is 30% slimmer than common ratchets
- 30% lighter weight
- Safe locking mechanism of the spanner socket through a ball, release through pushing the button with one finger
- Ergonomical fatigue-free handle



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
ONE HAND SWITCH RATCHET 1/2"	1/2"	245 mm	60	1	155497

AGR: 03.022

Spare Parts

	PU Piece	Article No.
REPAIR KIT ONE HAND SWITCH 1/2	1	155535

INTERNAL/Approved (2019-03-22 16:32:55)

Socket spanners, rachets, spanners

Telescopic Pivot Head Ratchet 1/2"

- Considerably higher power transmission due to the telescopic bar which is extendable and firmly-lockable in several levels
- Reaches extreme locations by means of its 180°-pivotable, firmly-lockable, very slim joint head and extendable telescopic bar
- Enables simple and rapid right/left wrench switching with the lever, can be used even with greasy hands without any problems
- Secure ball locking prevents loss of socket wrench inserts, separation with one finger through the push-button
- Comfortable and non-slip handling by means of 2-component handle



Characteristics

- 72 teeth, fine-toothed with 5° ratchet angle - suitable for working in narrow and hard to reach places

Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Telescopic Joint Head Ratchet	1/2"	290 - 490 mm	72	1	061906
AGR: 03.022					
Spare Parts				PU Amount	Article No.
Berner Telescopic Joint Head Ratchet Repair Set 1/2"				1	089706

Ratchet Reversible

- Easy solide ratchet with a resettable square:Solide ratchet mechanism, because no switch needed



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
RATCHET REVERSIBLE	1/2"	250 mm	24	1	065102

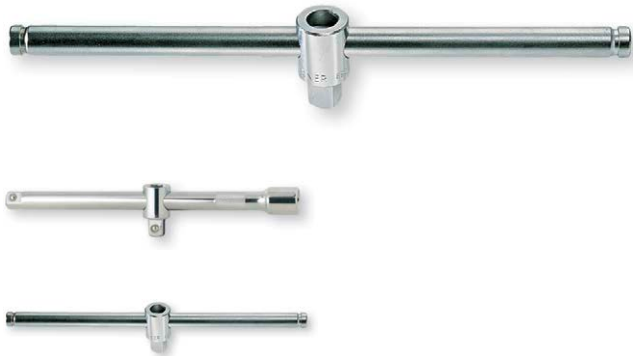
AGR: 03.022

INTERNAL/Approved (2019-03-22 16:33:07)

Sliding T-Handle 1/2"

Characteristics

- DIN 3122-compliant chrome vanadium steel



Title	Drive	Length	PU Piece	Article No.
Sliding T-Handle	4KT 1/2"	250 mm	1	175832
Sliding T-bar	4KT 1/2"	275 mm	1	890910

AGR: 03.017

Extensions 1/2"

Characteristics

- DIN 3123-compliant, chrome vanadium steel, matt chrome, chrome matt



Title	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Extension	1/2 "	4KT	125 mm	1	890928
Extension	1/2 "	4KT	250 mm	1	890936
Wobble extension	1/2 "	4KT	500 mm	1	105788
Wobble extension	1/2 "	4KT	75 mm	1	105787
S.210S EXTENSION 130 MM	1/2 "	4KT	130 mm	1	884387

AGR: 03.017 / 03.410

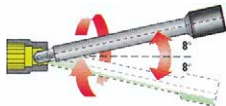
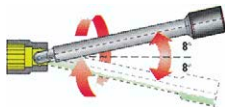
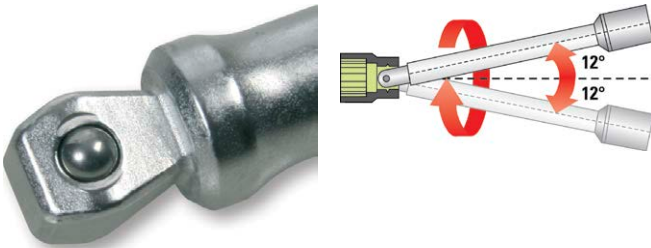
INTERNAL/Approved (2019-03-22 16:33:13)

Extensions 1/2"

- 2 functions through two stages top
- 1.stage, straight and tight fit of the Socket
- 2. stage, swirl the Socket to 12 ° for hard to reach places

Characteristics

- Swiveled by 12 ° to each side



Title	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Wobble extension	1/2 "	4KT	50 mm	1	033507

AGR: 03.017

Auto Lockable Extension 1/2"

- 6-socket on the drive with SW 22 - For use with a fork or ring spanner
- Auto Lock System - makes the socket wrench is held securely on the extension. No lose the socket wrench in inaccessible places
- To securely lock the socket onto the extension and no second hand is needed
- To be used in conjunction with the Auto Lock universal joint very well in inaccessible places
- Knurling on the handle to also be able to quickly unscrew by hand and for a secure fit



Title	Drive shape	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Auto lockable Extension 1/2"	4KT	1/2 "	4KT	250 mm	1	129640

AGR: 03.017

Univeral Joint 1/2"

Characteristics

- DIN 3123-compliant, chrome vanadium steel, chrome-vanadium steel



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Universal joint	1/2 "	4KT	1/2 "	75 mm	1	890952

AGR: 03.017

INTERNAL/Approved (2019-03-22 16:33:27)

Socket spanners, rachets, spanners

Auto Lockable Uni Joint 1/2"

- Auto Lock System - makes the socket wrench is held securely on the universal joint. No lose the socket wrench in inaccessible places
- To securely,lock the socket wrench on the universal joint, no second hand is needed
- To be used in conjunction with the Auto Lock extension very well in inaccessible places



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
AUTO LOCKABLE UNI JOINT 1/2"	4KT	1/2 "	4KT	1/2 "	110 mm	1	129637

AGR: 03.017

Clamping bar 1/2"

Technical Data

Drive Size Inch	1/2 "
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Title	Length	PU Piece	Article No.
Clamping bar 1/2"	413 mm	1	042552

AGR: 03.017

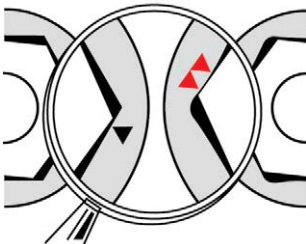
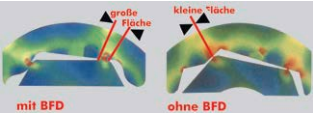


Hex Sockets, BFD, 1/2"

- Socket Wrench Inserts (apart from Hazet versions) with Berner Flanke Drive (BFD) for a considerably greater contact area with the screw connection

Characteristics

- DIN 3124-compliant, chrome vanadium steel



INTERNAL/Approved (2019-03-22 16:33:35)

Socket spanners, rachets, spanners

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Hex Socket Wrench Insert	1/2 "	6KT	10 mm	38 mm	1	155958
Hex Socket Wrench Insert	1/2 "	6KT	11 mm	38 mm	1	155959
Hex Socket Wrench Insert	1/2 "	6KT	12 mm	38 mm	1	155960
Hex Socket Wrench Insert	1/2 "	6KT	13 mm	38 mm	1	155961
Hex Socket Wrench Insert	1/2 "	6KT	14 mm	38 mm	1	155962
Hex Socket Wrench Insert	1/2 "	6KT	15 mm	38 mm	1	155963
Hex Socket Wrench Insert	1/2 "	6KT	16 mm	38 mm	1	155964
Hex Socket Wrench Insert	1/2 "	6KT	17 mm	38 mm	1	155965
Hex Socket Wrench Insert	1/2 "	6KT	18 mm	38 mm	1	155966
Hex Socket Wrench Insert	1/2 "	6KT	19 mm	38 mm	1	155967
Hex Socket Wrench Insert	1/2 "	6KT	20 mm	38 mm	1	155968
Hex Socket Wrench Insert	1/2 "	6KT	21 mm	38 mm	1	155970
Hex Socket Wrench Insert	1/2 "	6KT	22 mm	38 mm	1	155971
Hex Socket Wrench Insert	1/2 "	6KT	23 mm	40 mm	1	155972
Hex Socket Wrench Insert	1/2 "	6KT	24 mm	40 mm	1	155973
Hex Socket Wrench Insert	1/2 "	6KT	26 mm	43 mm	1	155975
Hex Socket Wrench Insert	1/2 "	6KT	27 mm	43 mm	1	155976
Hex Socket Wrench Insert	1/2 "	6KT	28 mm	43 mm	1	155978
Hex Socket Wrench Insert	1/2 "	6KT	30 mm	45 mm	1	155980
Hex Socket Wrench Insert	1/2 "	6KT	32 mm	45 mm	1	155981

AGR: 03.012

Socket spanners, rachets, spanners

Sockets, 6-edge, 1/2 "long



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	10 mm	77 mm	1	171399
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	11 mm	77 mm	1	171398
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	12 mm	77 mm	1	171397
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	13 mm	77 mm	1	171396
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	14 mm	77 mm	1	171395
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	15 mm	77 mm	1	171394
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	16 mm	77 mm	1	171393
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	17 mm	77 mm	1	171392
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	18 mm	77 mm	1	171391
Extra Deep Hex Socket Wrench Insert	1/2 "	6KT	19 mm	77 mm	1	171390
B 1492 SKET SPANN. INS.1/2 22L	1/2 "	6KT	22 mm	77 mm	1	057065

AGR: 03.012

12-Sided Sockets, 1/2"

Characteristics

- Chrome vanadium steel



Title	Drive Size Inch	Output shape	Output Drive Size mm	PU Piece	Article No.
12-Sided Socket	1/2 "	12KT	8 mm	1	120251
12-Sided Socket	1/2 "	12KT	9 mm	1	105732
12-Sided Socket	1/2 "	12KT	10 mm	1	120260
12-Sided Socket	1/2 "	12KT	11 mm	1	206369
12-Sided Socket	1/2 "	12KT	12 mm	1	120278
12-Sided Socket	1/2 "	12KT	13 mm	1	206377
12-Sided Socket	1/2 "	12KT	14 mm	1	180840
12-Sided Socket	1/2 "	12KT	15 mm	1	192740
12-Sided Socket	1/2 "	12KT	16 mm	1	217794

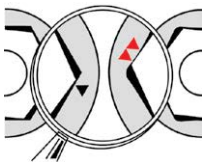
INTERNAL/Approved (2019-03-22 16:34:00)

Socket spanners, rachets, spanners

Title	Drive Size Inch	Output shape	Output Drive Size mm	PU Piece	Article No.
12-Sided Socket	1/2 "	12KT	17 mm	1	217808
12-Sided Socket	1/2 "	12KT	18 mm	1	065951
12-Sided Socket	1/2 "	12KT	19 mm	1	192759
12-Sided Socket	1/2 "	12KT	20 mm	1	137832
12-Sided Socket	1/2 "	12KT	21 mm	1	137833
12-Sided Socket	1/2 "	12KT	22 mm	1	192767
12-Sided Socket	1/2 "	12KT	23 mm	1	193950
12-Sided Socket	1/2 "	12KT	24 mm	1	194123
12-Sided Socket	1/2 "	12KT	27 mm	1	137834
12-Sided Socket	1/2 "	12KT	30 mm	1	137831
SKET SPANNINS 1/2 32 MM SHORT	1/2 "	12KT	32 mm	1	175506

AGR: 03.012

Extra Deep 12-Sided Sockets, 1/2"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
SKET SPANN.INS 1/2 10MM	1/2 "	12KT	10 mm	77 mm	1	174498
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	12 mm	77 mm	1	331112
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	13 mm	77 mm	1	134017
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	14 mm	77 mm	1	332224
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	15 mm	77 mm	1	124184
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	16 mm	77 mm	1	370819
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	17 mm	77 mm	1	292389
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	18 mm	77 mm	1	181480
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	19 mm	77 mm	1	296988
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	21 mm	77 mm	1	411388

INTERNAL/Approved (2019-03-22 16:34:09)

Socket spanners, rachets, spanners

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	22 mm	77 mm	1	319775
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	24 mm	77 mm	1	319783
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	27 mm	77 mm	1	192147
Extra Deep 12-Sided Socket Wrench Insert	1/2 "	12KT	30 mm	77 mm	1	317039
SKET SPANN.INS 1/2 32MM	1/2 "	12KT	32 mm	77 mm	1	174499

AGR: 03.012

3

Socket Wrench 1/2"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
L socket wrench insert bit	1/2 "	E	10 mm	36 mm	1	175813
L socket wrench insert bit	1/2 "	E	11 mm	36 mm	1	175814
L socket wrench insert bit	1/2 "	E	12 mm	36 mm	1	175815
L socket wrench insert bit	1/2 "	6KT	13 mm	36 mm	1	175816
L socket wrench insert bit	1/2 "	E	14 mm	36 mm	1	175817
L socket wrench insert bit	1/2 "	6KT	15 mm	36 mm	1	175818
L socket wrench insert bit	1/2 "	E	16 mm	36 mm	1	175819
L socket wrench insert bit	1/2 "	6KT	17 mm	36 mm	1	175820
L socket wrench insert bit	1/2 "	6KT	18 mm	36 mm	1	175821
L socket wrench insert bit	1/2 "	E	19 mm	36 mm	1	175822
L socket wrench insert bit	1/2 "	6KT	20 mm	36 mm	1	175823
L socket wrench insert bit	1/2 "	6KT	21 mm	36 mm	1	175824
L socket wrench insert bit	1/2 "	6KT	22 mm	36 mm	1	175825
L socket wrench insert bit	1/2 "	6KT	24 mm	36 mm	1	175826
L socket wrench insert bit	1/2 "	6KT	27 mm	36 mm	1	175827
L socket wrench insert bit	1/2 "	6KT	30 mm	36 mm	1	175828
L socket wrench insert bit	1/2 "	6KT	32 mm	36 mm	1	175829

AGR: 03.012

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Extra Deep Sockets, L-Socket, 1/2"



Title	Drive Size Inch	Output Drive Size mm	Length	PU Piece	Article No.
L-Socket Wrench insert	1/2 "	11 mm	76 mm	1	049967
L-Socket Wrench insert	1/2 "	12 mm	76 mm	1	049969
L-Socket Wrench insert	1/2 "	13 mm	76 mm	1	049917
L-Socket Wrench insert	1/2 "	14 mm	76 mm	1	049968
L-Socket Wrench insert	1/2 "	15 mm	76 mm	1	049970
L-Socket Wrench insert	1/2 "	16 mm	76 mm	1	049971
L-Socket Wrench insert	1/2 "	17 mm	76 mm	1	049972
L-Socket Wrench insert	1/2 "	18 mm	76 mm	1	049973
L-Socket Wrench insert	1/2 "	19 mm	76 mm	1	049974
L-Socket Wrench insert	1/2 "	22 mm	76 mm	1	049976

AGR: 03.012

Magnetic Spark Plug Socket Wrench

- Permanent magnet in the socket helps prevent spark plugs from falling out
- Knurling for easier positioning

Application Area

- For spark plugs

Characteristics

- With rubber insert



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Magnetic Socket Wrench	1/2 "	6KT	16 mm	65 mm	1	215260
Magnetic Socket Wrench	1/2 "	6KT	20.8 mm	65 mm	1	215279

AGR: 03.012

Accessories Available

	PU Piece	Article No.
Enlargement 1/2" to 3/8"	1	064122

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Socket Wrench for Spark Plug

- With a holding device in the socket wrench, to prevent the unintentionally drop out of the spark plug
- Knurling for easy positioning

Characteristics

- Top end knurled for quick positioning, holding device for the spark plug, long socket wrench for low-lysing spark plugs



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
B.S16A1 SKT SPA.F.SPARK PL 1/2	1/2 "	6KT	16 mm	90 mm	1	907243
B.S16A2 SKT SPA.F.SPARK PL 1/2	1/2 "	6KT	16 mm	250 mm	1	907251
B.S18A1 SKT SPA.F.SPARK PL 1/2	1/2 "	6KT	18 mm	90 mm	1	907278

AGR: 03.410

Set of Socket Wrench, TX, 1/2", 3/8", 1/4", 25-pieces

Application Area

- Interior and exterior TX-coil

Scope Of Delivery

- Inner TX: TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55
- TX 60
- Outer-TX: E 4, E 5, E 6, E 8, E 10, E 12, E 14, E 18, E 20, E 24
- Connecting part for use: 1/4" x 3/8", 5/16" x 1/2"
- Strength-bit applications: 110 mm : TX 25, TX 40, TX 45, TX 55



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Socket spanners, rachets, spanners

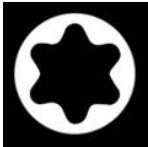
Title	PU Piece	Article No.
TX Socket Wrench Set, 25-piece	1	106149

AGR: 03.018

Sockets 1/2" TX

Characteristics

- Chrome-Vanadium-steel



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Inner-TX Socket Wrench Insert, long	4KT	1/2 "	TX	20 mm	124 mm	1	115452
Inner-TX Socket Wrench Insert, long	4KT	1/2 "	TX	25 mm	124 mm	1	115453
Inner-TX Socket Wrench Insert, long	4KT	1/2 "	TX	27 mm	124 mm	1	115451
Inner-TX Socket Wrench Insert, long	4KT	1/2 "	TX	30 mm	124 mm	1	115450
Inner-TX Socket Wrench Insert, long	4KT	1/2 "	TX	40 mm	124 mm	1	115446
Inner-TX Socket Wrench Insert, long	4KT	1/2 "	TX	45 mm	124 mm	1	115444
Inner-TX Socket Wrench Insert, long	4KT	1/2 "	TX	50 mm	124 mm	1	115454
Inner-TX Socket Wrench Insert, long	4KT	1/2 "	TX	55 mm	124 mm	1	115437

AGR: 03.012

Outer E-TX Sockets, 1/2"

Characteristics

- Chrome vanadium steel



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Outer TX Socket Wrench Insert	4KT	1/2 "	E-TX	10 mm	38 mm	1	261157
Outer TX Socket Wrench Insert	4KT	1/2 "	E-TX	12 mm	38 mm	1	261165
Outer TX Socket Wrench Insert	4KT	1/2 "	E-TX	14 mm	38 mm	1	105799
Outer TX Socket Wrench Insert	4KT	1/2 "	E-TX	16 mm	38 mm	1	363251
Outer TX Socket Wrench Insert	4KT	1/2 "	E-TX	18 mm	38 mm	1	105800
Outer TX Socket Wrench Insert	4KT	1/2 "	E-TX	20 mm	38 mm	1	105801
Outer TX Socket Wrench Insert	4KT	1/2 "	E-TX	24 mm	40 mm	1	105802

AGR: 03.012

INTERNAL/Approved (2019-03-22 16:35:05)

Socket Wrench Insert 1/2"



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Outer TX Socket Wrench Insert, long	1/2 "	E	10 mm	77 mm	1	171389
Outer TX Socket Wrench Insert, long	1/2 "	E	11 mm	77 mm	1	171388
Outer TX Socket Wrench Insert, long	1/2 "	E	12 mm	77 mm	1	171387
Outer TX Socket Wrench Insert, long	1/2 "	E	14 mm	77 mm	1	171386
Outer TX Socket Wrench Insert, long	1/2 "	E	16 mm	77 mm	1	171385
Outer TX Socket Wrench Insert, long	1/2 "	E	18 mm	77 mm	1	171384

AGR: 03.012

Hard Foam Inlet with Socket, Inner-TX 1/2" Short

Characteristics

- Execution dull chrome plated. With knurl at the base. For manual operation. High-quality 5 / 16 "bit for higher breaking torque, tough and hard material for the highest standards. With ball retaining groove. Made in USA.

Scope Of Delivery

- 1 x TX socket wrench inserts: TX20 - TX25 - TX27 - TX30 - TX40 - TX45 - TX50 - TX55 - TX60



Socket spanners, rachets, spanners

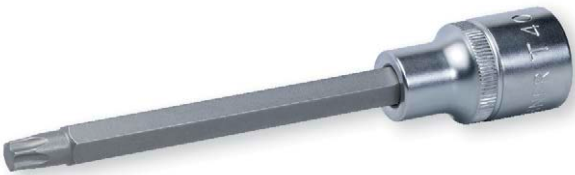


Title	Outside dimension W x H x D	PU Piece	Article No.
I-TX SET 1/2 9PC	110 x 33 x 337 mm	1	101030
AGR: 03.018			
Scope Of Supply		Piece	Article No.
Empty Hard foam insert wit socket, Inner-TX 1/2" Short		1	116512
Inner TX 20 Socket Wrench Insert 1/2" short		1	101021
Inner TX 25 Socket Wrench Insert 1/2" short		1	101022
Inner TX 27 Socket Wrench Insert		1	101023
Inner TX 30 Socket Wrench Insert 1/2" short		1	101024
Inner TX 40 Socket Wrench Insert 1/2" short		1	101025
Inner TX 45 Socket Wrench Insert 1/2" short		1	101026
Inner TX 50 Socket Wrench Insert 1/2" short		1	101027
SKET. Spanner I-TX T55 1/2 59		1	187182
SKET. Spanner I-TX T60 1/2 59		1	187181
Related Products		PU Amount	Article No.
Inner TX Socket Wrench Insert 1/2" T70 short		1	136382

Hard Foam Inlets with Socket, Inner TX 1/2" Short and Long

Scope Of Delivery

- Short Design:  
TX20 - TX25 - TX27 - TX30 - TX40 - TX45 - TX50 - TX55 - TX60
- Long Design:  
TX20 - TX25 - TX27 - TX30 - TX40 - TX45 - TX50 - TX55



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Socket spanners, rachets, spanners



3

Title	Outside dimension W x H x D	PU Piece	Article No.
I-TX SET 1/2 17PC	226 x 33 x 331 mm	1	116507

AGR: 03.018

Scope Of Supply

	Piece	Article No.
Inner TX 20 Socket Wrench Insert 1/2" short	1	101021
Inner TX 25 Socket Wrench Insert 1/2" short	1	101022
Inner TX 27 Socket Wrench Insert	1	101023
Inner TX 30 Socket Wrench Insert 1/2" short	1	101024
Inner TX 40 Socket Wrench Insert 1/2" short	1	101025
Inner TX 45 Socket Wrench Insert 1/2" short	1	101026
Inner TX 50 Socket Wrench Insert 1/2" short	1	101027
SKET. Spanner I-TX T55 1/2 59	1	187182
SKET. Spanner I-TX T60 1/2 59	1	187181
Inner-TX Socket Wrench Insert, long TX 1/2" T20	1	115452
Inner-TX Socket Wrench Insert, long 1/2" TX27	1	115453
Inner-TX Socket Wrench Insert, long 1/2" T27	1	115451
Inner-TX Socket Wrench Insert, long 1/2" T30	1	115450
Inner-TX Socket Wrench Insert, long T40 1/2"	1	115446
Inner-TX Socket Wrench Insert, long T45 1/2"	1	115444
Inner-TX Socket Wrench Insert, long T50 1/2"	1	115454
Inner-TX Socket Wrench Insert, long T55 1/2"	1	115437

Related Products

	PU Amount	Article No.
Inner TX Socket Wrench Insert 1/2" T70 short	1	136382

INTERNAL/Approved (2019-03-22 16:35:24)

Sockets 1/2" TX

Characteristics

- Chrome-Vanadium-steel



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Inner TX Socket Wrench Insert	1/2 "	TX	20 mm	59 mm	1	101021
Inner TX Socket Wrench Insert	1/2 "	TX	25 mm	59 mm	1	101022
Inner TX Socket Wrench Insert	1/2 "	TX	27 mm	59 mm	1	101023
Inner TX Socket Wrench Insert	1/2 "	TX	30 mm	59 mm	1	101024
Inner TX Socket Wrench Insert	1/2 "	TX	40 mm	59 mm	1	101025
Inner TX Socket Wrench Insert	1/2 "	TX	45 mm	59 mm	1	101026
Inner TX Socket Wrench Insert	1/2 "	TX	50 mm	59 mm	1	101027
SKET SPANN. I-TX T55 1/2 59	1/2 "	TX	55 mm	59 mm	1	187182
SKET SPANN. I-TX T60 1/2 59	1/2 "	TX	60 mm	59 mm	1	187181
Inner TX Socket Wrench Insert	1/2 "	TX	70 mm	100 mm	1	136382

AGR: 03.012

Socket Wrench Inserts, Serration, from Short to Extra Long, XZN, 1 / 2 "

- Long design also for subjacent screws

Application Area

- Resetting (pressing and rotating) in brake pistons floating caliper
- systems with or without a hand brake locking device

Characteristics

- Provided with ratchet function for fast work



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Socket spanners, rachets, spanners



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Socket	1/2 "	XZN	5 mm	55 mm	1	213853
Socket Wrench Inserts, Serration	1/2 "	XZN	6 mm	110 mm	1	048567
Socket	1/2 "	XZN	6 mm	55 mm	1	213845
Socket	1/2 "	XZN	8 mm	100 mm	1	213900
Socket	1/2 "	XZN	8 mm	55 mm	1	213837
Cylinder Head Socket Wrench Insert M9	1/2 "	XZN	9 mm	140 mm	1	175784
Socket	1/2 "	XZN	10 mm	100 mm	1	213896
Socket	1/2 "	XZN	10 mm	120 mm	1	213861
Socket	1/2 "	XZN	10 mm	55 mm	1	213829
Socket	1/2 "	XZN	12 mm	100 mm	1	213888
Socket	1/2 "	XZN	12 mm	140 mm	1	213870
Socket	1/2 "	XZN	12 mm	55 mm	1	213810
Socket	1/2 "	XZN	14 mm	55 mm	1	002022
Socket	1/2 "	XZN	14 mm	110 mm	1	004924
Socket Wrench Inserts, Serration	1/2 "	XZN	16 mm	55 mm	1	048570
Socket Span, cyl. head M18/85	1/2 "	XZN	18 mm	85 mm	1	099920

AGR: 03.012

Inner Hex Sockets, 1/2" in SMART-Box

Scope Of Delivery

- Wrench size 4 - 5 - 6 - 7 - 8 - 10 - 12 - 14 - 17 mm

Title	PU Piece	Article No.
Hex Socket Wrench Insert, 9-piece	1	052694

AGR: 03.018

Scope Of Supply	Piece	Article No.
Socket 1/2" 4 mm	1	235652
Socket 1/2" 5 mm	1	235660
Socket 1/2" 6 mm	1	235679
Socket 1/2" 7 mm	1	307327
Socket 1/2" 8 mm	1	235687
Socket 1/2" 10 mm	1	213721
Socket 1/2" 12 mm	1	213713
Socket 1/2" 14 mm	1	213705
Socket 1/2" 17 mm	1	213691

Related Products	PU Piece	Article No.
Socket wrench insert, Allen 6-sided SW9/55mm	1	089704
Socket 1/2" 19 mm	1	213683



Socket Wrench Inserts, Internal Hexagon, Long  
/ Extra Long, 1 / 2 "



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Socket	4KT	1/2 "	I6KT	5 mm	180 mm	1	214027
Socket	4KT	1/2 "	I6KT	6 mm	140 mm	1	214035
Socket	4KT	1/2 "	I6KT	6 mm	160 mm	1	213993
Socket	4KT	1/2 "	I6KT	7 mm	100 mm	1	214043
Socket	4KT	1/2 "	I6KT	8 mm	80 mm	1	214019
Socket	4KT	1/2 "	I6KT	8 mm	120 mm	1	213985
SKT HD.SKT SPANN. 9 1/2 LG	4KT	1/2 "	I6KT	9 mm	140 mm	1	207745

5-Star Sockets



3

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
5-STAR-SOCKET 1/2" SW10 55MM	1/2 "	5-Star	10 mm	55 mm	1	109729
5-STAR-SOCKET 1/2" SW14 70MM	1/2 "	5-Star	14 mm	70 mm	1	109731
5-STAR-SOCKET 1/2" SW19 38MM	1/2 "	5-Star	19 mm	38 mm	1	109730

AGR: 03.419

Power socket wrench insert, short hex

Characteristics

- Chrome-vanadium-special steel, according to DIN 3129, impact resistant, manual and machinery operation, very short construction



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
B-SHORT IMPACT SOCKET 1/2" 13	4KT	1/2 "	6KT	13 mm	28.2 mm	1	184915
B-SHORT IMPACT SOCKET 1/2" 17	4KT	1/2 "	6KT	17 mm	28.2 mm	1	184916
B-SHORT IMPACT SOCKET 1/2" 19	4KT	1/2 "	6KT	19 mm	28.2 mm	1	184917
B-SHORT IMPACT SOCKET 1/2" 21	4KT	1/2 "	6KT	21 mm	28.2 mm	1	184918
B-SHORT IMPACT SOCKET 1/2" 22	4KT	1/2 "	6KT	22 mm	28.2 mm	1	184919
B-SHORT IMPACT SOCKET 1/2" 24	4KT	1/2 "	6KT	24 mm	28.2 mm	1	184920

AGR: 03.012

INTERNAL/Approved (2019-03-22 16:36:04)

1/2" Impact Sockets

- Chrome-Vanadium steel, burnished

Characteristics

- According to DIN 3129, impact resistant, for manual and machinery operation



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
POWER INSERT 220 1/2" 10	1/2 "	6KT	10 mm	38 mm	1	133879
Hex Power Socket Wrench Insert	1/2 "	6KT	13 mm	38 mm	1	070041
Hex Power Socket Wrench Insert	1/2 "	6KT	15 mm	38 mm	1	117744
Hex Power Socket Wrench Insert	1/2 "	6KT	16 mm	38 mm	1	355950
Hex Power Socket Wrench Insert	1/2 "	6KT	17 mm	38 mm	1	070076
Hex Power Socket Wrench Insert	1/2 "	6KT	18 mm	38 mm	1	355968
Hex Power Socket Wrench Insert	1/2 "	6KT	19 mm	38 mm	1	070084
Hex Power Socket Wrench Insert	1/2 "	6KT	21 mm	38 mm	1	133884
Hex Power Socket Wrench Insert	1/2 "	6KT	22 mm	38 mm	1	070092
Hex Power Socket Wrench Insert	1/2 "	6KT	24 mm	45 mm	1	070106
Hex Power Socket Wrench Insert	1/2 "	6KT	27 mm	50 mm	1	133888
Hex Power Socket Wrench Insert	1/2 "	6KT	30 mm	50 mm	1	133891
Hex Power Socket Wrench Insert	1/2 "	6KT	32 mm	50 mm	1	133893

AGR: 03.012

INTERNAL/Approved (2019-03-22 16:36:09)

1/2" Deep Impact Sockets

- Chrome-Vanadium steel, burnished

Characteristics

- According to DIN 3129, impact resistant, for manual and machinery operation



3

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	13 mm	78 mm	1	213799
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	15 mm	78 mm	1	117743
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	16 mm	78 mm	1	133875
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	17 mm	78 mm	1	177717
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	18 mm	78 mm	1	133877
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	19 mm	78 mm	1	177725
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	21 mm	78 mm	1	192295
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	22 mm	78 mm	1	213780
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	24 mm	78 mm	1	213772
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	27 mm	78 mm	1	213764
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	30 mm	78 mm	1	134895
Extra Deep Hex Power Socket Wrench Insert	1/2 "	6KT	32 mm	78 mm	1	134896

AGR: 03.012

Impact Nuts Set 1/2"

Scope Of Delivery

- Impact nuts set with 10 pieces including: SW 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 - 24 - 27 mm



Title	PU Piece	Article No.
IMPACT NUTS SET 1/2" 10-PCS.	1	141515

AGR: 03.012

INTERNAL/Approved (2019-03-22 16:36:24)

Set of 3 Impact Socket's Premium

- Fast identification of sizes by color coding
- Protect the wheel by sheathing with a plastic sleeve which surrounds the nut and the front
- Extra long version
- Very resilient and durable
- Specially rounded corners, thereby the recorded Force is better distributed

Application Area

- Tire change, especially with aluminum wheels



Title	Drive	PU Piece	Article No.
Premium Impact Socket Set 3 pcs	4KT 1/2" / 6KT	1	245246

AGR: 03.018

Scope Of Supply	Amount	Article No.
Premium Impact Socket	1	245242
Premium Impact Socket	1	245241
Premium Impact Socket	1	245240

Set of 6 Impact Socket's Premium

- Fast identification of sizes by color coding
- Protect the wheel by sheathing with a plastic sleeve which surrounds the nut and the front
- Extra long version
- Very resilient and durable
- Specially rounded corners, thereby the recorded Force is better distributed

Application Area

- Tire change, especially with aluminum wheels



Title	Drive	PU Piece	Article No.
Premium Impact Socket Set 6 pcs	1/2" / 6KT	1	245247

AGR: 03.018



Mercedes Benz

INTERNAL/Approved (2019-03-22 16:36:32)

Socket spanners, rachets, spanners

Scope Of Supply	Amount	Article No.
Premium Impact Socket, Smart	1	245245
Premium Impact Socket	1	245242
Premium Impact Socket, MB	1	245244
Premium Impact Socket	1	245241
Premium Impact Socket	1	245240
Premium Impact Socket, Opel	1	245239

Impact Socket's Premium

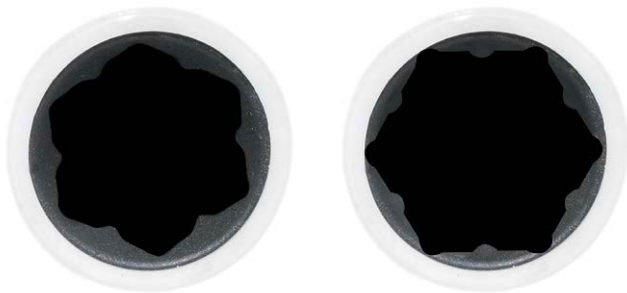
- Fast identification of sizes by color coding
- Protect the wheel by sheathing with a plastic sleeve which surrounds the nut and the front
- Extra long version
- Very resilient and durable
- Specially rounded corners, thereby the recorded Force is better distributed

Application Area

- Tire change, especially with aluminum wheels



3



Mercedes Benz

Kia / Hyundai

Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Premium Impact Socket, Smart	4KT	1/2 "	6KT	15 mm	88 mm	1	245245
Premium Impact Socket	4KT	1/2 "	6KT	17 mm	88 mm	1	245242
Premium Impact Socket, MB	4KT	1/2 "	6KT	17 mm	88 mm	1	245244
Premium Impact Socket	4KT	1/2 "	6KT	19 mm	88 mm	1	245241
Premium Impact Socket	4KT	1/2 "	6KT	21 mm	88 mm	1	245240
Premium Impact Socket, KIA / Hyundai	4KT	1/2 "	6KT	21 mm	88 mm	1	358298
Premium Impact Socket, Opel	4KT	1/2 "	6KT	22 mm	88 mm	1	245239

AGR: 03.012

INTERNAL/Approved (2019-03-22 16:36:36)

Socket spanners, rachets, spanners

Related Products	PU Amount	Article No.
Premium Impact Socket Set 3 pcs	1	245246
Premium Impact Socket Set 6 pcs	1	245247
Premium Impact Socket Set 6 pcs	1	245170

Impact socket Set 1/2" Slim

- With a plastic coating to prevent damage on the aluminium rims
- Steel ring, for achieving higher torque
- Color coded
- Especially slim design



Title	Drive	PU Piece	Article No.
IMPACT-SOCKET SET SLIMPOWER	1/2" / 6KT	1	183967

AGR: 03.012

Impact Socket 1/2", Smart

Application Area

- Specifically for SMART



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	Color	PU Piece	Article No.
Power Socket Wrench Insert for Wheel Bolts	1/2 "	6KT	15 mm	85 mm	Green	1	005291

AGR: 03.012

INTERNAL/Approved (2019-03-22 16:36:40)

Impact Nuts Set

Scope Of Delivery

- Impact nuts set including:  
SW 17 - 19 - 21 mm

Title	PU Piece	Article No.
IMPACT NUTS SET 3-PCS.	1	157331

AGR: 03.012

Scope Of Supply	Piece	Article No.
Extra Deep Hex Power Socket Wrench Insert 6-sided 1/2" 17 mm	1	177717
Extra Deep Hex Power Socket Wrench Insert 6-sided 1/2" 19 mm	1	177725
Extra Deep Hex Power Socket Wrench Insert 6-sided 1/2" 21 mm	1	192295



3

Impulse, Hinge and Axle Shaft Set, 4-piece

- Usable for impact wrenches
- Double 6-point 1/2"
- More high-grade chrome molybdenum steel
- Surface phosphatised

Application Area

- S 24 for activity of the cardan shaft screw joint VW Golf up to 2004, Touran up to 2004, Golf Plus up to 2006, Eos up to 2006, Scirocco up to 2009, Audi A3 up to 2004, TT up to 2007
- S 30 for axle shaft nut on VW Golf 4, Polo and New Beetle, Audi TT 1,8, Skoda Octavia, Superb, Fabia
- S 32 for use of the cardan shaft screw joint in the wheel hub on VW Touareg up to 2003, Audi A4 up to 2001, A6 up to 2005, A8 up to 2003, Q7 up to 2007
- S 36 for Axle Shaft Nuts on:
  - - BMW 3-er, 5-er, 7-er, Z3, M3, VW Polo up to 2001
  - - Seat Ibiza up to 2002
  - - VW Golf Plus 1,8 TDi up to 2005



Title	Content	Drive	PU Set	Article No.
Impulse, Hinge and Axle Shaft Set, 4-piece	4 PC	12KT 1/2" / 12KT	1	107412

AGR: 03.018

Scope Of Supply	Piece	Article No.
Power Socket Wrench 1/2" 12-sided SW 32	1	107410
Power Socket Wrench 1/2" 12-sided SW 24	1	106797
Power Socket Wrench 1/2" 12-sided SW 30	1	107411
Power Socket Wrench 1/2" 12-sided SW 36	1	107409

Spiral and Hexagon Set

- Solves the problem of worn wheel screws and wheel studs
- Long slim hexagon nuts, low lying wheel screws can be reached and opened without problems
- Across from the hexagonal is a cutting spiral, in order to loosen screws with a rounded hexagon head without problems
- The provided extension is inserted into the central square. Therefore the usage of the total lenght of the nut ist ensured
- Special (locked) wheel screews can be opened with the cutting spiral as well

Title	PU Piece	Article No.
SPIRAL AND HEXAGON SET	1	053754
AGR: 03.018		
Scope Of Supply	Piece	Article No.
Extension 1/2" 75mm	1	054133
Spiral Hexagonal Socket 17mm	1	054134
Spiral Hexagonal Socket 19mm	1	054135
Spiral Hexagonal Socket 21mm	1	054136



Torx Nut Set

Characteristics

- Extreme slender design

Scope Of Delivery

- Per piece:
  - E 6 x 28 mm x 3/8"
- E 8 x 28 mm x 3/8"
- E 10 x 38 mm x 1/2"
- E 12 x 38 mm x 1/2"
- E 14 x 38 mm x 1/2"
- E 6 x 63 mm x 3/8"
- E 8 x 63 mm x 3/8"
- E 10 x 77 mm x 1/2"
- E 12 x 77 mm x 1/2"
- E 14 x 77 mm x 1/2"



Title	Drive	PU Piece	Article No.
TX NUT SET EXTRA SLIM	TX / TX	1	020447

AGR: 03.419

Power Extension Bars 1/2"

Characteristics

- DIN 3121-compliant, shock-resistant, for manual and machine operation



Title	Drive Size Inch	Output shape	Length	Color	PU Piece	Article No.
Power Extension Bar	1/2 "	4KT	125 mm	-	1	151920
EXTENSION 1/2" 75MM	1/2 "	4KT	75 mm	black	1	054133

AGR: 03.012 / 03.017

# Power Universal Joint 1/2"

## Characteristics

- Shock-resistant, suitable for manual and machine operation



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Power Universal Joint	1/2 "	4KT	1/2 "	61 mm	1	133910

AGR: 03.017

# Wobble Adapter 1/2"

- Through pulling on the square the short extension is turned into a joint
- 360° pivoted and 20° inclinable



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
IP-WOBBLE-ADAPTER, 1/2"	4KT	1/2 "	4KT	1/2 "	62 mm	1	156728

AGR: 03.017

## Related Products

						PU Piece	Article No.
IP-Wobble Set 1/4", 3/8", 1/2"						1	156712

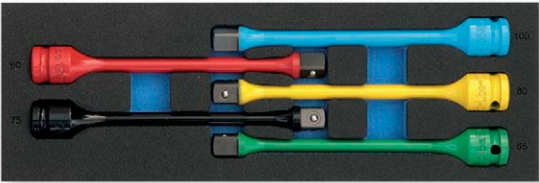
INTERNAL/Approved (2019-03-22 16:37:23)

Impact Torque Extension Set 1/2"

- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the accuracy of torque wrenches
- Absorbs too high torques and limited to the respective torque
- 1/2" square as output, thus usable for several sizes
- Suitable for impact wrench operation
- Color coding for better differentiation
- Supplied with size B foam insert
- Fits perfectly into the Bern workshop trolley thanks to the foam insert
- Very resilient and durable

Application Area

- Time-saving pretightening of wheel bolts and nuts with impact wrenches



Title	PU Piece	Article No.
Impact Torque Extension Set 1/2"	1	366696

AGR: 03.018

Scope Of Supply	Amount	Article No.
Impact Torque Extension	1	366699
Impact Torque Extension	1	366700
Impact Torque Extension	1	366701
Impact Torque Extension	1	366702
Impact Torque Extension	1	366697

Impact Torque Extension 1/2"

- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the accuracy of torque wrenches
- Absorbs too high torques and limited to the respective torque
- 1/2" square as output, thus usable for several sizes
- Suitable for impact wrench operation
- Color coding for better differentiation
- Very resilient and durable



INTERNAL/Approved (2019-03-22 16:37:28)

Socket spanners, rachets, spanners

Application Area

- Time-saving pretightening of wheel bolts and nuts with impact wrenches

Title	Tightening torque	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	Color	PU Piece	Article No.
Impact Torque Extension	90 Nm	4KT	1/2 "	4KT	1/2 "	180 mm	Green	1	366697
Impact Torque Extension	100 Nm	4KT	1/2 "	4KT	1/2 "	180 mm	black	1	366699
Impact Torque Extension	110 Nm	4KT	1/2 "	4KT	1/2 "	180 mm	Yellow	1	366700
Impact Torque Extension	120 Nm	4KT	1/2 "	4KT	1/2 "	180 mm	Red	1	366701
Impact Torque Extension	135 Nm	4KT	1/2 "	4KT	1/2 "	180 mm	Blue	1	366702

AGR: 03.015

Related Products

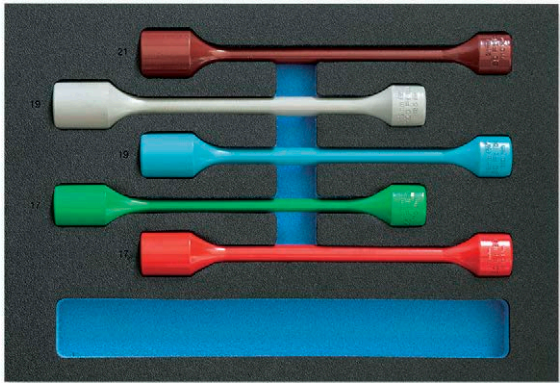
	PU Amount	Article No.
Impact Torque Extension Set 1/2"	1	366696

Impact Torque Socket Set 1/2"

- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the accuracy of torque wrenches
- Absorbs too high torques and limited to the respective torque
- Integrated with power sockets
- Suitable for impact wrench operation
- Color coding for better differentiation
- Supplied with size A foam insert
- Fits perfectly into the Bern workshop trolley thanks to the foam insertl
- Extra compartment in the foam insert for your own too
- Very resilient and durable

Application Area

- Time-saving pretightening of wheel bolts and nuts with impact wrenches



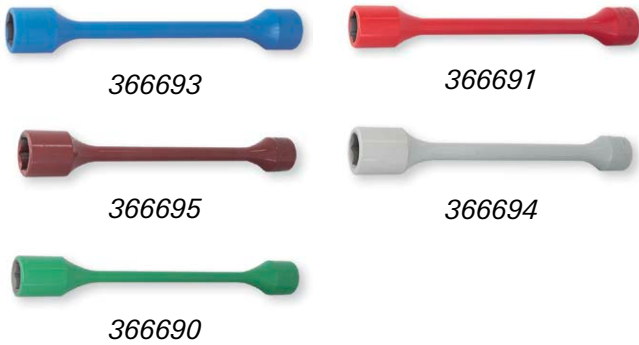
Title	PU Piece	Article No.
Torque Impact Socket Set 1/2"	1	366689

AGR: 03.018

Scope Of Supply	Amount	Article No.
Impact Torque Socket	1	366691
Impact Torque Socket	1	366690
Impact Torque Socket	1	366693
Impact Torque Socket	1	366694
Impact Torque Socket	1	366695

Impact Torque Socket 1/2

- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the accuracy of torque wrenches
- Absorbs too high torques and limited to the respective torque
- Integrated with power sockets
- Suitable for impact wrench operation
- Color coding for better differentiation
- Very resilient and durable



INTERNAL/Approved (2019-03-22 16:37:40)

Socket spanners, rachets, spanners

Application Area

- Time-saving pretightening of wheel bolts and nuts with impact wrenches

Title	Tightening torque	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	Color	PU Piece	Article No.
Impact Torque Socket	75 Nm	4KT	1/2 "	6KT	17 mm	220 mm	Green	1	366690
Impact Torque Socket	110 Nm	4KT	1/2 "	6KT	17 mm	220 mm	Red	1	366691
Impact Torque Socket	110 Nm	4KT	1/2 "	6KT	19 mm	220 mm	Blue	1	366693
Impact Torque Socket	110 Nm	4KT	1/2 "	6KT	21 mm	220 mm	Brown	1	366695
Impact Torque Socket	135 Nm	4KT	1/2 "	6KT	19 mm	220 mm	Grey	1	366694

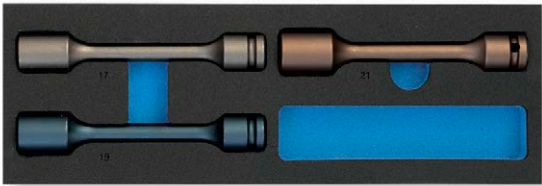
AGR: 03.012

Related Products

	PU Amount	Article No.
Torque Impact Socket Set 1/2"	1	366689

Impact Socket-Set 1/2" XXL

- Long version to reach even deep wheel bolts
- Quick identification of sizes by colour coding
- Special hexagonal shape with bulges at the corners to ensure a secure force connection of the socket wrench with the wheel bolt on the flank.
- Supplied with size B foam insert
- Extra compartment in the foam insert for your own tool
- Fits perfectly into the Bern workshop trolley thanks to the foam insert
- Very resilient and durable



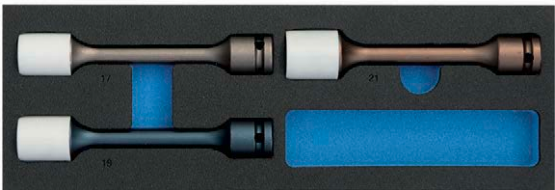
Application Area

- XXL Power sockets for deep wheel bolts

Title	PU Piece	Article No.
Impact Socket-Set 1/2" XXL	1	366708
AGR: 03.018		
Scope Of Supply	Amount	Article No.
Impact Socket XXL	1	366709
Impact Socket XXL	1	366710
Impact Socket XXL	1	366711

Impact Socket-set 1/2" XXL Protected

- Rim is protected by a plastic sleeve which also surrounds the front of the nut
- Long version to reach even deep wheel bolts
- Quick identification of sizes by colour coding
- Special hexagonal shape with bulges at the corners to ensure a secure force connection of the socket wrench with the wheel bolt on the flank.
- Supplied with size B foam insert
- Extra compartment in the foam insert for your own tool
- Fits perfectly into the Bern workshop trolley thanks to the foam insert
- Very resilient and durable



3

Application Area

- XXL Power sockets for deep wheel bolts

Title	PU Piece	Article No.
Impact Socket-set 1/2" XXL Protected	1	366703
AGR: 03.018		
Scope Of Supply	Amount	Article No.
Impaxt Socket XXL Protected	1	366704
Impaxt Socket XXL Protected	1	366705
Impaxt Socket XXL Protected	1	366707

Socket spanners, rachets, spanners

Impact Socket 1/2" XXL

- Long version to reach even deep wheel bolts
- Quick identification of sizes by colour coding
- Special hexagonal shape with bulges at the corners to ensure a secure force connection of the socket wrench with the wheel bolt on the flank.
- Supplied with size B foam insert
- Extra compartment in the foam insert for your own tool
- Fits perfectly into the Bern workshop trolley thanks to the foam insert
- Very resilient and durable

Application Area

- XXL Power sockets for deep wheel bolts



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Impact Socket XXL	4KT	1/2 "	6KT	17 mm	150 mm	1	366709
Impact Socket XXL	4KT	1/2 "	6KT	19 mm	150 mm	1	366710
Impact Socket XXL	4KT	1/2 "	6KT	21 mm	150 mm	1	366711

AGR: 03.012

Related Products

	PU Amount	Article No.
Impact Socket-Set 1/2" XXL	1	366708

Impact Socket 1/2" XXL Protected

- Rim is protected by a plastic sleeve which also surrounds the front of the nut
- Long version to reach even low-lying wheel bolts
- Quick identification of sizes by colour coding
- Special hexagonal shape with bulges at the corners to ensure a secure force connection of the socket wrench with the wheel bolt on the flank.
- Supplied with size B foam insert
- Extra compartment in the foam insert for your own tool
- Fits perfectly into the Bern workshop trolley thanks to the foam insert
- Very resilient and durable



INTERNAL/Approved (2019-03-22 16:38:04)

Socket spanners, rachets, spanners

Application Area

- XXL Power sockets for deep wheel bolts

Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Impaxt Socket XXL Protected	4KT	1/2 "	6KT	17 mm	152 mm	1	366704
Impaxt Socket XXL Protected	4KT	1/2 "	6KT	19 mm	152 mm	1	366705
Impaxt Socket XXL Protected	4KT	1/2 "	6KT	21 mm	152 mm	1	366707

AGR: 03.012

Related Products

	PU Amount	Article No.
Impact Socket-set 1/2" XXL Protected	1	366703

3

Impact Socket 1/2" QKX3

- Sehr hochwertiger Kraft-Steckschlüssel mit dem QKX3 Abtrieb.  
Dieser wurde speziell für die KX3 Schraube von Audi entwickelt

Application Area

- To loosen the screw on the brake calliper of the Audi Q7

Characteristics

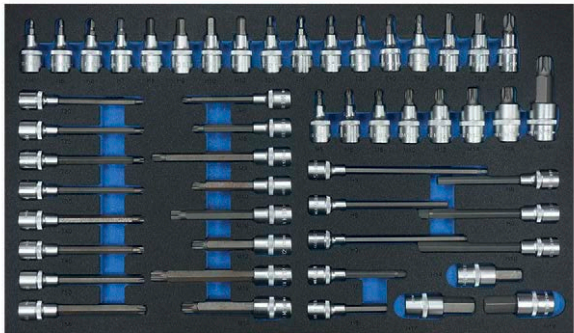
- Material: Chrome Molybdenum
- Output: QKX3



Title	Drive shape	Drive Size Inch	Length	Color	PU Piece	Article No.
Impact Socket 1/2" QKX3	4KT	1/2 "	50 mm	black	1	370167

AGR: 03.012

Bit Socket Set XXL TX, XZN, Hex



INTERNAL/Approved (2019-03-22 16:38:09)

Socket spanners, rachets, spanners

Title	PU Piece	Article No.
Bit Socket Set XXL TX, XZN, Hex	1	370300

AGR: 03.701

Socket Wrench Set 3/4", 16-piece

Scope Of Delivery

- 12 Sockets, 6-kant: SW 21-22 - 24-27 - 30-32 - 34-36 - 38-41 - 46-50 mm
- 1 reversible ratchet
- 1 sliding T-handle
- 2 extension bars: 100 and 200 mm

Title	Content	PU Piece	Article No.
Socket Wrench Set 3/4", 16-piece	16 PC	1	105803

AGR: 03.018



Ratchet 3/4"

Characteristics

- A system with 40 teeth



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
1592 Ratchet Wrench	3/4"	505 mm	40	1	105823

AGR: 03.023

Spare Parts

	PU Piece	Article No.
BERNER REP.SET FOR 3/4" KN	1	106124

INTERNAL/Approved (2019-03-22 16:38:21)

Sliding T-Handle 3/4"

Characteristics

- DIN 3122-compliant, chrome vanadium steel



Title	Drive	Length	PU Piece	Article No.
Sliding T-Handle	4KT 3/4"	425 mm	1	105824

AGR: 03.017

3

Extension Bar 3/4"

Characteristics

- DIN 3123-compliant, chrome vanadium steel



Title	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Extension Bar	3/4 "	4KT	200 mm	1	105825
Extension Bar	3/4 "	4KT	400 mm	1	105826
K.208B EXTENSION SHORT	3/4 "	4KT	100 mm	1	701122

AGR: 03.017 / 03.410

INTERNAL/Approved (2019-03-22 16:38:27)

Multi Tooth Nut 3/4"

- Safe opening of the screw connection due to the heavy design
- Usable with an impact wrench

Application Area

- Quick-release axle VW Touran, A3



3

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
M18X90 3/4" XZN-INSERT SCRW	3/4 "	XZN	18 mm	90 mm	1	037075

AGR: 03.013

Hex Sockets, 3/4"

Characteristics

- DIN 3124-compliant



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Socket	3/4 "	6KT	19 mm	50 mm	1	105806
Socket	3/4 "	6KT	21 mm	50 mm	1	105807
Socket	3/4 "	6KT	22 mm	50 mm	1	105808
Socket	3/4 "	6KT	24 mm	50 mm	1	105809
Hex Socket Wrench Insert	3/4 "	6KT	27 mm	52 mm	1	105810
Hex Socket Wrench Insert	3/4 "	6KT	30 mm	54 mm	1	105811
Socket	3/4 "	6KT	32 mm	56 mm	1	105812
Hex Socket Wrench Insert	3/4 "	6KT	34 mm	56 mm	1	105814
Hex Socket Wrench Insert	3/4 "	6KT	36 mm	58 mm	1	105815
Hex Socket Wrench Insert	3/4 "	6KT	38 mm	60 mm	1	105816
Hex Socket Wrench Insert	3/4 "	6KT	41 mm	64 mm	1	105817
Hex Socket Wrench Insert	3/4 "	6KT	46 mm	68 mm	1	105818
Hex Socket Wrench Insert	3/4 "	6KT	50 mm	72 mm	1	105819
Socket	3/4 "	6KT	55 mm	76 mm	1	105820

AGR: 03.013

Impact socket-Set 3/4" 6-point long, 6 pieces

Scope Of Delivery

- 6-piece power nut driver set consisting of: SW 24 - 27 - 30 - 32 - 33 - 36 mm



Title	Drive	PU Piece	Article No.
Impact socket-Set 3/4" 6-point long	3/4" / 6KT	1	168433

AGR: 03.018

Scope Of Supply

	Piece	Article No.
Extra Deep Power Hex Socket Wrench Insert 3/4" 24 mm	1	213748
Extra Deep Power Hex Socket Wrench Insert 3/4" 27 mm	1	213730
Extra Deep Power Hex Socket Wrench Insert 3/4" 30 mm	1	215406
Extra Deep Power Hex Socket Wrench Insert 3/4" 32 mm	1	215392
Extra Deep Power Hex Socket Wrench Insert 3/4" 33 mm	1	133857
Extra Deep Power Hex Socket Wrench Insert 3/4" 36 mm	1	215384

Extra Deep Power Hex Sockets, 3/4"

Characteristics

- DIN 3121-compliant, shock-resistant, for manual and machine operation



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Extra Deep Power Hex Socket Wrench Insert	3/4 "	6KT	22 mm	95 mm	1	213756
Extra Deep Power Hex Socket Wrench Insert	3/4 "	6KT	24 mm	95 mm	1	213748
Extra Deep Power Hex Socket Wrench Insert	3/4 "	6KT	27 mm	95 mm	1	213730
Extra Deep Power Hex Socket Wrench Insert	3/4 "	6KT	30 mm	95 mm	1	215406
Extra Deep Power Hex Socket Wrench Insert	3/4 "	6KT	32 mm	95 mm	1	215392
Extra Deep Power Hex Socket Wrench Insert	3/4 "	6KT	33 mm	95 mm	1	133857
Extra Deep Power Hex Socket Wrench Insert	3/4 "	6KT	34 mm	95 mm	1	102077
Extra Deep Power Hex Socket Wrench Insert	3/4 "	6KT	36 mm	95 mm	1	215384

AGR: 03.013

Power Extension Bar 3/4"

Characteristics

- DIN 3121-compliant, shock-resistant, for manual and machine operation



Title	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Power Extension Bar	3/4 "	4KT	330 mm	1	215287

AGR: 03.017

Impact socket Chassis

- Very high quality Chrome Molybdenum Power Socket
- With special shape to process the flat head lightweight nuts from MB without damage
- With bore and groove for locking pin and locking ring

Application Area

- For the new screws used on the MB trailers

Hints

- Note: From production month July 2017, the M16 flange head nuts previously installed at the factory will be replaced by the "light-weight" flange head nut version.



3

Title	Drive shape	Drive Size Inch	Output Drive Size mm	Length	Color	PU Piece	Article No.
Impact Socket MB Chassis30 L50	4KT	3/4 "	30 mm	50 mm	black	1	369056
Impact Socket MB Chassis30 L50	4KT	3/4 "	30 mm	90 mm	black	1	369057
I Socket MB Chassis Set 30 mm	4KT	3/4 "	30 mm	-	black	1	369055

AGR: 03.013 / 03.018

Socket Wrench Set 1", 14-piece

Scope Of Delivery

- 10 sockets, 12-sided: Wrench size 36 - 41 - 46 - 50 - 55 - 60 - 65 - 70 - 75 - 80 mm
- 1 ratchet wrench
- 1 sliding T-handle
- 2 extension bars: 205 and 405 mm



Title	PU Set	Article No.
Socket Wrench Set, 14-piece	1	211265

AGR: 03.018

Ratchet 1", 2-piece

Characteristics

- extension removable



Title	Drive	Length	Number Of Teeth	PU Piece	Article No.
Ratchet Wrench	1"	650 mm	32	1	136875

AGR: 03.024

Sliding T-Handle 1"

Characteristics

- DIN 3123-compliant, chrome vanadium steel



Title	Drive	Length	PU Piece	Article No.
Sliding T-Handle	1"	640 mm	1	136840

AGR: 03.017

INTERNAL/Approved (2019-03-22 16:39:06)

12-sided Sockets, 1"

Characteristics

- DIN 3124-compliant, chromium-plated, ground



3

Title	Drive Size Inch	Output shape	Output Drive Size mm	PU Piece	Article No.
12-sided Socket Wrench Insert	1 "	12KT	36 mm	1	211974
12-sided Socket Wrench Insert	1 "	12KT	41 mm	1	211966
12-sided Socket Wrench Insert	1 "	12KT	46 mm	1	211982
12-sided Socket Wrench Insert	1 "	12KT	50 mm	1	211990
12-sided Socket Wrench Insert	1 "	12KT	55 mm	1	212008
12-sided Socket Wrench Insert	1 "	12KT	60 mm	1	212016
12-sided Socket Wrench Insert	1 "	12KT	65 mm	1	212024
12-sided Socket Wrench Insert	1 "	12KT	70 mm	1	212032
12-sided Socket Wrench Insert	1 "	12KT	75 mm	1	211958
12-sided Socket Wrench Insert	1 "	12KT	80 mm	1	212040

AGR: 03.014

Power Sockets 1"

Characteristics

- DIN 3129-compliant, shock-resistant, for manual and machine operation



INTERNAL/Approved (2019-03-22 16:39:21)

Socket spanners, rachets, spanners

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Power Hex Socket Wrench Insert	1 "	6KT	24 mm	62 mm	1	122521
Power Hex Socket Wrench Insert	1 "	6KT	27 mm	62 mm	1	122530
Power Hex Socket Wrench Insert	1 "	6KT	30 mm	62 mm	1	151408
Power Hex Socket Wrench Insert	1 "	6KT	32 mm	62 mm	1	151416
Power Hex Socket Wrench Insert	1 "	6KT	33 mm	62 mm	1	133896
Power Hex Socket Wrench Insert	1 "	6KT	36 mm	68 mm	1	151424
Power Hex Socket Wrench Insert	1 "	6KT	41 mm	68 mm	1	151432
Power Hex Socket Wrench Insert	1 "	6KT	46 mm	74 mm	1	151440
Impact socket	1 "	6KT	50 mm	74 mm	1	133900
Impact socket	1 "	6KT	55 mm	84 mm	1	133901
Impact socket	1 "	6KT	60 mm	87 mm	1	133902
Impact socket	1 "	6KT	65 mm	90 mm	1	133903
Impact socket	1 "	6KT	70 mm	95 mm	1	133904

AGR: 03.014

Impact socket-Set 1" 6-point, 7 pieces

Scope Of Delivery

- 7-piece power nut driver set consisting of: SW 24 - 27 - 30 - 32 - 33 - 36 - 41 mm



Title	Drive	PU Set	Article No.
Impact socket-Set 1" 6-point	1" / 6KT	1	140717

AGR: 03.018

Extra Deep Power Hex Sockets, 1"

Characteristics

- DIN 3121-compliant, shock-resistant, for manual and machine operation



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	24 mm	100 mm	1	215317
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	27 mm	100 mm	1	215325
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	30 mm	100 mm	1	215333
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	32 mm	100 mm	1	215341
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	33 mm	100 mm	1	133907
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	34 mm	100 mm	1	102078
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	36 mm	100 mm	1	215350
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	38 mm	100 mm	1	133908
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	41 mm	100 mm	1	215368
Extra Deep Power Hex Socket Wrench Insert	1 "	6KT	46 mm	100 mm	1	215376

AGR: 03.014

Power Extension Bar 1"

Characteristics

- DIN 3121-compliant, shock-resistant, for manual and machine operation



Title	Drive Size Inch	Output shape	Length	PU Piece	Article No.
Impact extension	1 "	4KT	200 mm	1	133917

AGR: 03.017

INTERNAL/Approved (2019-03-22 16:39:39)

Gear Multiplier 1"

Title	Drive	PU Piece	Article No.
GEAR MULTIPLIER 1" AGR: 03.404	4KT 1"	1	100739



Socket Wrench 1/4"



Title	Drive Size Inch	Output shape	Output Drive Size mm	PU Piece	Article No.
L-Socket Wrench insert	1/4 "	E	4 mm	1	170934
L-Socket Wrench insert	1/4 "	E	5 mm	1	170936
L-Socket Wrench insert	1/4 "	E	5.5 mm	1	170937
L-Socket Wrench insert	1/4 "	E	6 mm	1	170938
L-Socket Wrench insert	1/4 "	E	7 mm	1	170939
L-Socket Wrench insert	1/4 "	E	8 mm	1	170940
L-Socket Wrench insert	1/4 "	E	9 mm	1	170941
L-Socket Wrench insert	1/4 "	E	10 mm	1	170942
L-Socket Wrench insert	1/4 "	E	11 mm	1	170943
L-Socket Wrench insert	1/4 "	E	12 mm	1	170944
L-Socket Wrench insert	1/4 "	E	13 mm	1	170945
L-Socket Wrench insert	1/4 "	E	14 mm	1	170946

AGR: 03.010

I Socket Wrench Set 1/2" Lever ratchet 60 T

- Can also be used at tight places

Scope Of Delivery

- 1 x lever change ratchet 1/2 " 60 T
- 1 x 125 mm extension
- 1 x 250 mm extension with slider
- 1 x universal joint
- Each 1 x Socket Wrench 1/2 ": 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
- 1 x 1/2 "bit adapter
- Per 1 x 10 mm bit TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55
- 1 Depending x 10 mm hex bit 5 - 6 - 7 - 8 - 10 - 12 mm
- Per 1 x 10 mm multi-tooth bit M 5, M 6, M 8, M 10, M 12

Title	Drive	PU Piece	Article No.
S-SET LEVER I SOC1/2" SBOX 60T	1/2"	1	213275
AGR: 03.018			
Accessories Available		PU Amount	Article No.
S-SET LEVER I SOC.1/2" HS 60T		1	213267



Ratchet Ring Wrench Set with L-Socket Profile

- Ratchet, extension bar and socket wrench inserts with a through-hole, which also makes it suitable for stay bolt fittings
- L-socket profile, supports 46 applications on up to 4 profiles (hex, 12-sided, inch and TX) with only 14 socket wrench inserts
- Ideal for working in narrow spaces because of its low design height
- Can also be used with conventional socket wrench inserts 1/4" or 1/2" adapter

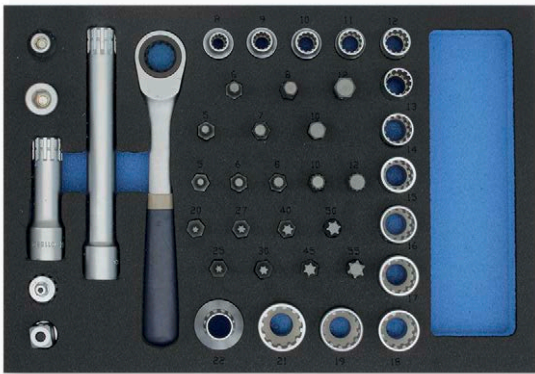
Scope Of Delivery

- 1 x Loop-Ratchet-Inlay: SW 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 -21 - 22 mm
- 1x Loop-Ratchet reconnecting-gun
- 1x extension 75 mm, 150 mm
- 1x 1/4" bit socket
- 1x 10mm bit socket
- 1x adapter 1/2" wrench socket
- 1x adapter 1/4" wrench socket
- 1x Bit 10mm: TX 20-TX25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55
- Je 1x Bit 10mm: multi-toothed M 5, M 6, M 8, M 10, M 12
- Je 1xbit 10mm: allen M 5, M 6, M 7, M 8, M 10, M 12

Title	PU Piece	Article No.
Ratchet ring wrench set, 40-piece	1	048374

AGR: 03.018

Scope Of Supply	Piece	Article No.
Ratchet LoopRatchet-Set	1	011590
Ratchet ring Wrench Insert 8 mm	1	011548
Ratchet ring Wrench Insert 9 mm	1	011549
Ratchet ring Wrench Insert 10 mm	1	011550
Ratchet ring Wrench Insert 11 mm	1	011551
Ratchet ring Wrench Insert 12 mm	1	011554
Ratchet ring Wrench Insert 13 mm	1	011558
Ratchet ring Wrench Insert 14 mm	1	011559
Ratchet ring Wrench Insert 15 mm	1	011573
Ratchet ring Wrench Insert 16 mm	1	011574



INTERNAL/Approved (2019-03-22 16:40:25)

Socket spanners, rachets, spanners

3

Scope Of Supply	Piece	Article No.
Ratchet ring Wrench Insert 17 mm	1	011575
Ratchet ring Wrench Insert 18 mm	1	011577
Ratchet ring Wrench Insert 19 mm	1	011579
Ratchet ring Wrench Insert 21 mm	1	011580
Ratchet ring Wrench Insert 22 mm	1	011581
Hex Bit, 10 mm, AF 5mm, length 30mm	1	000897
Hex Bit, 10 mm, AF 6mm, length 30mm	1	000896
Hex Bit, 10 mm, AF 7mm, length 30mm	1	000895
Hex Bit, 10 mm, AF 8mm, length 30mm	1	000894
Hex Bit, 10 mm, AF 10mm, length 30mm	1	000899
Hex Bit, 10 mm, AF 12mm, length 30mm	1	000898
Bit TX 20 30 mm	1	000890
Bit TX 25 30 mm	1	000888
Bit TX 30 30 mm	1	000886
Bit TX 40 30 mm	1	000884
Bit TX 45 30 mm	1	000882
Bit TX 50 30 mm	1	000879
Bit TX 55 30 mm	1	000877
Bit XZN 5 30 mm	1	000867
Bit XZN 6 30 mm	1	000866
Bit XZN 8 30 mm	1	000864
Bit XZN 10 30 mm	1	000872
Bit XZN 12 30 mm	1	000869
Ratchet ring wrench Extension Bar 75 mm	1	011582
Ratchet ring wrench Extension Bar 150 mm	1	011583
Ratchet ring wrench Adapter 1/4" Socket Wrench Insert	1	011592
Ratchet ring wrench Adapter 1/4" Bit	1	011594
Ratchet ring wrench Adapter 1/2" Socket Wrench Insert	1	011593
Ratchet ring wrench Adapter 10 mm Bit	1	011595
Bit 10 TX27 30 mm	1	-

## Set I-socket 1/4" und 1/2", 151-tlg., Lever ratchet 60 T

- Lever change ratchet 60 T, ball detent and
- 3-component handle
- Screwdriver for use of
- 1/4 "socket wrench inserts and bits
- Delivery of high-quality, stable Smart Box XL, the tools are neatly labeled with the sizes ticking stored in the foam

### Scope Of Delivery

- 12 Sockets 1/4" I-Socket: SW 4 - 4.5 - 5 - 5.5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 mm
- 7 Sockets 1/4 "deep I-Socket: SW 4 - 5 - 6 - 7 - 8 - 9 - 10 mm
- 5 Sockets 1/4 "for internal TX screws: SW E4 - E5 - E6 - E7 - E8
- 4 Sockets 1/4 "for interior-6-head screws: SW 3 - 4 - 5 - 6
- 4 Sockets 1/4 "longitudinal slot 4 - 5.5 - 6.5 - 7 mm
- 6 Sockets 1/4 "Phillips PH 1, PH 2, PH 3, PZ 1, PZ 2, PZ 3
- 8 Sockets 1/4 "screws with TX: TX 8 - 9 - 10 - 15 - 20 - 25 - 27 - 30
- 8 Sockets 1/4 "with TX-head screw hole: TR 8 - 9 - 10 - 15 - 20 - 25 - 27 - 30
- 2 extensions quarter ": 50 and 100 mm
- 1 Sliding T T-1/4 ", 1 universal joint 1/4", 1 1/4 wrench hand "
- 1 x lever change ratchet 1/4 "and 1/2"
- 17 Sockets 1/2 "I-Socket: SW 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 - 21 - 22 - 24 - 27 - 30 - 32 mm
- 10 Sockets 1/2 "deep I-Socket: SW 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 22 mm
- 8 Sockets 1/2 "for internal TX screws: SW 10 - 11 - 12 - 14 - 16 - 18 - 20 - 24
- 2 spark plug sockets 1/2 ": SW 16 and 21 mm
- 2 extensions 1.2 ": 125 and 250 mm
- 1 universal joint 1/2 "
- 1 Sliding T-T 1/2 "
- 1 bit adapter 1/2 "for 10 mm bits
- 12 bits 10 mm Ribe: M 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 16
- 5 Bits 10 mm for indoor 6-head screws: SW 7 - 8 - 10 - 12 - 14 mm
- 3 bits 10 mm longitudinal slit: 8 - 10 - 12 mm
- 2 bits 10 mm Phillips PH 3 - PH 4
- 6 Bits 10 mm for interior screws TX: TX 40 - 45 - 50 - 55 - 60 - 70



# Socket spanners, rachets, spanners

- 6 Bits 10 mm for inner-TX-head screw hole: TR 40 - 45 -50 - 55 - 60 - 70
- 5 Bits 10 mm for multi-tooth screws: XZN 5 - 6 - 8 - 10 - 12
- 9 Keys for indoor 6-head screws: Size 1.5 - 2 - 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm

Title	PU Piece	Article No.
TOOL SET 151 I SOCKET SB 60T	1	213286

AGR: 03.018

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## Set I-socket 1/4" und 1/2", 151-tlg.

- Lever change ratchet HD, ball detent and
- 2-component handle
- Screwdriver for use of
- 1/4 "socket wrench inserts and bits
- Delivery of high-quality, stable Smart Box XL, the tools are neatly labeled with the sizes ticking stored in the foam

### Scope Of Delivery

- 12 Sockets 1/4" I-Socket: SW 4 to 4.5 - 5 to 5.5 - 6 - 7 - 8 - 9 - 10 - 11-12 - 13 mm
- 7 Sockets 1/4 "deep I-Socket: SW 4 - 5 - 6 -7 09/08/10 mm
- 5 Sockets 1/4 "for internal TX screws: SW E4 - E5 - E6 - E7 - E8
- 4 Sockets 1/4 "for interior-6-head screws: SW 3 - 4 - 5 - 6
- 4 Sockets 1/4 "longitudinal slot 4 - 5.5 - 6.5 to 7 mm
- 6 Sockets 1/4 "Phillips PH 1, PH 2, PH 3, PZ 1, 2 PZ, PZ 3
- 8 Sockets 1/4 "screws with TX: TX 8 - 10.09.15 - 20-25 -27 - 30
- 8 Sockets 1/4 "with TX-head screw hole: TR 8 - 09.10.15 - 20-25 - 27-30
- 2 extensions quarter ": 50 and 100 mm
- 1 Sliding T T-1/4 ", 1 universal joint 1/4", 1 1/4 wrench hand "
- per 1 x lever change ratchet 1.4 "and 2.1"
- 17 Sockets 1/2 "I-Socket: SW 10 - 12/11/13 - 14 - 15-16 -17 - 18 - 19-20 - 21-22 -24 - 27 to 30 - 32 mm
- 10 Sockets 1/2 "deep I-Socket: SW 11.12.13 - 14 - 15-16 - 17 - 18 - 19 - 22 mm
- 8 Sockets 1/2 "for internal TX screws: SW 11.10.12 - 14 - EUR16 and EUR18 - 20-24
- 2 spark plug sockets 1/2 ": SW 16 and 21 mm
- 2 extensions 1.2 ": 125 and 250 mm



Socket spanners, rachets, spanners

- 1 universal joint 1/2 "
- 1 Sliding T-T 2.1 "
- 1 bit adapter 2.1 "for 10 mm bits
- 12 bits 10 mm Ribe: M 4 - 5 - 6 - 7 - 8 - 9 - 10/11/12 - 13 - 14-16
- 5 Bits 10 mm for indoor 6-head screws: SW 7 - 08/10/12 - 14 mm
- 3 bits 10 mm longitudinal slit: 10/08/12 mm
- 2 bits 10 mm Phillips PH 3 - PH 4
- 6 Bits 10 mm for interior screws TX: TX 40-45 - 50-55 - 60-70
- 6 Bits 10 mm for inner-TX-head screw hole: TR 40-45 -50 - 55 - 60-70
- 5 Bits 10 mm for multi-tooth screws: XZN 5 - 6 - 8/10/12
- 9 Keys for indoor 6-head screws: Size 1.5 - 2 - 2.5 to 3 - 4 - 5 - 6 - 8 - 10 mm

Title	Drive	PU Piece	Article No.
TOOL SET 151 I SOCKET SB	/ 6KT	1	198483

AGR: 03.018

Accessories Available

	PU Piece	Article No.
SMART-BOX XL	1	188017

Socket spanners, rachets, spanners

I-Socket-Set 1/4" SBOX Lever ratchet 60 T

- Resilient, since use on DIN standard possible
- Versatile, suitable for nearly all 6-point, 12-Kant, customs and TX-heads
- Ideal for tight spaces with low headroom
- Lever ratchet 60 T with low angle (60 teeth = 6 °)

Characteristics

- Robust: high quality, durable on DIN-standard

Scope Of Delivery

- 1 x lever change ratchet 1/4 " 60 T
- 1 x 55 mm extension
- 1 x 100 mm extension
- 1 x universal joint, 1 x T-Sliding T
- 1 x Handheld Screxdriver 1/4"
- Each 1 x Socket Wrench 1/4 ": 4 - 4,5 - 5 - 5,5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 mm



Title	Drive	PU Piece	Article No.
S-SET LEVER I SOC.1/4"SBOX 60T	1/4"	1	213274

AGR: 03.018

HEX/TX Ratchet Ring Wrench, 24-piece

- Minor headroom and the 72-tooth ratchet (reset 5°) allows working in cramped conditions
- Collars on each socket prevent slipping
- The handy SMART-BOX and the wide set range are optimally-suited for mobile use
- Insert snap into the head, preventing them from sliding out
- Chrome vanadium steel
- Perfect energy transfer with precise-fitting inserts



Socket spanners, rachets, spanners

Application Area

- For all common hexagonal head and exterior torx applications in the car industry
- Excellent for processing nuts, spacer bolts or threaded rod



Title	Drive	PU Set	Article No.
HEX-TX Ratchet Ring Wrench, 24-piece	14 / 6KT	1	111074

AGR: 03.701

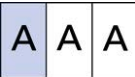
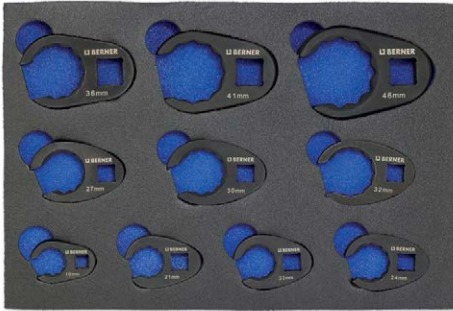
Scope Of Supply	Piece	Article No.
HEX-TX hexagonal insert bit 8 mm	1	111078
HEX-TX hexagonal insert bit 9 mm	1	111080
HEX-TX hexagonal insert bit 10 mm	1	111082
HEX-TX hexagonal insert bit 11 mm	1	111085
HEX-TX hexagonal insert bit 12 mm	1	111094
HEX-TX hexagonal insert bit 13 mm	1	111095
HEX-TX hexagonal insert bit 14 mm	1	111097
HEX-TX hexagonal insert bit 15 mm	1	111104
HEX-TX hexagonal insert bit SW 16	1	111111
HEX-TX hexagonal insert bit SW 17	1	111112
HEX-TX hexagonal insert bit 75 mm, 19 mm	1	111110
HEX-TX hexagonal insert bit 22 mm	1	111105
HEX-TX outer TX insert bit E 8	1	111113
HEX-TX outer TX insert bit E 10	1	111114
HEX-TX outer TX insert bit E 11	1	111115
HEX-TX outer TX insert bit E 12	1	111116
HEX-TX outer TX insert bit E 14	1	111133
HEX-TX outer TX insert bit E 16	1	111134
HEX-TX outer TX insert bit E 18	1	111135
HEX-TX outer TX insert bit E 20	1	111139
HEX-TX bit adapter 14 mm, 1/4"	1	111108
HEX-TX Adapter 14 mm, 1/4"	1	111107
HEX-TX Adapter 14 mm, 3/8"	1	111106
HEX-TX ratchet ring wrench 14/19 mm	1	111109

INTERNAL/Approved (2019-03-22 16:41:13)

Set claw spanner NFZ

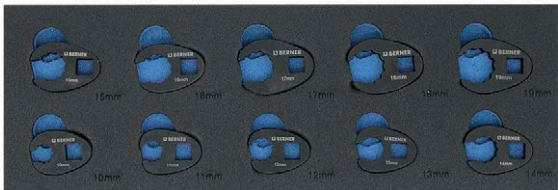
- Ideal for nut and pipe fittings
- 12-point profile allows small return angle of only 30 °
- 10-TLGs. Set for a variety of applications, particularly in the commercial vehicle sector
- Delivery in Berner’s foam ticking (337 x 228 mm),
- ideal for Berner’s Workshop trolley system

Title	Drive	PU Piece	Article No.
SET CLAW SPANNERS CV	/ 12KT	1	200858
AGR: 03.018			
Scope Of Supply		Piece	Article No.
CLAW SPANNER SIZE 19 3/8"		1	207103
CLAW SPANNER SIZE 21 1/2"		1	207102
CLAW SPANNER SIZE 22 1/2"		1	207101
CLAW SPANNER SIZE 24 1/2"		1	207100
CLAW SPANNER SIZE 27 1/2"		1	207099
CLAW SPANNER SIZE 30 1/2"		1	207097
CLAW SPANNER SIZE 32 1/2"		1	207096
CLAW SPANNER SIZE 36 3/4"		1	207095
CLAW SPANNER SIZE 41 3/4"		1	207176
CLAW SPANNER SIZE 46 3/4"		1	200860



Claw foot spanner Set Car

Title	PU Piece	Article No.
Claw foot spanner Set Car	1	336409
AGR: 03.018		
Scope Of Supply	Amount	Article No.
Claw foot spanner 3/8", 10 mm	1	336408
Claw foot spanner 3/8", 11 mm	1	336407
Claw foot spanner 3/8", 12 mm	1	336402
Claw foot spanner 3/8", 13 mm	1	336405
Claw foot spanner 3/8", 14 mm	1	336401
Claw foot spanner 3/8", 15 mm	1	336403
Claw foot spanner 3/8", 16 mm	1	336406
Claw foot spanner 3/8", 17 mm	1	336400
Claw foot spanner 3/8", 18 mm	1	336404
CLAW SPANNER SIZE 19 3/8"	1	207103



3

**Torque changer1:3**

- Receiving a trippled output torque with an low input torque
- Easy unfastening of screw joints
- Replaces various extensions
- Compact design, easy to handle

**Application Area**

- For trucks, construction machines or agricultural machines
- For the unfastening of screw joints



Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size In Inch	PU Piece	Article No.
TORQUE MULTIPLER 1:3	4KT	1/2 "	4KT	3/4 "	1	185064

AGR: 03.015

Force Reduction and Enlargement Inserts

Characteristics

- Chrome vanadium steel

Technical Data

Material	Chrome vanadium steel	Chrome vanadium steel
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3

Title	Driver Type	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Enlargement	4KT Square	3/4 "	4KT	1 "	63 mm	1	369078
Enlargement	4KT Square	1/2 "	4KT	3/8 "	36 mm	1	064122
Enlargement	4KT Square	3/8 "	4KT	1/4 "	28 mm	1	063630
Enlargement	4KT Square	1/4 "	4KT	3/8 "	25 mm	1	063622
Enlargement	4KT Square	3/8 "	4KT	1/2 "	35 mm	1	064114
Enlargement	4KT Square	3/4 "	4KT	1 "	63 mm	1	136506
Enlargement	4KT Square	1/2 "	4KT	3/4 "	50 mm	1	065099
Enlargement	4KT Square	1 "	4KT	3/4 "	65 mm	1	136867

Force Reduction and Enlargement Inserts

Characteristics

- Shock-resistant



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Force Extension Bar	1/2 "	4KT	3/4 "	48 mm	1	138604
Impact increase coupler	3/4 "	4KT	1 "	63 mm	1	147402
Force Reduction	1 "	4KT	3/4 "	75 mm	1	138607
Force Reduction	3/4 "	4KT	1/2 "	56 mm	1	138605

AGR: 03.017

Wobble Adapter Set 5 pieces

- Suitable for impact wrench
- Through pulling on the square the short extension is turned into a joint
- 360° pivoted and 20° inclinable

Application Area

- For working on chassis, engines, gear, brakes and much more

Title	Drive	PU Piece	Article No.
IP-WOBBLE-ADAPTER, 5PC'S	/ 4KT	1	156736
AGR: 03.018			
Scope Of Supply		Piece	Article No.
IP-Wobble Adapter 1/2"-3/8"		1	156779
IP-Wobble Adapter 1/2"-3/4"		1	156781
IP-Wobble Adapter 1/4"-3/8"		1	156744
IP-Wobble Adapter 3/8"-1/2"		1	156760
IP-Wobble Adapter 3/8"-3/4"		1	156752



3

Socket spanners, rachets, spanners

Wobble Set 1/4" 3/8" 1/2"

- Impact Wrench Good
- By pulling on the square the short extension is a joint
- 360 ° and tilted by 20 °

Application Area

- For work on chassis, engine, transmission, brakes

Title	Drive	PU Piece	Article No.
IP-WOBBLE SET 1/4",3/8",1/2"	/ 4KT	1	156712
AGR: 03.018			
Scope Of Supply		Piece	Article No.
IP-Wobble Adapter 1/4"		1	156713
IP-Wobble Adapter 3/8"		1	156723
IP-Wobble Adapter 1/2"		1	156728



Flex Handle SM

- Very stable
- Good power transmission
- Safe working
- Fast releasing of tightened bolts
- 180° joint

Application Area

- Release of stiff screw connections
- Tightening of screw connections with an angle torque
- Release of wheel bolts or nuts



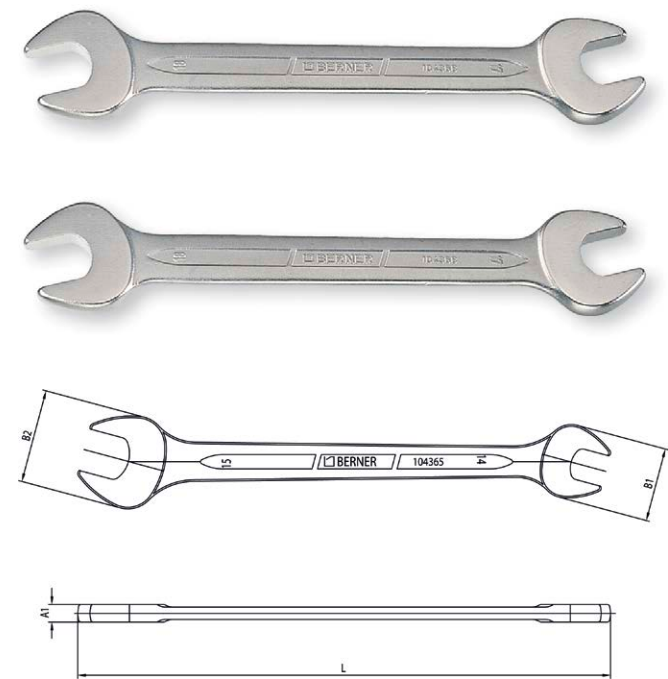
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Title	Drive	Length	PU Piece	Article No.
Extension bar flexible head	1/2"	620 mm	1	333694
HANDLE W. FLEX H.3/4" 1000MM	3/4"	1000 mm	1	027720
AGR: 03.017				
Spare Parts			PU Piece	Article No.
Spare part flexible head			1	333712

Double Open-Ended Spanner 100

Characteristics

- DIN 3110-compliant, chrome plated surface, drop-forged



Title	Wrench size	B1	B2	A1	L	PU Piece	Article No.
Double open-ended wrench	5 x 5.5	-	-	-	125 mm	1	039306
Double open-ended wrench	6 x 7	14.5 mm	16.5 mm	3.4 mm	125 mm	1	104358
Double open-ended wrench	8 x 9	18.5 mm	20.5 mm	3.8 mm	140 mm	1	104359
Double open-ended wrench	10 x 11	22.5 mm	24.5 mm	4.4 mm	155 mm	1	104360
Double open-ended wrench	10 x 13	22.5 mm	28.5 mm	5.3 mm	162 mm	1	104362
Double open-ended wrench	12 x 13	26.5 mm	28.5 mm	5 mm	172 mm	1	104363
Double open-ended wrench	13 x 17	28.5 mm	36.5 mm	6.2 mm	205 mm	1	104364
Double open-ended wrench	14 x 15	30.5 mm	32.5 mm	5.6 mm	188 mm	1	104365
Double open-ended wrench	16 x 17	34.5 mm	36.5 mm	6.2 mm	205 mm	1	104366
Double open-ended wrench	17 x 19	36.5 mm	40.5 mm	6.8 mm	220 mm	1	104369
Double open-ended wrench	18 x 19	38.5 mm	40.5 mm	6.8 mm	220 mm	1	104371
Double open-ended wrench	20 x 22	42.5 mm	46.5 mm	7.2 mm	235 mm	1	104373
Double open-ended wrench	21 x 23	44.5 mm	48.5 mm	7.8 mm	248 mm	1	104374
Double open-ended wrench	22 x 24	46.5 mm	50.5 mm	7.8 mm	248 mm	1	104375
Double open-ended wrench	24 x 27	50.5 mm	56.5 mm	8.4 mm	265 mm	1	104376
Double open-ended wrench	25 x 28	52.5 mm	58.5 mm	9.2 mm	282 mm	1	104377
Double open-ended wrench	26 x 28	39.5 mm	43 mm	14.5 mm	280 mm	1	104378
Double open-ended wrench	27 x 29	56.5 mm	60.5 mm	9.2 mm	300 mm	1	104379

INTERNAL/Approved (2019-03-22 16:42:37)

Socket spanners, rachets, spanners

Title	Wrench size	B1	B2	A1	L	PU Piece	Article No.
Double open-ended spanner	30 x 32	62.5 mm	66.5 mm	9.6 mm	300 mm	1	104380
Double open-ended wrench	34 x 36	71 mm	74.6 mm	10.5 mm	345 mm	1	104381
Double open-ended spanner	36 x 41	74.6 mm	81.1 mm	10.5 mm	355 mm	1	208000
DOUNLE FORK WRENCH. 41X46	41 x 46	-	-	-	400 mm	1	183892
DOUPLE FORK WRENCH. 46X50	46 x 50	-	-	-	450 mm	1	183891

AGR: 03.004

Adjustable Spanner

- Reduced wear through profiled jaws for surface contact
- Comfortable transmission of force through the ergonomic, non-slip plastic grip
- High load capability and long useful life through the extra hard gripping faces and double T-shaft

Characteristics

- Larger span widths



Title	Wrench Size, To / Max. A	Length mm/ in	PU Piece	Article No.
Adjustable Wrench	24 mm	150 / 6"	1	148796
Adjustable Wrench	28 mm	200 / 8"	1	148797
Adjustable Wrench	32 mm	250 / 10"	1	148798
Adjustable Wrench	38 mm	300 / 12"	1	148799

AGR: 03.001

INTERNAL/Approved (2019-03-22 16:42:51)

Socket spanners, rachets, spanners

Ratchet Fork Spanner 3 Size

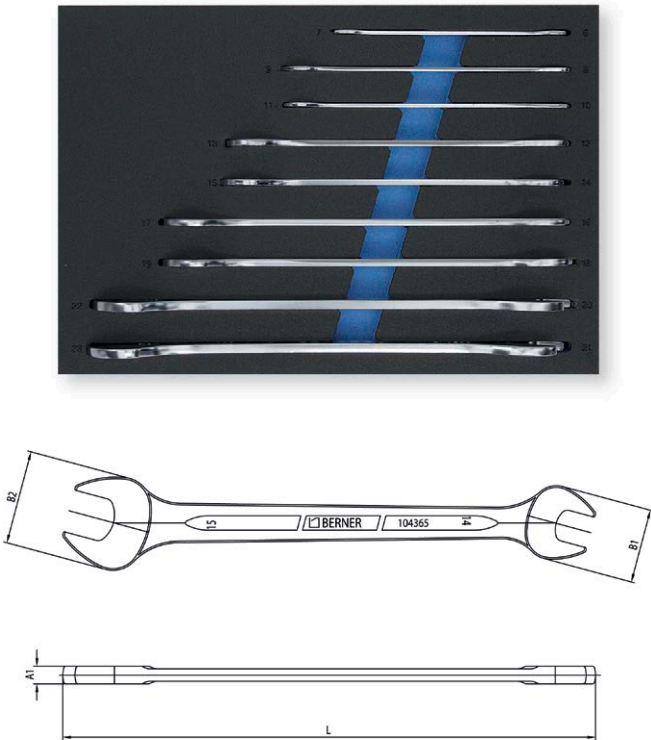
- Very slim design and therefore also on difficult to access Places
- Self-adjusting to the size
- Ratchet mechanism in the head, thus faster working. No removal of the key from the screw / nut anymore Spanner don't has to be replaced
- Prevents damage to the screw / nut about Wrong size
- Also to be used on damaged screws / nuts
- More secure than conventional keys by self clamping
- Suitable for metric and inch dimensions



Title	PU Piece	Article No.
Ratchet Fork Spanner 3 Size, Set	1	336250
AGR: 03.701		
Scope Of Supply	Amount	Article No.
Ratchet Fork Spanner 3 Size, 12-14	1	336252
Ratchet Fork Spanner 3 Size, 15-17	1	336253
Ratchet Fork Spanner 3 Size, 18-20	1	336254
Ratchet Fork Spanner 3 Size, 9-11	1	336251

Double Open-Ended Spanner Super Slim

- Very slim spanner
- Perfect for hard to reach places
- H-Beam for high durability



3

Title	Wrench size	L	PU Piece	Article No.
Double Open-Ended Spanner Super Slim	6 x 7	148 mm	1	336234
Double Open-Ended Spanner Super Slim	8 x 9	175 mm	1	336228
Double Open-Ended Spanner Super Slim	10 x 11	175 mm	1	336231
Double Open-Ended Spanner Super Slim	12 x 13	210 mm	1	336230
Double Open-Ended Spanner Super Slim	14 x 15	210 mm	1	336233
Double Open-Ended Spanner Super Slim	16 x 17	250 mm	1	336227
Double Open-Ended Spanner Super Slim	18 x 19	250 mm	1	336229
Double Open-Ended Spanner Super Slim	20 x 22	292 mm	1	336232
Double Open-Ended Spanner Super Slim	21 x 23	292 mm	1	336235

AGR: 03.004

Related Products

	PU Amount	Article No.
Double Fork Spanner Set Super Slim	1	336249

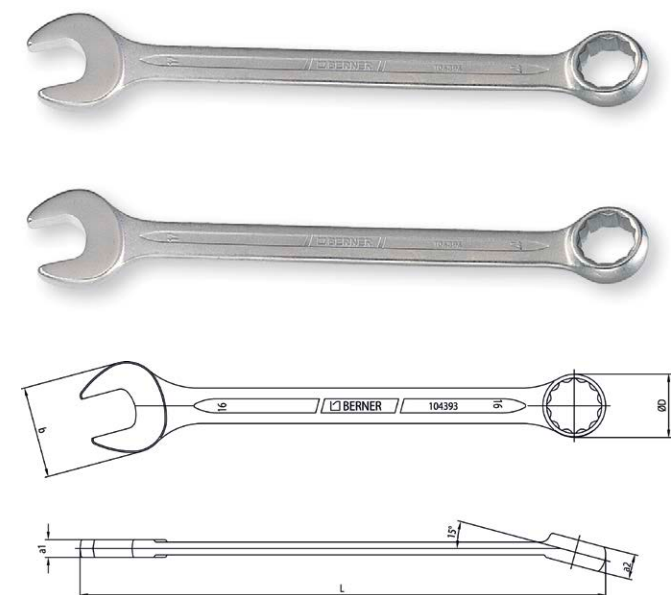
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## Combination Spanner

- Chrome-Vanadium steel
- Polished jaw
- Twelve point ring head is set at a 15° angle
- Ring and shaft are matt chromed
- Embodiment according to DIN3113

### Characteristics

- According to DIN 3113,ring spanner 15° bent, good grip, high resistance



Title	Wrench size	a1	a2	B	ØD	L	PU Piece	Article No.
Combination wrench 101 K	6	3.4 mm	5.1 mm	14 mm	10 mm	100 mm	1	104382
Combination wrench 101 K	7	3.6 mm	5.5 mm	16 mm	11.2 mm	110 mm	1	104383
Combination wrench 101 K	8	3.8 mm	5.9 mm	18 mm	12.8 mm	120 mm	1	104384
Combination wrench 101 K	9	4 mm	6.3 mm	20 mm	14.3 mm	130 mm	1	104385
Combination wrench 101 K	10	4.3 mm	6.9 mm	22 mm	15.4 mm	140 mm	1	104386
Combination wrench 101 K	11	4.5 mm	7.3 mm	24 mm	16.9 mm	150 mm	1	104387
Combination wrench 101 K	12	4.9 mm	7.7 mm	26 mm	18.3 mm	160 mm	1	104389
Combination wrench 101 K	13	5.2 mm	7.9 mm	28 mm	19.6 mm	170 mm	1	104390
Combination wrench 101 K	14	5.5 mm	8.7 mm	30 mm	21.4 mm	180 mm	1	104391
Combination wrench 101 K	15	5.8 mm	9.1 mm	32 mm	22.7 mm	190 mm	1	104392
Combination wrench 101 K	16	6.1 mm	9.6 mm	34 mm	24.1 mm	200 mm	1	104393
Combination wrench 101 K	17	6.4 mm	9.8 mm	36 mm	25.6 mm	210 mm	1	104394
Combination wrench 101 K	18	6.8 mm	10.4 mm	38 mm	27.2 mm	220 mm	1	104395
Combination wrench 101 K	19	7 mm	11 mm	40 mm	28.6 mm	232 mm	1	104397
Open-Ended Ring Spanner 101 K	20	7.2 mm	11.4 mm	42 mm	30 mm	240 mm	1	104398
Combination wrench 101 K	21	7.4 mm	12 mm	44 mm	31.5 mm	250 mm	1	104399
Combination wrench 101 K	22	8.2 mm	12.6 mm	46 mm	33 mm	260 mm	1	104401
Open-Ended Ring Spanner 101 K	23	8.3 mm	13 mm	48 mm	35.1 mm	270 mm	1	104402
Open-Ended Ring Spanner 101 K	24	8.5 mm	13.6 mm	50 mm	36.5 mm	280 mm	1	104403

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Socket spanners, rachets, spanners

Title	Wrench size	a1	a2	B	ØD	L	PU Piece	Article No.
Open-Ended Ring Spanner 101 K	25	9.3 mm	14.7 mm	52.5 mm	38.4 mm	340 mm	1	104404
Open-Ended Ring Spanner 101 K	26	9 mm	14.8 mm	54 mm	41.1 mm	300 mm	1	104405
Open-Ended Ring Spanner 101 K	27	9.3 mm	15 mm	56 mm	41.4 mm	310 mm	1	104406
Open-Ended Ring Spanner 101 K	28	9.4 mm	15.4 mm	58 mm	42.5 mm	320 mm	1	104407
Open-Ended Ring Spanner 101 K	29	10 mm	15.6 mm	59.5 mm	43.5 mm	330 mm	1	104408
Open-Ended Ring Spanner 101 K	30	10.3 mm	16 mm	62 mm	44 mm	340 mm	1	104409
Open-Ended Ring Spanner 101 K	32	10.5 mm	16.2 mm	66 mm	47 mm	370 mm	1	104410
Open-Ended Ring Spanner 101 K	34	10.7 mm	16.8 mm	71 mm	50 mm	400 mm	1	104411

AGR: 03.002

Combination Spanner 101 L Set 19-Pc's

- Long version for better force
- Ring side 15° offset for more space

Characteristics

- DIN 3113-compliant, 15° offset ring spanner, drop-forged, chrome vanadium steel

Title	Content	PU Piece	Article No.
Open Ended Ring Spanner Set 101 L, 19-piece	19 PC	1	104494

AGR: 03.008

Scope Of Supply	Piece	Article No.
Combination wrench long 8 mm 101	1	104437
Combination wrench long 9 mm 101	1	104438
Combination wrench long 10 mm 101	1	104439
Combination wrench long 11 mm 101	1	104440
Combination wrench long 12 mm 101	1	104441
Combination wrench long 13 mm 101	1	104443
Combination wrench long 14 mm 101	1	104444
Combination wrench long 15 mm 101	1	104445
Combination wrench long 16 mm 101	1	104446
Combination wrench long 17 mm 101	1	104447
Combination wrench long 18 mm 101	1	104448
Combination wrench long 19 mm 101	1	104449



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Socket spanners, rachets, spanners

Scope Of Supply	Piece	Article No.
Combination wrench long 21 mm 101	1	104451
Combination wrench long 22 mm 101	1	104452
Combination wrench long 24 mm 101	1	104454
Combination wrench long 27 mm 101	1	104455
Combination wrench long 30 mm 101	1	104456
Combination wrench long 32 mm 101	1	104457
Combination wrench long 34 mm 101	1	104458

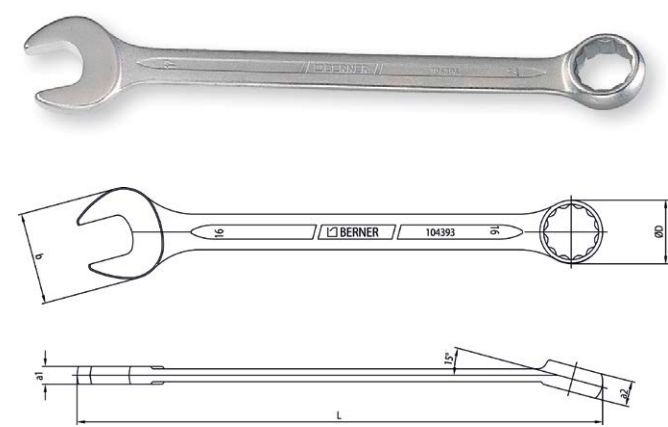
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Combination Spanner

- Chrome-Vanadium steel
- Polished jaw
- Twelve point ring head is set at a 15° angle
- Ring and shaft are matt chromed
- Embodiment according to DIN 3113

Characteristics

- According to DIN 3113, combination wrench 15° bent, die-forged, chrome-vanadium-steel



Title	Wrench size	a1	a2	B	ØD	L	PU Piece	Article No.
Open-Ended Ring Spanner 101 L	8	4.2 mm	6.6 mm	18.5 mm	13.4 mm	130 mm	1	104437
Open-Ended Ring Spanner 101 L	9	4.5 mm	7 mm	20.5 mm	14.8 mm	141 mm	1	104438
Open-Ended Ring Spanner 101 L	10	4.7 mm	7.6 mm	22.5 mm	16.2 mm	154 mm	1	104439
Open-Ended Ring Spanner 101 L	11	5 mm	8.2 mm	24.5 mm	17.5 mm	166 mm	1	104440
Open-Ended Ring Spanner 101 L	12	5.2 mm	8.7 mm	26.5 mm	19 mm	178 mm	1	104441
Open-Ended Ring Spanner 101 L	13	5.6 mm	9.2 mm	28.5 mm	20.5 mm	190 mm	1	104443
Open-Ended Ring Spanner 101 L	14	5.8 mm	9.7 mm	30.5 mm	22 mm	203 mm	1	104444
Open-Ended Ring Spanner 101 L	15	6.4 mm	10.1 mm	32.5 mm	23.5 mm	215 mm	1	104445
Open-Ended Ring Spanner 101 L	16	6.4 mm	10.8 mm	34.5 mm	25 mm	227 mm	1	104446
Open-Ended Ring Spanner 101 L	17	6.6 mm	11.4 mm	36.5 mm	26.5 mm	239 mm	1	104447
Open-Ended Ring Spanner 101 L	18	7 mm	12 mm	38.5 mm	27.8 mm	250 mm	1	104448
Open-Ended Ring Spanner 101 L	19	7.3 mm	12.7 mm	40.5 mm	29.4 mm	263 mm	1	104449
Open-Ended Ring Spanner 101 L	21	8.1 mm	13.3 mm	44.5 mm	31.6 mm	288 mm	1	104451
Open-Ended Ring Spanner 101 L	22	8.5 mm	13.7 mm	46.5 mm	33.8 mm	300 mm	1	104452
Open-Ended Ring Spanner 101 L	24	9 mm	14.2 mm	50.5 mm	36.8 mm	330 mm	1	104454

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Socket spanners, rachets, spanners

Title	Wrench size	a1	a2	B	ØD	L	PU Piece	Article No.
Open-Ended Ring Spanner 101 L	27	10 mm	15.2 mm	56.5 mm	41.2 mm	360 mm	1	104455
Open-Ended Ring Spanner 101 L	30	11.2 mm	16.6 mm	62.5 mm	45.2 mm	410 mm	1	104456
Open-Ended Ring Spanner 101 L	32	11.5 mm	17.1 mm	66.5 mm	48.2 mm	420 mm	1	104457
Open-Ended Ring Spanner 101 L	34	11.8 mm	17.4 mm	72 mm	51 mm	430 mm	1	104458
Open-Ended Ring Spanner 101 L	36	12.2 mm	17.7 mm	77 mm	53 mm	440 mm	1	316512
Open-Ended Ring Spanner 101 L	41	13.5 mm	19.7 mm	88 mm	60.8 mm	480 mm	1	123501
Open-Ended Ring Spanner 101 L	46	14.7 mm	20.7 mm	96 mm	67.7 mm	505 mm	1	082747
Open-Ended Ring Spanner 101 L	50	15.9 mm	22.7 mm	105 mm	73.7 mm	540 mm	1	082748

AGR: 03.002

Fork-/Ring Wrench Dolphin Set

- Due to the new shape the Dolphin key lies comfortably in the hand
- There is a 15° incline section at the fork side to ensure ergonomical and secure work and extra-finger move ability
- The specific shape of the open-end spanner allows a larger rotation angle
- Due to the new shape there is a greater force on the ring spanner without cutting into the hand

3

Title	PU Piece	Article No.
DOLPHIN OPEN END RING SPAN. 10	1	128931
DOLPHIN OPEN END RING SPAN. 11	1	128933
DOLPHIN OPEN END RING SPAN. 14	1	128939

AGR: 03.002



INTERNAL/Approved (2019-03-22 16:44:18)

Double-Ended Ring Spanner 102 TG

Characteristics

- According to DIN 838, optimum grip, drop-forged



Title	Wrench size	Length	PU Piece	Article No.
Double-Ended Ring Spanner 102 TG	6 x 7	176 mm	1	104459
Double-Ended Ring Spanner 102 TG	8 x 9	191 mm	1	104460
Double-Ended Ring Spanner 102 TG	10 x 11	206 mm	1	104461
Double-Ended Ring Spanner 102 TG	12 x 13	221 mm	1	104462
Double-Ended Ring Spanner 102 TG	13 x 17	251 mm	1	104463
Double-Ended Ring Spanner 102 TG	14 x 15	236 mm	1	104464
Double-Ended Ring Spanner 102 TG	16 x 17	251 mm	1	104465
Double-Ended Ring Spanner 102 TG	17 x 19	271 mm	1	104466
Double-Ended Ring Spanner 102 TG	18 x 19	271 mm	1	104467
Double-Ended Ring Spanner 102 TG	20 x 22	291 mm	1	104468
Double-Ended Ring Spanner 102 TG	21 x 23	311 mm	1	104470
Double-Ended Ring Spanner 102 TG	22 x 24	311 mm	1	104471
Double-Ended Ring Spanner 102 TG	24 x 26	331 mm	1	104472
Double-Ended Ring Spanner 102 TG	24 x 27	331 mm	1	104473
Double-Ended Ring Spanner 102 TG	25 x 28	350 mm	1	104475
Double ring wrench	26 x 28	359 mm	1	104476
Double-Ended Ring Spanner 102 TG	27 x 29	343 mm	1	104478
Double-Ended Ring Spanner 102 TG	27 x 30	343 mm	1	104479
Double-Ended Ring Spanner 102 TG	27 x 32	371 mm	1	104480
Double-Ended Ring Spanner 102 TG	30 x 32	371 mm	1	104481
Double-Ended Ring Spanner 102 TG	30 x 34	410 mm	1	104482
Double-Ended Ring Spanner 102 TG	34 x 36	420 mm	1	104483
Double-Ended Ring Spanner 102 TG	36 x 41	440 mm	1	208671
B-102 TG DOUBLE RING 41X46	41 x 46	486 mm	1	184054
B-102 TG DOUBLE RING 46X50	46 x 50	536 mm	1	184056

AGR: 03.003

INTERNAL/Approved (2019-03-22 16:44:22)

Double-Ended Ring Spanner 102 G-Set, 11-pc's

Characteristics

- DIN 837-compliant, matt chromium-plated finish, drop-forged

Title	Content	PU Piece	Article No.
Double-Ended Ring Wrench Set 102 G, 11-part	11 PC	1	104501

AGR: 03.008

Scope Of Supply	Piece	Article No.
Double-Ended Ring Spanner 6x7 mm 102 G	1	104412
Double-Ended Ring Spanner 8x9 mm 102 G	1	104413
Double-Ended Ring Spanner 10x11 mm 102 G	1	104414
Double-Ended Ring Spanner 12x13 mm 102 G	1	104415
Double-Ended Ring Spanner 14x15 mm 102 G	1	104416
Double-Ended Ring Spanner 16x17 mm 102 G	1	104419
Double-Ended Ring Spanner 18x19 mm 102 G	1	104420
Double-Ended Ring Spanner 20x22 mm 102 G	1	104422
Double-Ended Ring Spanner 21x23 mm 102 G	1	104423
Double-Ended Ring Spanner 24x27 mm 102 G	1	104425
Double-Ended Ring Spanner 30x32 mm 102 G	1	104432



Double-Ended Ring Spanner 102 G



Characteristics

- DIN 837-compliant, matt chromium-plated finish, drop-forged

Title	Wrench size	Length	PU Piece	Article No.
Double-Ended Ring Spanner 102 G	6 x 7	100 mm	1	104412
Double-Ended Ring Spanner 102 G	8 x 9	115 mm	1	104413
Double-Ended Ring Spanner 102 G	10 x 11	125 mm	1	104414
Double-Ended Ring Spanner 102 G	12 x 13	140 mm	1	104415
Double-Ended Ring Spanner 102 G	14 x 15	155 mm	1	104416
Double-Ended Ring Spanner 102 G	16 x 17	170 mm	1	104419
Double-Ended Ring Spanner 102 G	18 x 19	185 mm	1	104420
Double-Ended Ring Spanner 102 G	20 x 22	200 mm	1	104422
Double-Ended Ring Spanner 102 G	21 x 23	210 mm	1	104423
Double-Ended Ring Spanner 102 G	24 x 27	250 mm	1	104425
Double-Ended Ring Spanner 102 G	30 x 32	290 mm	1	104432

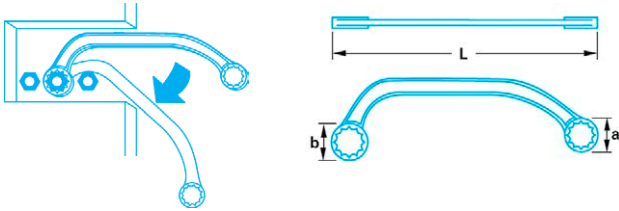
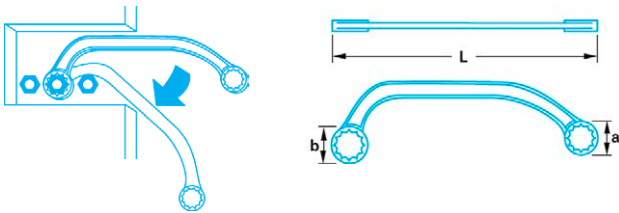
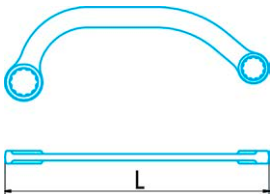
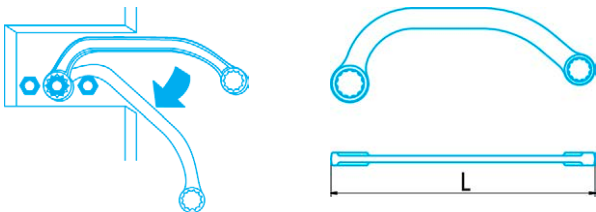
AGR: 03.003

INTERNAL/Approved (2019-03-22 16:44:42)

Ring wrench half-moon

Characteristics

- Matt-chrome plated surface, die-forged



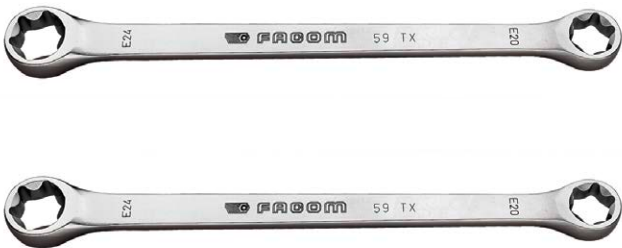
Title	Wrench size	Length	PU Piece	Article No.
Ring wrench half-moon	10 x 13	150 mm	1	133458
Ring wrench half-moon	11 x 13	150 mm	1	133459

INTERNAL/Approved (2019-03-22 16:44:51)

Double Ring Clamp Wrench Torx

Characteristics

- High resistance



Title	Wrench size	Length	PU Piece	Article No.
59TX.6X8 DOUB RING CLAMP,TORX	6 x 8	115 mm	1	834858*
59TX.10X12 DOUB RING CLA,TORX	10 x 12	150 mm	1	834947
59TX.14X18 DOUB RING CLA,TORX	14 x 18	190 mm	1	834866

\* = The delivery time is 10 days  
AGR: 03.410

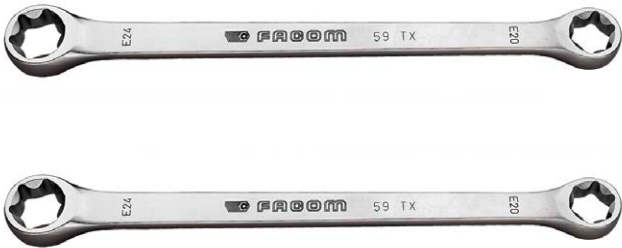
Double Ring Wrench Set

Scope Of Delivery

- Four-parted set: SW E6xE8, E10xE12, E14xE18, E20xE24

Title	Content	PU Piece	Article No.
59TX.J4 DOUB. R.G SPAN. SET	4 PC	1	834882

AGR: 03.410



Socket spanners, rachets, spanners

Double Ring Ratchet Wrench Set, Greater Offset

- Versatile, I-Socket-profile covers all standard 6-Kant, 12 Kant, customs and foreign-TX-screws from
- Ratchet with a simple forward / reverse switch
- Applicable even in tight spaces because the rachets little space is needed (only 4 °) due to the fine-toothed ratchet with 90 teeth

Characteristics

- Delivery with Berner storage and transport case which includes foam inlay, suitable for Evolution and Revolution workshop trolley systems



Title	PU Set	Article No.
Double Ring Ratchet Wrench	1	082419
AGR: 03.701		
Scope Of Supply	Amount	Article No.
Ring Ratchet Wrench 8x10 mm	1	-
Ring Ratchet Wrench 12x14 mm	1	-
Ring Ratchet Wrench 13x15 mm	1	-
Ring Ratchet Wrench 16x18 mm	1	-
Ring Ratchet Wrench 17x19 mm	1	-

Ring Ratchet Tube Spanner

- Easy to attach to Hoses or Pipes
- Secure fit on the screw connection
- Very slender construction
- Due to the ratchet system, do not remove the spanner from the screw connection for adjusting.
- Very good to use with tight hydraulic lines or similar
- The additional joint can be used almost anywhere

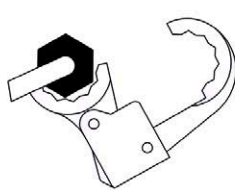
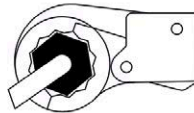
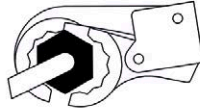
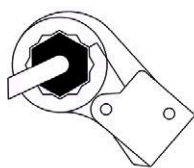
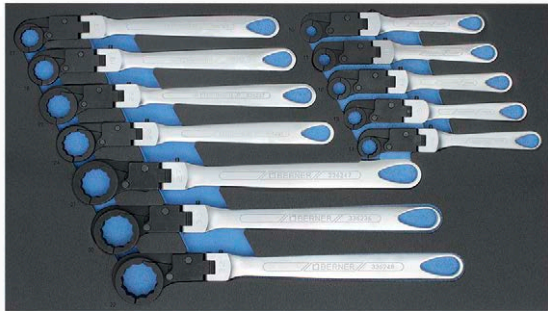
Application Area

- For loosening and tightening pipe or pipe fittings

Title	Wrench size	PU Piece	Article No.
Ring Ratchet Tube Spanner	10	1	336246
Ring Ratchet Tube Spanner	11	1	336239
Ring Ratchet Tube Spanner	12	1	336244
Ring Ratchet Tube Spanner	13	1	336241
Ring Ratchet Tube Spanner	14	1	336238
Ring Ratchet Tube Spanner	17	1	336243
Ring Ratchet Tube Spanner	19	1	336242
Ring Ratchet Tube Spanner	22	1	336237
Ring Ratchet Tube Spanner	24	1	336245
Ring Ratchet Tube Spanner	27	1	336247
Ring Ratchet Tube Spanner	30	1	336236
Ring Ratchet Tube Spanner	32	1	336248

AGR: 03.007

Related Products	PU Amount	Article No.
Foam Inlay with Ring Ratchet Tube Spanner	1	336240



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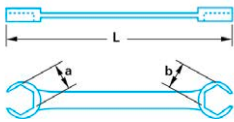
Double-Ended Ring Spanner, Open

Characteristics

- DIN 3118-compliant, heads offset by 15°, chrome vanadium steel, 8 x 10, 11 x 13 and 12 x 14 in hex design, otherwise all in 12-sided

Title	Wrench size	Length	PU Piece	Article No.
Double-Ended Ring Spanner	8 x 10	130 mm	1	037183
Double-Ended Ring Spanner	10 x 11	150 mm	1	037184
Double-Ended Ring Spanner	11 x 13	170 mm	1	037186
Double-Ended Ring Spanner	12 x 14	170 mm	1	037187
Double-Ended Ring Spanner	17 x 19	210 mm	1	037190

AGR: 03.003



Double end Tube Spanner, 8 pc's

- Forged hexagonal shank to be able to attach also wrench or pliers
- Drilled to accommodate long screws, bolts or threaded rods
- Drill holes to be able to be tightened or loosened
- 2 key wrenches on a pipe wrench
- 12-way socket wrench
- Very robust design

Title	Content	PU Piece	Article No.
Double end Tube Spanner, 8 pc's	8 PC	1	336255

AGR: 03.018

Scope Of Supply

	Piece	Article No.
G 626 DO-SKET SPANN 6* 7	1	741957
G 626 DO-SKET SPANN 8* 9	1	741965
G 626 DO-SKET SPANN 10*11	1	741973
G 626 DO-SKET SPANN 12*13	1	741981
G 626 DO-SKET SPANN 14*15	1	741990
G 626 DO-SKET SPANN 16*17	1	742007
G 626 DO-SKET SPANN 18*19	1	742023
G 626 DO-SKET SPANN 20X22	1	158514



INTERNAL/Approved (2019-03-22 16:45:21)

Socket spanners, rachets, spanners

Accessories Available	PU Amount	Article No.
G 626 STAGES-TOMMY BAR S1	1	742090
G 626 STAGES-TOMMY BAR S2	1	742104

Socket Wrench G626



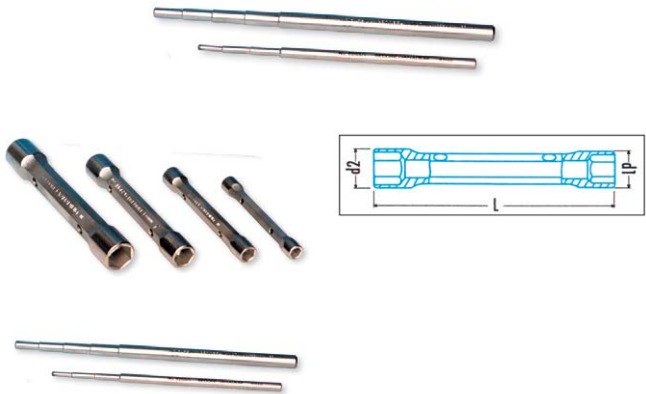
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Title	Dimension	Wrench size	Length	PU Piece	Article No.
G 626 DO-SKET SPANN 6* 7	6 mm x 7 mm / 105 mm	6 x 7	105 mm	1	741957
G 626 DO-SKET SPANN 8* 9	8 mm x 9 mm / 110 mm	8 x 9	110 mm	1	741965
G 626 DO-SKET SPANN 10*11	10 mm x 11 mm / 120 mm	10 x 11	120 mm	1	741973
G 626 DO-SKET SPANN 12*13	12 mm x 13 mm / 140 mm	12 x 13	140 mm	1	741981
G 626 DO-SKET SPANN 14*15	14 mm x 15 mm / 145 mm	14 x 15	145 mm	1	741990
G 626 DO-SKET SPANN 16*17	16 mm x 17 mm / 155 mm	16 x 17	155 mm	1	742007
G 626 DO-SKET SPANN 18*19	18 mm x 19 mm / 165 mm	18 x 19	165 mm	1	742023
G 626 DO-SKET SPANN 20X22	20 mm x 22 mm / 175 mm	20 x 22	175 mm	1	158514

AGR: 03.019

Socket Wrench



3

Title	Length	PU Piece	Article No.
G 626 STAGES-TOMMY BAR S1	100 mm	1	742090
G 626 STAGES-TOMMY BAR S2	170 mm	1	742104

AGR: 03.017

Combination ratchet straight

- Fine toothed straight ring ratchet wrench
- For hard-to-reach places
- No interfering switch
- 5 ° ratchet angle
- 12-point ring mount
- 15 ° angled key

Characteristics

- Chrome-Vanadium steel



Title	Wrench size	Length	PU Piece	Article No.
Straight Open-Jawed and Ring Ratchet Wrench	8	140 mm	1	336363
Straight Open-Jawed and Ring Ratchet Wrench	9	148 mm	1	336357
Straight Open-Jawed and Ring Ratchet Wrench	10	160 mm	1	336353
Straight Open-Jawed and Ring Ratchet Wrench	11	165 mm	1	336360
Straight Open-Jawed and Ring Ratchet Wrench	12	170 mm	1	336355
Straight Open-Jawed and Ring Ratchet Wrench	13	178 mm	1	336352
Straight Open-Jawed and Ring Ratchet Wrench	14	190 mm	1	336358
Straight Open-Jawed and Ring Ratchet Wrench	15	200 mm	1	336350
Straight Open-Jawed and Ring Ratchet Wrench	16	205 mm	1	336356
Straight Open-Jawed and Ring Ratchet Wrench	17	225 mm	1	336359
Straight Open-Jawed and Ring Ratchet Wrench	18	236 mm	1	336361
Straight Open-Jawed and Ring Ratchet Wrench	19	248 mm	1	336362
Straight Open-Jawed and Ring Ratchet Wrench	21	274 mm	1	170377
Straight Open-Jawed and Ring Ratchet Wrench	22	279 mm	1	170378
Straight Open-Jawed and Ring Ratchet Wrench	24	310 mm	1	170379
Straight Open-Jawed and Ring Ratchet Wrench	27	331 mm	1	170380
Straight Open-Jawed and Ring Ratchet Wrench	30	389 mm	1	170381
Straight Open-Jawed and Ring Ratchet Wrench	32	415 mm	1	170382

AGR: 03.007

Related Products

	PU Amount	Article No.
Foam Inlay with Fork/Ring-Ratchet Spanner, Straighth	1	336349

INTERNAL/Approved (2019-03-22 16:45:43)

# Articulated Open-Ended with Ring Ratchet Wrench

## Characteristics

- Ring ratchet with 72 teeth, 12-sided ring, also ideally suited to hard-to-access places

## Scope Of Delivery

- 4-piece set comprising:
- Wrench size 10 - 13 - 17 - 19 mm
- 12-piece set comprising:
- Wrench size 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 mm

Title	PU Set	Article No.
COMBI-RATCHET-SET FLEX 12 PCS.	1	042796

AGR: 03.008

Scope Of Supply	Piece	Article No.
Articulated Open-Jawed with Ring Ratchet Wrench 8 mm	1	169641
Articulated Open-Jawed with Ring Ratchet Wrench 9 mm	1	169642
Articulated Open-Jawed with Ring Ratchet Wrench 10 mm	1	169643
Articulated Open-Jawed with Ring Ratchet Wrench 11 mm	1	169646
Articulated Open-Jawed with Ring Ratchet Wrench 12 mm	1	169645
Articulated Open-Jawed with Ring Ratchet Wrench 13 mm	1	169644
Articulated Open-Jawed with Ring Ratchet Wrench 14 mm	1	169640
Articulated Open-Jawed with Ring Ratchet Wrench 15 mm	1	169635
Articulated Open-Jawed with Ring Ratchet Wrench 16 mm	1	169636
Articulated Open-Jawed with Ring Ratchet Wrench 17 mm	1	169637
Articulated Open-Jawed with Ring Ratchet Wrench 18 mm / 240 mm	1	169638
Articulated Open-Jawed with Ring Ratchet Wrench 19 mm	1	169639

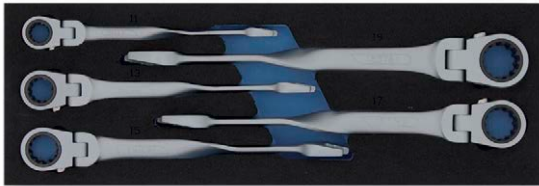


Hard foam inlay with Dolphin shaft ring ratchet wrench set with joint

- Open-end spanner with 15° chamfer
- Ratchet combination spanner with an I-socket profile
- Outside ratchet head for sunken screws
- Twisted handle, therefore the spanner lies better in the hand
- In a Smartbox with a foam inlay

Scope Of Delivery

- 1 combination wrench per joint  
SW 10 - 13 - 15 - 17 - 19 mm



3

Title	Outside dimension W x H x D	PU Piece	Article No.
DOLPHIN TWISTER WRENCH SET	110 x 33 x 337 mm	1	183766

AGR: 03.701

Scope Of Supply

	Piece	Article No.
Dolphin Twister Wrench 10mm	1	183765
Dolphin Twister Wrench 13mm	1	183764
Dolphin Twister Wrench 15mm	1	183763
Dolphin Twister Wrench 17mm	1	183762
Dolphin Twister Wrench 19mm	1	183761

Hard Foam Inlet with Non-Slip Combination Ratcheting Box-End Wrench

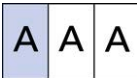
- Versatile applicable due to the I-socket-profile on the ring ratchet, covers all common square, hexagonal, ten-sectioned, double hex, multi-toothed, inch and outside-TXT-screws
- Ratchet with left/righ switch, 15° angled
- Applicable even on tigh areas, because during the ratchering only little space is needed (only for 4°) on the basis of the finely toothed ratchet with 90 teeth
- Now profile (non-slip) at the open-end enables also application on screw heads and nuts, which are 60% rounded

Hints

- Suitable for Smart-Box empty 43572

Scope Of Delivery

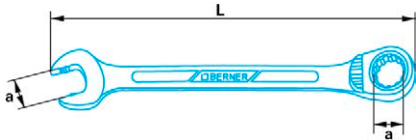
- Each 1 Fork-Ring Ratchet Wrench Non-Slip WS 8 - 10 - 11 -12 - 13 - 14 - 15 - 16 - 17 - 18 - 19



Title	Outside dimension W x H x D	PU Assortment	Article No.
FOAMLINING+NON-SLIP	228 x 33 x 337 mm	1	043942

AGR: 03.701

Fork Ring Ratchet NON-SLIP



Title	Wrench size	Length	PU Piece	Article No.
Non-Slip Op.-Jawed a. Ring Rat. Wrench Set	8	144 mm	1	038344
Non-Slip Open-Jaw. Ring Ratchet Wr. Set	10	158 mm	1	038345
Non-Slip Open-Jaw. and Ring Rat. Wr. Set	11	165 mm	1	038346
Non-Slip Open-Jawed Ring Ratchet Wr. Set	12	173 mm	1	038347
Non-Slip Open-Jaw. and Ring Rat. Wrench Set	13	182 mm	1	038348
Non-Slip Op.-Jawed a. Ring Rat. Wr. Set	14	190 mm	1	038349
Non-Slip Open-Jaw. a. Ring Rat. Wrench Set	15	202 mm	1	038350
Non-Slip Op.-Jawed a. Ring Ratchet Wr. Set	16	216 mm	1	038351
Non-Slip Open-Jaw. a. Ring Ratchet Wr. Set	17	230 mm	1	038352
Non-Slip Op.-Jawed, Ring Ratchet Wr. Set	18	240 mm	1	038353
Non-Slip Op.-Jaw. Ring Ratchet Wr. Set	19	252 mm	1	038354

AGR: 03.007

Reversible ratchet wrench DUO Gear Set

- Unique ratchet wrench with ratchet function on the mouth side
- Ideal for pipe fittings in confined spaces
- Ring side exactly 72 tooth
- To change direction of rotation simply turn the key
- Robust and durable ratchet for high tightening torques

Hints

- 5-piece set consisting of:
- Depending 1 x ratchet wrench DUO Gear SW 8, 10, 13, 17, 19 mm

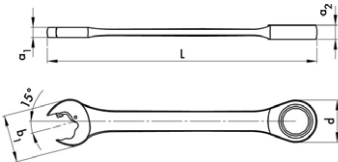


Title	Content	PU Piece	Article No.
DUOGEAR 8, 10,13,17,19	5 PC	1	134957
AGR: 03.008			
Scope Of Supply		Piece	Article No.
Duogear 8mm		1	134958
Duogear 10mm		1	-
Duogear 13mm		1	134950
Duogear 17mm		1	134955
Duogear 19mm		1	134956

Ring spanner straight - DUOGEAR



3



Title	Wrench size	Length	PU Piece	Article No.
DUOGEAR 8MM	8	140 mm	1	134958
DUOGEAR 11MM	11	166 mm	1	134942
DUOGEAR 12MM	12	172 mm	1	134943
DUOGEAR 13MM	13	178 mm	1	134950
DUOGEAR 14MM	14	191 mm	1	134951
DUOGEAR 15MM	15	200 mm	1	134952
DUOGEAR 16MM	16	208 mm	1	134954
DUOGEAR 17MM	17	226 mm	1	134955
DUOGEAR 18MM	18	236 mm	1	134936
DUOGEAR 19MM	19	248 mm	1	134956

AGR: 03.007

Related Products

	PU Piece	Article No.
Duogear 8, 10, 13, 17, 19	1	134957

INTERNAL/Approved (2019-03-22 16:46:32)

Ring Ratchet Wrench

Characteristics

- 12 Squared, chrome vanadium steel

Title	Wrench size	Length	PU Piece	Article No.
Modified Offset Ring Ratchet Wrench	10 x 11	200 mm	1	048925
Modified Offset Ring Ratchet Wrench	12 x 14	230 mm	1	048933

AGR: 03.007



Ring Ratchet Set

- Saves space and costs - 2 wrenchs cover 8 width across flats (SW 8 - 10 - 12 - 13 - 14 - 17 - 18 - 19 mm)
- Needs little space at the ratchet process (only 5°), therefore also optimal for narrow space, due to a 72 teeth toothed ratchet with a right/left switchover
- The latterally attached switch enable a switching from all sides



3



INTERNAL/Approved (2019-03-22 16:46:49)

Title	PU Set	Article No.
8 IN 2 RINGRATCHET SET	1	082118

AGR: 03.008

Scope Of Supply	Piece	Article No.
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Socket spanners, rachets, spanners

Ring Ratchet

- 4 width across flats (SW 10, 13, 17 and 19) in one socket wrench
- Lateral attached switch



Title	Length	PU Piece	Article No.
4IN1 RING RATCHET SPANNER	220 mm	1	129642

AGR: 03.007

3

Adapter for Ring Ratchet Wrench



Title	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
1/2" Nut Adapter	4KT	1/2 "	29 mm	1	002271
3/8" Nut Adapter	4KT	3/8 "	22 mm	1	002273
1/4" Nut Adapter	4KT	1/4 "	17 mm	1	002272

AGR: 03.017

INTERNAL/Approved (2019-03-22 16:46:54)

VDE box wrench set, 12 pieces

Title	Content	PU Piece	Article No.
VDE RING WRENCH SET 12 PC'S	12 PC	1	183877
AGR: 03.003			
Scope Of Supply		Piece	Article No.
VDE Ring Wrench 17mm		1	183873
VDE Ring Wrench 10mm		1	183867
VDE Ring Wrench 11mm		1	183868
VDE Ring Wrench 12mm		1	183869
VDE Ring Wrench 13mm		1	183870
VDE Ring Wrench 14mm		1	183871
VDE Ring Wrench 15mm		1	183872
VDE Ring Wrench 19mm		1	183874
VDE Ring Wrench 22mm		1	183875
VDE Ring Wrench 24mm		1	183876
VDE Ring Wrench 8mm		1	183865
VDE Ring Wrench 9mm		1	183866

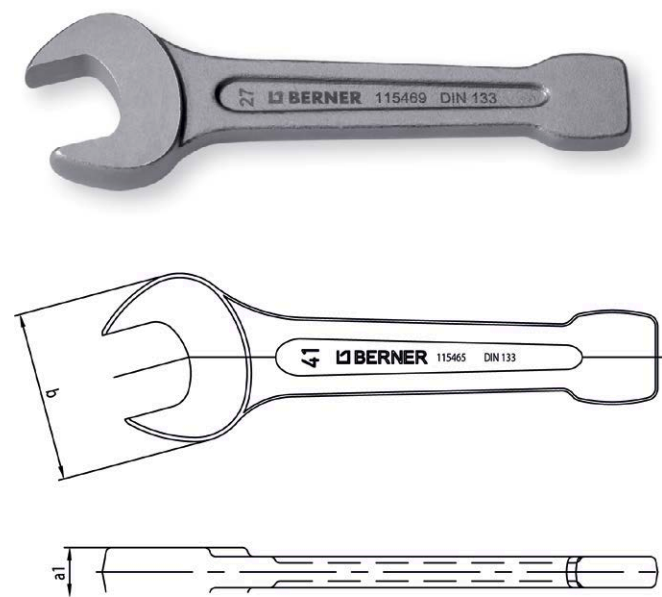


Impact Open-end Wrench

- For the heaviest loads
- DIN 113-compliant

Characteristics

- - Jaw position 15 °



Title	Wrench size	B1	A1	L	PU Piece	Article No.
Impact Open-end Wrench	27	55 mm	15 mm	180 mm	1	115469
Impact Open-end Wrench	30	61 mm	16 mm	190 mm	1	115468
Impact Open-end Wrench	32	67 mm	18 mm	190 mm	1	115467
Impact Open-end Wrench	36	76 mm	19 mm	210 mm	1	115466
Impact Open-end Wrench	41	88 mm	20 mm	225 mm	1	115465
Impact Open-end Wrench	46	97 mm	21 mm	250 mm	1	115464
Impact Open-end Wrench	50	109 mm	21 mm	275 mm	1	115463
Impact Open-end Wrench	55	118 mm	23 mm	300 mm	1	115462
Impact Open-end Wrench	60	126.5 mm	24 mm	320 mm	1	115461
Impact Open-end Wrench	65	138 mm	27 mm	340 mm	1	115459
Impact Open-end Wrench	70	155 mm	29 mm	365 mm	1	115458
Impact Open-end Wrench	75	160 mm	30 mm	378 mm	1	115457
Impact Open-end Wrench	80	174 mm	34 mm	400 mm	1	115456
Impact Open-end Wrench	85	174 mm	34 mm	400 mm	1	115472
Impact Open-end Wrench	90	195 mm	42 mm	440 mm	1	115473
Impact Open-end Wrench	95	195 mm	42 mm	440 mm	1	115475
Impact Open-end Wrench	100	230 mm	45 mm	470 mm	1	115474

AGR: 03.006

INTERNAL/Approved (2019-03-22 16:47:09)

Impact Box Wrench

- For the heaviest loads
- DIN 7444-compliant



Title	Wrench Width	Head thickness	Head width	Length	PU Piece	Article No.
Dolphin Twister Wrench	24 mm	15 mm	42 mm	160 mm	1	198595
Impact Box Wrench	27 mm	16 mm	43 mm	180 mm	1	115796
Dolphin Twister Wrench	26 mm	16 mm	46 mm	180 mm	1	198596
Impact Box Wrench	30 mm	16.5 mm	49 mm	195 mm	1	115795
Impact Box Wrench	32 mm	17 mm	51 mm	195 mm	1	115835
Impact Box Wrench	36 mm	18.5 mm	58 mm	205 mm	1	115834
Impact Box Wrench	41 mm	20.5 mm	65 mm	230 mm	1	115427
Impact Box Wrench	46 mm	22 mm	73 mm	240 mm	1	115426
Impact Box Wrench	50 mm	23 mm	78 mm	255 mm	1	115425
Impact Box Wrench	55 mm	25 mm	86 mm	265 mm	1	115419
Impact Box Wrench	60 mm	25 mm	93 mm	275 mm	1	115416
Impact Box Wrench	65 mm	28 mm	102 mm	290 mm	1	115415
Impact Box Wrench	70 mm	32.5 mm	109 mm	320 mm	1	115413
Impact Box Wrench	75 mm	34 mm	115 mm	335 mm	1	115412
Impact Box Wrench	80 mm	35.5 mm	122.5 mm	360 mm	1	115411
Impact Box Wrench	85 mm	36.5 mm	130 mm	360 mm	1	115409
Impact Box Wrench	100 mm	40 mm	150 mm	390 mm	1	115428
Impact Box Wrench	90 mm	40 mm	150 mm	390 mm	1	115471
Impact Box Wrench	95 mm	40 mm	150 mm	390 mm	1	115470

AGR: 03.005

INTERNAL/Approved (2019-03-22 16:47:22)

Impact Spanner E-TX 24

- Suitable for instance for MAN, TGA, TGS and TGX
- Therefore no need to disassembly the steering arm

Application Area

- Easy release of the brake caliper crew joint on the front axis and trailing axis



Title	PU Piece	Article No.
KL-1070-1024A IMPACTWRE. TXE24	1	242674
AGR: 03.005		

Pull Ring Wrench

- For the heaviest loads

Characteristics

- - Offset



Title	Wrench Width	Head thickness	Head width	Length	PU Piece	Article No.
Pull Ring Wrench	24 mm	17 mm	37 mm	180 mm	1	115765
Pull Ring Wrench SW	27 mm	18 mm	42 mm	190 mm	1	115764
PULL RING WRENCH 30	30 mm	20 mm	46 mm	200 mm	1	115762
Pull Ring Wrench	32 mm	21 mm	49 mm	235 mm	1	115757
Pull Ring Wrench	36 mm	22 mm	54 mm	245 mm	1	115756
Pull Ring Wrench	41 mm	25 mm	61 mm	270 mm	1	115754
Pull Ring Wrench SW	46 mm	26 mm	61 mm	280 mm	1	115752
Pull Ring Wrench	50 mm	26 mm	68 mm	290 mm	1	115746
Pull Ring Wr.	55 mm	30 mm	79 mm	300 mm	1	115832
Pull Ring Wrench SW 60	60 mm	32 mm	89 mm	345 mm	1	115831
PULL RING WRENCH 65	65 mm	34 mm	98 mm	355 mm	1	115830

AGR: 03.003

Accessories Available

	PU Piece	Article No.
Socket Pipe Pull Ring Wrench 24-30	1	115809
Socket Pipe Pull Ring Wrench 32-41	1	115807
Socket Pipe Pull Ring Wrench 46-55	1	115806
Socket Pipe Pull Ring Wrench 60-100	1	115797

INTERNAL/Approved (2019-03-22 16:47:36)

Multi Ratchet

- Can be used as ratchet wrench or screwdriver
- Wrench swivel head with three locking positions for many different work spaces

Scope Of Delivery

- Multi ratchet
- Belt pouch
- 1 bit adapter 1/4 "
- 1 change magazine with 12 bits (LS, PH1, PH2, PI1, PZ2, PZ3, TX10, TX15, TX20,
- 1 change magazine with 6 socket wrench inserts (6, 8, 9, 10, 12, 13 mm)



Title	Drive	PU Piece	Article No.
Multi Ratchet	1/4"	1	171147

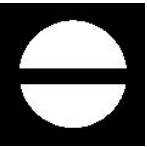
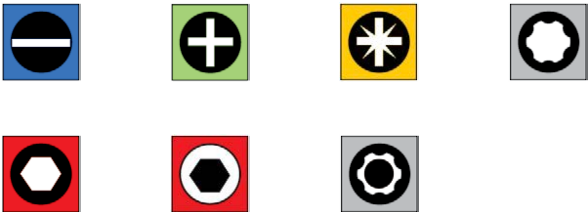
AGR: 03.108

Scope Of Supply

	Piece	Article No.
High-Quality Bit 1/4"	1	890286
High Quality Bit 1/4" Torx TX30 25 mm	1	261840
High Quality Bit 1/4" Philips PH1 25 mm	1	070181
High-Quality Bit 1/4" Philips PH2 25 mm	1	070190
High Quality Bit 1/4" Pozidrive PZ1 25 mm	1	051098
High Quality Bit 1/4" Pozidrive PZ2 25 mm	1	051101
High Quality Bit 1/4" Pozidrive PZ3 25 mm	1	118052
High Quality Bit 1/4" Torx TX10 25 mm	1	261815
High Quality Bit 1/4" Torx TX15 25 mm	1	288551
High Quality Bit 1/4" Torx TX20 25 mm	1	246999
High Quality Bit 1/4" Torx TX25 25 mm	1	247006
High Quality Bit 1/4" Torx TX40 25 mm	1	261858
Hex Socket Wrench Insert 1/4" 6 mm	1	155927

Socket spanners, rachets, spanners

Scope Of Supply	Piece	Article No.
Hex Socket Wrench Insert 1/4" 8 mm	1	155929
Hex Socket Wrench Insert 1/4" 9 mm	1	155930
Hex Socket Wrench Insert 1/4" 10 mm	1	155931
Hex Socket Wrench Insert 1/4" 12 mm	1	155933
Hex Socket Wrench Insert 1/4" 13 mm	1	155935
Spare Parts	PU Piece	Article No.
Elasto Bit 1/4" Philips PH1 25 mm	1/10	029140
Elasto Bit 1/4" Pozidrive PZ1 25 mm	1/10	134550
Torsion-Bit 1/4" TX 10 L25	1/10	029162
Elasto Bit 1/4" Torx TX 30 25 mm	1/10	000455



Voltage Tester

- Non-contact voltage tester
- 2-component handle for optimum handling and power transmission

Application Area

- Quick and easy to find breaks in cables

Characteristics

- 10,000 V dielectric strength individually tested in accordance with EN 60900, blade made from high quality chrome vanadium steel, handy slot for storage

Processing Information

- Work on standing under voltages up to AC 1000 V parts, if the statutory provisions and safety measures are observed

Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Voltage Tester	LS 3 x 0.5 mm	65 mm	140 mm	1	098104

AGR: 03.106

Screwdrivers, bits and bit holders

Screwdriver

Characteristics

- Height 150 mm

Scope Of Delivery

- 60 radia screwdriver, blade lenght 40 - 60 - 80 mm sorted

Title	PU Piece	Article No.
3230 SCREWDR.STAND. AGR: 03.101	1	818962



3

Screwdriver Flexible 2K

- Flexible and with a spherical head

Application Area

- Especially for the adjusting of windows
- Insert for screws with an internal hexagonal drive

Technical Data

Grip Material	2 component handle
Impact Cap	No



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
DRIVER FLEX 200MM SW4 MM AGR: 03.101	6KT 4	285 mm	405 mm	1	085897

INTERNAL/Approved (2019-03-22 16:48:40)

VDE reversing blade set, 19 pieces

- All necessary VDE-screwdrivers and electrical cabinet keys are quickly accessible
- Quick change of blade
- Due to special caps, the bits can also be used for precise screwing work
- Practical roll-up case with a velcro fastener and a belt holder

Characteristics

- Individually tested on 10.000 V dielectric strength, according to EN 60900, blade made out of high-quality chrome-vanadium-steel, functional slot for storage.
- The 2K-handle is resistant against fluids like petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	PU Piece	Article No.
VDE CHANGING BLADE SET 15PCS	1	185613
AGR: 03.105		
Scope Of Supply	Piece	Article No.
VDE CHANGING BLADE SLOT 2,5	1	185611
VDE Changing blade LS 3,5 x 0,6 87 mm	1	084707
VDE Changing blade LS 4 x 0,8 87 mm	1	-
VDE CHANGING BLADE SLOT 5,5	1	185610
VDE-BLADE HOLDER SLOT 6,0	1	-
VDE Changing blade PH 1 87 mm	1	084714
VDE Changing blade PH 2 87 mm	1	084715
VDE Changing blade PZ 1 87 mm	1	084712
VDE Changing blade PZ 2 87 mm	1	084713
VDE CHANGING BLADE TX 10	1	185609
VDE CHANGING BLADE TX 15	1	185608
VDE CHANGING BLADE TX 20	1	185266
VDE CHANGING BLADE HOLDER	1	185278
VDE CHANGING BLADE TURNIG HEAD	1	185279
Slotted Voltage Detector Screwdriver	1	-

Screwdrivers, bits and bit holders

Accessories Available	PU Piece	Article No.
VDE CHANGING BLADE SQUAR. 6 MM	1	185268
VDE CHANGING BLADE SQUAR. 8 MM	1	185267
VDE CHANGING BLADE TRINAGLE	1	185269
VDE CHANGING BLADE WING PIN5,3	1	185270

Screwdrivers, bits and bit holders

Bit depot long

- Robust housing with nubs ensures a powerful screwing
- Rotatable, retractable and extractable bit-depot ensures a quick choice of the bit
- Magnetic bit holder
- Shaft made out of stainless steel

Scope Of Delivery

- Includes 12 high-quality bits, 25 mm: TX15, TX20, TX25, TX30, LS 4.5, LS 6.5, PZ1, PZ2, PZ3, PH1, PH2 and PH3

Title	Content	PU Piece	Article No.
BIT DEPOT SCREWDRIVER LONG	12 PC	1/3/5	188124

AGR: 03.108

Bit automatic screwdriver compact

- 6 screwdriver in a
- Compact size (total length 118 mm)
- Ideal for tight spaces
- magnetic bit holder
- Stainless steel shaft

Scope Of Delivery

- Includes 6 high quality bits, 25 mm, TX15, TX20, LS4, LS6, PH1, PH2

Title	Content	PU Piece	Article No.
BIT DEPOT SCREWDRIVER SHORT	6 PC	1	188125

AGR: 03.108



INTERNAL/Approved (2019-03-22 16:49:05)

Telescopic Screwdriver Bit Set

- Time advantages – required screwdriver bits are always ready, the most important and used bits are stored tidily and clearly in foldable poach
- Problem solving – can be used in narrow areas thanks to changing from standard long screwdriver to a short screwdriver in one movement, because its length can be adjusted from 235 mm to 158 mm with 25 different fastening levels
- Ideal design handle – cellulose acetate resistant to oil and chemicals, micro-sensitive structure, provides better power transfer even with oily hands

Title	PU Set	Article No.
Screwdriver Bit Set	1/3/5	042620
AGR: 03.108		
Scope Of Supply	Piece	Article No.
Combi Bit Flat 3,5 x 4,5 mm	1	042627
Combi Bit Flat 5,5 x 6,5 mm	1	042628
Combi Bit in Inner-Hex Wrench Size 3 x Inner-Hex Wrench Size 3 Ball Head	1	042622
Combi Bit in Inner-Hex Wrench Size 4 x Inner-Hex Wrench Size 4 Ball Head	1	042623
Combi Bit in Inner-Hex Wrench Size 5 x Inner-Hex Wrench Size 5 Ball Head	1	042624
Combi Bit TX 10 x TX 15	1	042631
Combi Bit TX 20 x TX 25	1	042632
Combi Bit TX 30 x TX 40	1	042634
Combi Bit PH 1 x PH 2	1	042630
Combi Bit PZ 1 x PZ 2	1	042629
Handle	1	042621
(643453_22_1_AT01_Rolltasche)	1	-



INTERNAL/Approved (2019-03-22 16:49:14)

Screwdrivers, bits and bit holders

XL Double-End Bit TX/RTX Set

- Extra-long blade with 300 mm
- Very slim design of the blades
- Handle used as a screwdriver or T-handle
- TX and R-TX execution of a blade
- 1/4 "6-socket blades
- Practical Tool Roll

Application Area

- Well suited for deep or hard to reach screws

Title	PU Piece	Article No.
XL DOUBLE-END BIT TX/RTX SET 8	1	207757
AGR: 03.108		
Scope Of Supply	Piece	Article No.
XL DOUBLE-END BIT TX/RTX 10	1	207762
XL DOUBLE-END BIT TX/RTX 15	1	207763
XL DOUBLE-END BIT TX/RTX 20	1	207764
XL DOUBLE-END BIT TX/RTX 25	1	207765
XL DOUBLE-END BIT TX/RTX 27	1	207766
XL DOUBLE-END BIT TX/RTX 30	1	207767
XL DOUBLE-END BIT TX/RTX 40	1	207768
CHANGEABLE HANDLE, XL BIT 1/4"	1	207769



Screwdrivers, bits and bit holders

Impact Screwdriver Set 1/2"-5/16", 6-piece

Application Area

- Loosening and tightening very secure screws by means of hammer impact

Scope Of Delivery

- 1/2" to 5/16" adapter
- 5/16" crosshead power bit, sizes 2 and 3
- 5/16" longitudinal slot power bit, 8 mm and 10 mm
- Steel cardridge



Title	PU Set	Article No.
Impact Screwd. Set 1/2"-5/16", 6-part	1	070858

AGR: 03.105

Accessories Available	PU Piece	Article No.
ENP.201 SCR.INSERT GR.1 PH	1	880044
ENP.202 SCR.INSERT SZ.2 PH	1	111371
ENP.203 SCR.INSERT SZ.3 PH	1	111372
ENP.204 SCR.INSERT SZ.4 PH	1	111373
ENS.208 SCR.INSERT LS	1	859484
ENS.210 SCR.INSERT LS	1	859491
ENS.212 SCR.INSERT LS	1	700070
ENS.314 SCR.INSERT LS	1	838564

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Screwdriver Assort. 2K premium with beating cap SL/PH

- Impact cap with force drive for transmitting high torque
- Perfect fast turning due to slim ergonomic handle
- Hexagonal profile blade with hex nut
- Satin chrome blade for optimal corrosion protection

Characteristics

- Non-stop, high-quality hexagon blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Title	Type	PU Set	Article No.
Scr.dr. as. 2K premium w. beat. c. SL/PH	Carton	1	240280
Scr.dr. as. 2K premium w. beat. c. SL/PH	Hard foam inlay	1	240279

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screwdriver 2K Premium with beating cap PH 2 x 100	1	218385
Screwdriver 2K Premium with beating cap PH 1 x 80	1	218384
Screwdriver 2K Premium with beating cap PH 3 x 150	1	218386
Screwdriver 2K Premium with beating cap SL 4,5 x 90	1	218377
Screwdriver 2K Premium with beating cap SL 5,5 x 100	1	218378
Screwdriver 2K Premium with beating cap SL 7,0 x 125	1	218379
Screwdriver 2K Premium with beating cap SL 8,0 x 150	1	218380

Accessories Available	PU Amount	Article No.
Screw driver 2K Premium Force system handle 6KT	1	218399
INLETT EMPTY 240279	1	248646



Screwdriver Assort. 2K premium with beating cap SL/PH/PZ

- Impact cap with force drive for transmitting high torque
- Perfect fast turning due to slim ergonomic handle
- Hexagonal profile blade with hex nut
- Satin chrome blade for optimal corrosion protection

Characteristics

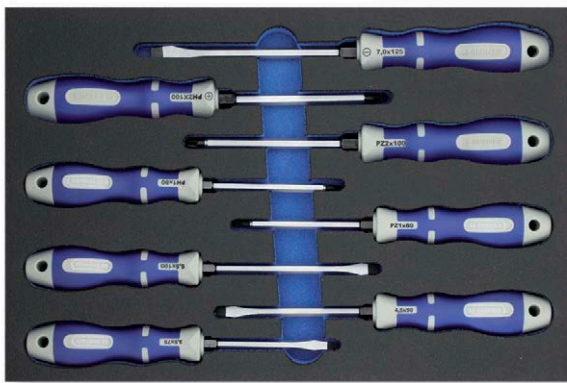
- Non-stop, high-quality hexagon blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Title	Type	PU Set	Article No.
Scr.dr. as. 2K prem. w. beat. cap SL/PH/PZ	Carton	1	240283
Scr.dr. as. 2K prem. w. bea. c. SL/PH/PZ	Hard foam inlay	1	240282

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screwdriver 2K Premium with beating cap PH 2 x 100	1	218385
Screwdriver 2K Premium with beating cap PH 1 x 80	1	218384
Screwdriver 2K Premium with beating cap PZ 2x100	1	218389
Screwdriver 2K Premium with beating cap PZ 2x80	1	218388
Screwdriver 2K Premium with beating cap SL 3,5 x 75	1	218376
Screwdriver 2K Premium with beating cap SL 4,5 x 90	1	218377
Screwdriver 2K Premium with beating cap SL 5,5 x 100	1	218378
Screwdriver 2K Premium with beating cap SL 7,0 x 125	1	218379

Accessories Available	PU Amount	Article No.
INLETT EMPTY 240282	1	248647



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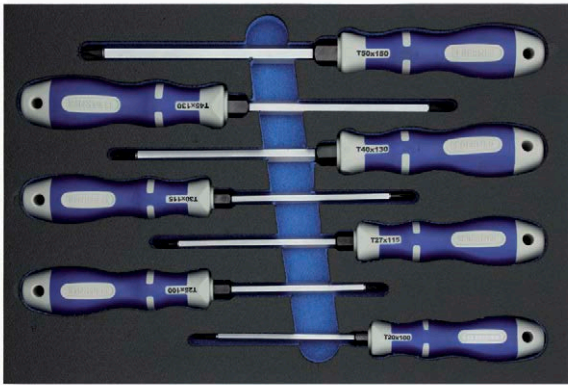
Screwdrivers, bits and bit holders

Screw driver Assort. 2K premium with beating cap TX

- Impact cap with force drive for transmitting high torque
- Perfect fast turning due to slim ergonomic handle
- Hexagonal profile blade with hex nut
- Satin chrome blade for optimal corrosion protection

Characteristics

- Non-stop, high-quality hexagonal blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Type	PU Set	Article No.
scr.dr. as. 2K prem. w. beat. cap TX	Hard foam inlay	1	240252
scr.dr. as. 2K prem. w. beat. cap TX	Carton	1	240277

AGR: 03.101

Scope Of Supply

	Amount	Article No.
Screwdriver 2K Premium with beating cap TX 20x100	1	218392
Screwdriver 2K Premium with beating cap TX 25x100	1	218393
Screwdriver 2K Premium with beating cap TX 27x115	1	218394
Screwdriver 2K Premium with beating cap TX 30x115	1	218395
Screwdriver 2K Premium with beating cap TX 40x130	1	218396
Screwdriver 2K Premium with beating cap TX 45x130	1	218397
Screwdriver 2K Premium with beating cap TX 50x150	1	218398

Accessories Available

	PU Amount	Article No.
INLETT EMPTY 240252	1	248645

Screwdriver 2K Premium with beating cap SL

- Impact cap with force drive for transmitting high torque
- Perfect fast turning due to slim ergonomic handle
- Hexagonal profile blade with hex nut
- Satin chrome blade for optimal corrosion protection



Characteristics

- Non-stop, high-quality hexagonal blade made out of chrome-vanadium-molybdenum.
- The 2K-handle is resistant against fluids like petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Technical Data

Impact Cap	Yes
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Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screwdriver 2K Premium with beating cap	LS 3.5 x 0.6 mm	75 mm	180 mm	1	218376
Screwdriver 2K Premium with beating cap	LS 4.5 x 0.8 mm	90 mm	195 mm	1	218377
Screwdriver 2K Premium with beating cap	LS 5.5 x 1.0 mm	100 mm	205 mm	1	218378
Screwdriver 2K Premium with beating cap	LS 7.0 x 1.2 mm	125 mm	240 mm	1	218379
Screwdriver 2K Premium with beating cap	LS 8.0 x 1.2 mm	150 mm	275 mm	1	218380
Screwdriver 2K Premium with beating cap	LS 10.0 x 1.6 mm	175 mm	300 mm	1	218381
Screwdriver 2K Premium with beating cap	LS 12.0 x 2.0 mm	200 mm	325 mm	1	218382
Screwdriver 2K Premium with beating cap	LS 14.0 x 2.5 mm	250 mm	375 mm	1	218383

AGR: 03.101

Accessories Available

	PU Amount	Article No.
Screw driver 2K Premium Force system handle 6KT	1	218399

Screwdriver 2K Premium with beating cap PH

- Impact cap with force drive for transmitting high torque
- Perfect fast turning due to slim ergonomic handle
- Hexagonal profile blade with hex nut
- Satin chrome blade for optimal corrosion protection

Characteristics

- Non-stop, high-quality hexagonal blade made out of chrome-vanadium-molybdenum.
- The 2K-handle is resistant against fluids like petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Technical Data

Impact Cap	Yes
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Screwdrivers, bits and bit holders

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screwdriver 2K Premium with beating cap	PH 1	80 mm	185 mm	1	218384
Screwdriver 2K Premium with beating cap	PH 2	100 mm	215 mm	1	218385
Screwdriver 2K Premium with beating cap	PH 3	150 mm	275 mm	1	218386
Screwdriver 2K Premium with beating cap	PH 4	200 mm	325 mm	1	218387

AGR: 03.101

Accessories Available

	PU Amount	Article No.
Screw driver 2K Premium Force system handle 6KT	1	218399

Screw driver 2K Premium with beating cap PZ

- Impact cap with force drive for transmitting high torque
- Perfect fast turning due to slim ergonomic handle
- Hexagonal profile blade with hex nut
- Satin chrome blade for optimal corrosion protection

Characteristics

- Non-stop, high-quality hexagonal blade out of chrome-vanadium-molybdenum.
- The 2K-handle is resistant against fluids like petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Technical Data

Impact Cap	Yes
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Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screwdriver 2K Premium with beating cap	PZ 1	80 mm	185 mm	1	218388
Screwdriver 2K Premium with beating cap	PZ 2	100 mm	215 mm	1	218389
Screwdriver 2K Premium with beating cap	PZ 3	150 mm	275 mm	1	218390
Screwdriver 2K Premium with beating cap	PZ 4	200 mm	325 mm	1	218391

AGR: 03.101

Screw driver 2K Premium with beating cap TX

- Impact cap with force drive for transmitting high torque
- Perfect fast turning due to slim ergonomic handle



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Screwdrivers, bits and bit holders

- Hexagonal profile blade with hex nut
- Satin chrome blade for optimal corrosion protection



Characteristics

- Non-stop, high-quality hexagonal blade out of chrome-vanadium-molybdenum.
- The 2K-handle is resistant against fluids like petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Technical Data

Impact Cap Yes

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screwdriver 2K Premium with beating cap	TX 20	100 mm	205 mm	1	218392
Screwdriver 2K Premium with beating cap	TX 25	100 mm	215 mm	1	218393
Screwdriver 2K Premium with beating cap	TX 27	115 mm	230 mm	1	218394
Screwdriver 2K Premium with beating cap	TX 30	115 mm	230 mm	1	218395
Screwdriver 2K Premium with beating cap	TX 40	130 mm	255 mm	1	218396
Screwdriver 2K Premium with beating cap	TX 45	130 mm	255 mm	1	218397
Screwdriver 2K Premium with beating cap	TX 50	150 mm	275 mm	1	218398

AGR: 03.101

INTERNAL/Approved (2019-03-22 16:50:26)

Screwdrivers, bits and bit holders

Screw driver 2K Premium Force system handle

- Impact cap with force drive for transmitting high torque
- Perfect fast turning due to slim ergonomic handle
- Hexagonal profile blade with hex nut
- Satin chrome blade for optimal corrosion protection

Characteristics

- Non-stop, high-quality hexagonal blade made out of chrome-vanadium-molybdenum.
- The 2K-handle is resistant against fluids like petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



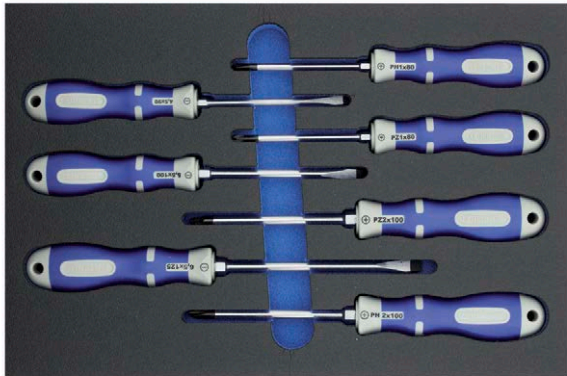
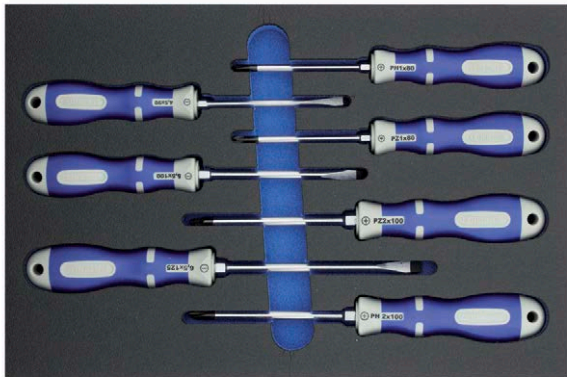
Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K Premium Force system handle	6KT	45 mm	75 mm	1	218399

AGR: 03.101

Screwdrivers, bits and bit holders

Screw driver Assort. 2K Premium SL/PH/PZ

- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle
- Round blade with hex key helps to increase the torque in tight screws
- Optimal corrosion protection due to satin chrome blade



Title	Type	PU Set	Article No.
Screw driver assort. 2K Premium SL/PH/PZ	Carton	1	240285
Screw driver assort. 2K Premium SL/PH/PZ	Hard foam inlay	1	240284

AGR: 03.101

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Screwdrivers, bits and bit holders

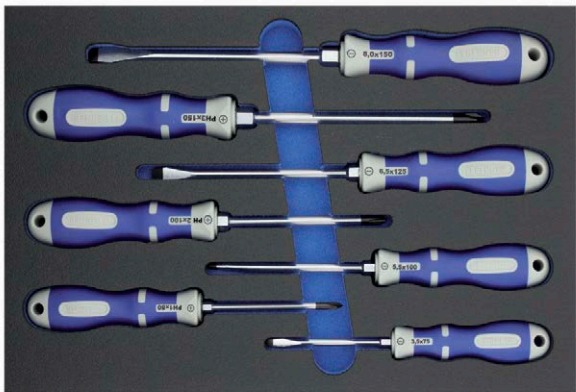
Scope Of Supply	Amount	Article No.
Screw driver 2K Premium PH 1x80	1	218408
Screw driver 2K Premium PH 2x100	1	218409
Screw driver 2K Premium PZ 1x80	1	218412
Screw driver 2K Premium PZ 2x100	1	218414
Screw driver 2K Premium SL 4,5x90	1	218401
Screw driver 2K Premium SL 5,5x100	1	218402
Screw driver 2K Premium SL 6,5x125	1	218403
Accessories Available	PU Amount	Article No.
Hard foam empty set 240284	1	248633

Screw driver Assort. 2K Premium SL/PH

- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle
- Round blade with hex key helps to increase the torque in tight screws
- Optimal corrosion protection due to satin chrome blade

Characteristics

- Non-stop, high-quality hexagon blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Type	PU Set	Article No.
Screw driver assortment 2K Premium SL/PH	Carton	1	240287
Screw driver assort. 2K Premium SL/PH	Hard foam inlay	1	240286

AGR: 03.101

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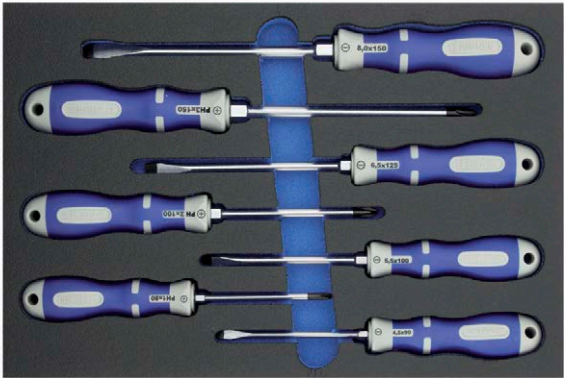
Screwdrivers, bits and bit holders

Scope Of Supply	Amount	Article No.
Screw driver 2K Premium PH 1x80	1	218408
Screw driver 2K Premium PH 2x100	1	218409
Screw driver 2K Premium PH 3x150	1	218410
Screw driver 2K Premium SL 3,5x75	1	218400
Screw driver 2K Premium SL 5,5x100	1	218402
Screw driver 2K Premium SL 6,5x125	1	218403
Screw driver 2K Premium SL 8,0x150	1	218404
Accessories Available	PU Amount	Article No.
INLETT EMPTY 240286	1	248634

3

Screw driver Assort. 2K Premium SL/PH

- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle
- Round blade with hex key helps to increase the torque in tight screws
- Optimal corrosion protection due to satin chrome blade



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Screwdrivers, bits and bit holders

Characteristics

- Non-stop, high-quality hexagon blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Title	Type	PU Set	Article No.
Screw driver assortment 2K Premium SL/PH ctn	Carton	1	240291
Screw driver assort. 2K Premium SL/PH foam	Hard foam inlay	1	240288
Screw driver assort. 2K Premium SL/PH kuko	Plastic box	1	240292

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screw driver 2K Premium PH 1x80	1	218408
Screw driver 2K Premium PH 2x100	1	218409
Screw driver 2K Premium PH 3x150	1	218410
Screw driver 2K Premium SL 4,5x90	1	218401
Screw driver 2K Premium SL 5,5x100	1	218402
Screw driver 2K Premium SL 6,5x125	1	218403
Screw driver 2K Premium SL 8,0x150	1	218404

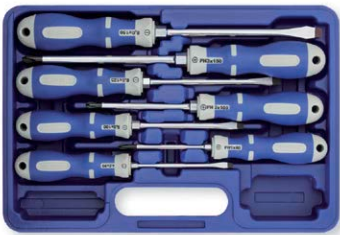
Accessories Available	PU Amount	Article No.
INLETT EMPTY 240288	1	248635

Screw driver 2K Premium SL

- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle
- Round blade with hex key helps to increase the torque in tight screws
- Optimal corrosion protection due to satin chrome blade

Characteristics

- Non-stop, high-quality hexagonal blade made out of chrome-vanadium-molybdenum.
- The 2K-handle is resistant against fluids like petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Screwdrivers, bits and bit holders

Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K Premium SL	LS 3.5 x 0.6 mm	75 mm	170 mm	1	218400
Screw driver 2K Premium SL	LS 4.5 x 0.8 mm	90 mm	195 mm	1	218401
Screw driver 2K Premium SL	LS 5.5 x 1.0 mm	100 mm	205 mm	1	218402
Screw driver 2K Premium SL	LS 6.5 x 1.2 mm	125 mm	240 mm	1	218403
Screw driver 2K Premium SL	LS 8.0 x 1.2 mm	150 mm	275 mm	1	218404
Screw driver 2K Premium SL	LS 10.0 x 1.6 mm	175 mm	300 mm	1	218405
Screw driver 2K Premium SL	LS 12.0 x 2.0 mm	200 mm	325 mm	1	218406
Screw driver 2K Premium SL	LS 14.0 x 2.5 mm	250 mm	375 mm	1	218407

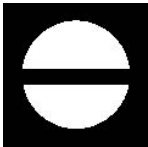
AGR: 03.101

Screw driver 2K Premium SL short

- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle
- Round blade with hex key helps to increase the torque in tight screws
- Optimal corrosion protection due to satin chrome blade

Characteristics

- Short version



Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K Premium SL short	LS 4.0 x 0.8 mm	30 mm	85 mm	1	218417
Screw driver 2K Premium SL short	LS 5.5 x 1.0 mm	30 mm	85 mm	1	218418
Screw driver 2K Premium SL short	LS 6.5 x 1.2 mm	30 mm	85 mm	1	218419

AGR: 03.101

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Screwdrivers, bits and bit holders

Screw driver 2K Premium PH

- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle
- Round blade with hex key helps to increase the torque in tight screws
- Optimal corrosion protection due to satin chrome blade



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K Premium PH	PH 1	80 mm	185 mm	1	218408
Screw driver 2K Premium PH	PH 2	100 mm	215 mm	1	218409
Screw driver 2K Premium PH	PH 3	150 mm	275 mm	1	218410
Screw driver 2K Premium PH	PH 4	200 mm	325 mm	1	218411

AGR: 03.101

Screw driver 2K Premium PH short

- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle
- Round blade with hex key helps to increase the torque in tight screws
- Optimal corrosion protection due to satin chrome blade



Characteristics

- Short version

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K Premium PH short	PH 1	30 mm	85 mm	1	218420
Screw driver 2K Premium PH short	PH 2	30 mm	85 mm	1	218421

AGR: 03.101

Screw driver 2K Premium PZ

- Blade with raised hexagon to increase the transmittable torque with fixing screws
- Optimal quick turning zone with small handle diameter
- Browened blade tip ensures exact accuracy
- A particularly grippy surface distinguishes the 2K handle, which makes it more comfortable and better in the hand, which has a positive effect on the handling and transmission of force.



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K Premium PZ	PZ 1	80 mm	185 mm	1	218412
Screw driver 2K Premium PZ	PZ 2	100 mm	215 mm	1	218414
Screw driver 2K Premium PZ	PZ 3	150 mm	275 mm	1	218415
Screw driver 2K Premium PZ	PZ 4	200 mm	325 mm	1	218416

AGR: 03.101

Screw driver 2K Premium PZ short

- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle
- Round blade with hex key helps to increase the torque in tight screws
- Optimal corrosion protection due to satin chrome blade



Characteristics

- Short version

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K Premium PZ short	PZ 1	30 mm	85 mm	1	218422
Screw driver 2K Premium PZ short	PZ 2	30 mm	85 mm	1	218423

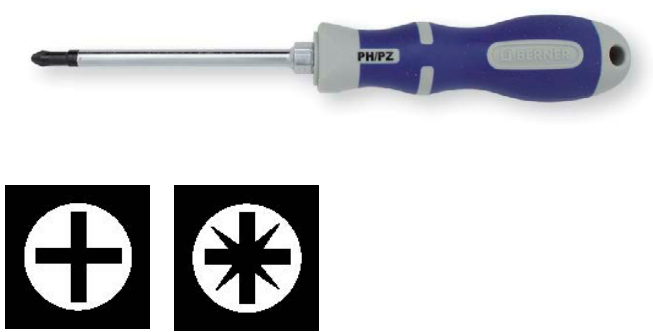
AGR: 03.101

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Screwdrivers, bits and bit holders

Screw driver 2K Premium 6 in 1

- Universal screw driver for 6 different types of screw drives PH 1-2-3, PZ 1-2-3
- Round blade with hex key
- 2K handle with soft elastomer for transmitting high torque
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle



Title	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K Premium 6 in 1 kurz	30 mm	85 mm	1	218425
Screw driver 2K Premium 6 in 1	100 mm	250 mm	1	218424

AGR: 03.101

Screwdriver Inox 6in1 Ph/PZ

- Universal screw driver for 6 different types of screw drives PH 1-2-3, PZ 1-2-3
- Round blade with hex key
- 2K handle with soft elastomer for transmitting high torque

Application Area

- Stainless steel version for special application like food, cleanroom labor and medical

Hints

- The property of stainless steel is that it will not rust. If stainless steel elements or stainless steel screws are processed with tools that are made out of common steel, the output of the conventional tools can stick and therefore rust. This so called extraneous rust can cause structural damage beside the optical damage, which result in high rectification costs. Due to the utilization of stainless steel tools the extraneous output can be prevented.



Title	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver Inox 6in1 Ph/PZ	100 mm	205 mm	1	218369

AGR: 03.101

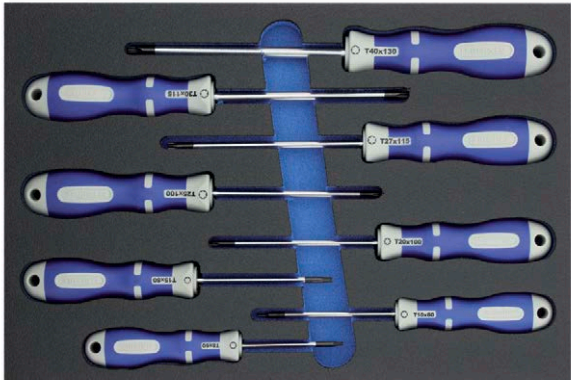
Screw driver Assort. 2K Top TX

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil

Title	Type	PU Set	Article No.
Screw driver ass. 2K top TX	Hard foam inlay	1	240293
Screw driver ass. 2K top TX	Carton	1	240294
AGR: 03.101			
Scope Of Supply		Piece	Article No.
Screw driver 2K top TX 8x60		1	218452
Screw driver 2K top TX 10x80		1	218454
Screw driver 2K top TX 15x80		1	218455
Screw driver 2K top TX 20x100		1	218456
Screw driver 2K top TX 25x100		1	218457
Screw driver 2K top TX 27x115		1	218458
Screw driver 2K top TX 30x115		1	218459
Screw driver 2K top TX 40x130		1	218460
Accessories Available		PU Amount	Article No.
INLETT EMPTY 240293		1	248636



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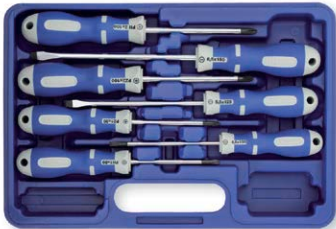
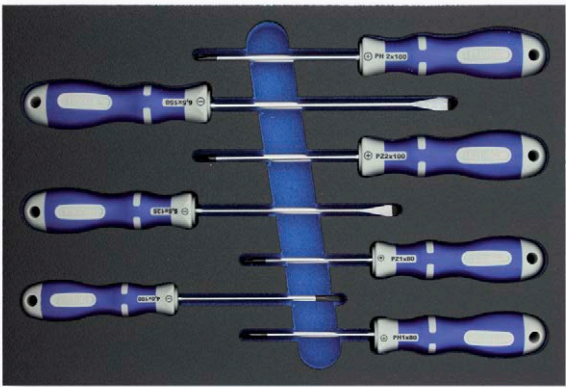
Screwdrivers, bits and bit holders

Screw driver Assort. 2K Top SL/PH/PZ

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



Title	Type	PU Set	Article No.
Screw driver ass. 2K top SL/PH/PZ	Carton	1	240296
Screw driver ass. 2K top SL/PH/PZ	Hard foam inlay	1	240295
Screw driver ass. 2K top SL/PH/PZ	Plastic box	1	240297

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screw driver 2K top PH 1x80	1	218444
Screw driver 2K top PH 2x100	1	218445
Screw driver 2K top PZ 1x80	1	218440
Screw driver 2K top PZ 2x100	1	218441
Screw driver 2K top SL 4,0x100	1	218429
Screw driver 2K top SL 5,5x125	1	218433
Screw driver 2K top SL 6,5x150	1	218435

Accessories Available	PU Amount	Article No.
INLETT EMPTY 240295	1	248637

Screw driver Assort. 2K Top R-TX

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

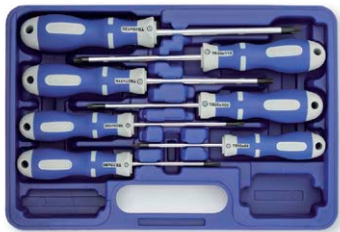
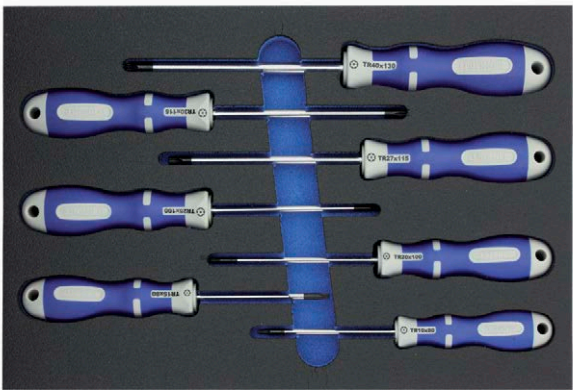
- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil

Title	Type	PU Set	Article No.
Screw driver ass. 2K top R-TX	Carton	1	240299
Screw driver ass. 2K top R-TX	Hard foam inlay	1	240298
Screw driver ass. 2K top R-TX	Plastic box	1	240300

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screw driver 2K top R-TX 10x80	1	218462
Screw driver 2K top R-TX 15x80	1	218463
Screw driver 2K top R-TX 20x100	1	218464
Screw driver 2K top R-TX 25x100	1	218465
Screw driver 2K top R-TX 27x115	1	218466
Screw driver 2K top R-TX 30x115	1	218467
Screw driver 2K top R-TX 40x130	1	218468

Accessories Available	PU Amount	Article No.
INLETT EMPTY 240298	1	248638



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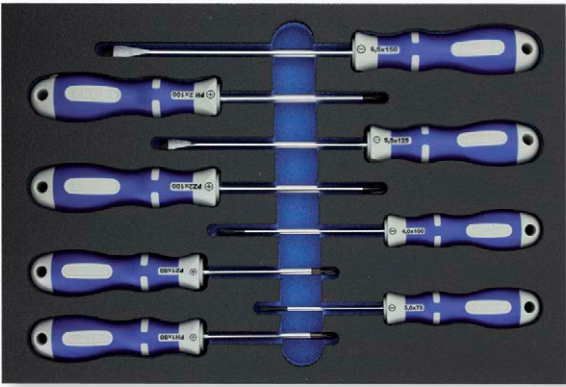
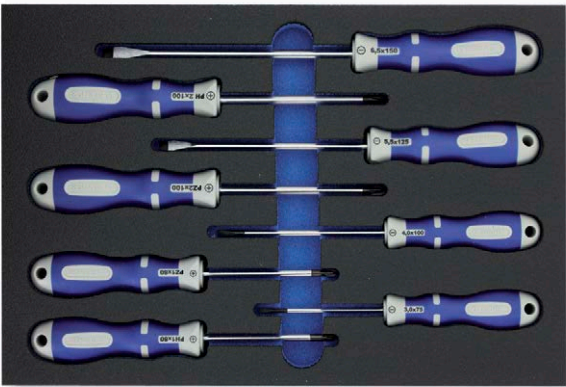
Screwdrivers, bits and bit holders

Screw driver Assort. 2K Top SL/PH/PZ

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



Title	Type	PU Set	Article No.
Screw driver ass. 2K top SL/PH/PZ	Carton	1	240302
Screw driver ass. 2K top SL/PH/PZ	Hard foam inlay	1	240301
AGR: 03.101			
Scope Of Supply		Amount	Article No.
Screw driver 2K top PH 1x80		1	218444
Screw driver 2K top PH 2x100		1	218445
Screw driver 2K top PZ 1x80		1	218440
Screw driver 2K top PZ 2x100		1	218441
Screw driver 2K top SL 3,0x75		1	218427
Screw driver 2K top SL 4,0x100		1	218429
Screw driver 2K top SL 5,5x125		1	218433
Screw driver 2K top SL 6,5x150		1	218435
Accessories Available		PU Amount	Article No.
INLETT EMPTY 240301		1	248639

Screwdriver 2K Top SL

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle



Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil

Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top SL	LS 2.5 x 0.4 mm	75 mm	170 mm	1	218426
Screw driver 2K top SL	LS 3.0 x 0.5 mm	75 mm	170 mm	1	218427
Screw driver 2K top SL	LS 3.5 x 0.6 mm	100 mm	195 mm	1	218428
Screw driver 2K top SL	LS 4.0 x 0.8 mm	100 mm	195 mm	1	218429
Screw driver 2K top SL	LS 4.0 x 0.8 mm	150 mm	245 mm	1	218430
Screw driver 2K top SL	LS 4.0 x 0.8 mm	360 mm	455 mm	1	218431
Screw driver 2K top SL	LS 5.0 x 1.0 mm	150 mm	255 mm	1	218432
Screw driver 2K top SL	LS 5.5 x 1.0 mm	125 mm	230 mm	1	218433
Screw driver 2K top SL	LS 5.5 x 1.0 mm	300 mm	405 mm	1	218434
Screw driver 2K top SL	LS 6.5 x 1.2 mm	150 mm	265 mm	1	218435
Screw driver 2K top SL	LS 7.0 x 1.2 mm	150 mm	265 mm	1	218436
Screw driver 2K top SL	LS 8.0 x 1.2 mm	175 mm	300 mm	1	218437
Screw driver 2K top SL	LS 10.0 x 1.6 mm	200 mm	325 mm	1	218438
Screw driver 2K top SL	LS 12.0 x 2.0 mm	250 mm	375 mm	1	218439

AGR: 03.101

Screw driver 2K Top PZ

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top PZ	PZ 1	80 mm	185 mm	1	218440
Screw driver 2K top PZ	PZ 2	100 mm	215 mm	1	218441
Screw driver 2K top PZ	PZ 3	150 mm	275 mm	1	218442

AGR: 03.101

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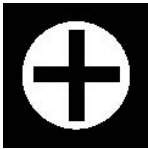
Screwdrivers, bits and bit holders

Screw driver 2K Top PH

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



3

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top PH	PH 0	60 mm	155 mm	1	218443
Screw driver 2K top PH	PH 1	80 mm	185 mm	1	218444
Screw driver 2K top PH	PH 2	100 mm	215 mm	1	218445
Screw driver 2K top PH	PH 2	300 mm	415 mm	1	218448
Screw driver 2K top PH	PH 2	450 mm	565 mm	1	218447
Screw driver 2K top PH	PH 3	150 mm	275 mm	1	218446

AGR: 03.101

Screw driver 2K Top TX

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle



Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top TX	TX 5	50 mm	145 mm	1	218449
Screw driver 2K top TX	TX 6	50 mm	145 mm	1	218450
Screw driver 2K top TX	TX 7	50 mm	145 mm	1	218451
Screw driver 2K top TX	TX 8	60 mm	155 mm	1	218452
Screw driver 2K top TX	TX 9	60 mm	155 mm	1	218453
Screw driver 2K top TX	TX 10	80 mm	175 mm	1	218454
Screw driver 2K top TX	TX 15	80 mm	185 mm	1	218455
Screw driver 2K top TX	TX 20	100 mm	205 mm	1	218456
Screw driver 2K top TX	TX 25	100 mm	215 mm	1	218457
Screw driver 2K top TX	TX 27	115 mm	230 mm	1	218458
Screw driver 2K top TX	TX 30	115 mm	230 mm	1	218459
Screw driver 2K top TX	TX 40	130 mm	255 mm	1	218460

AGR: 03.101

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Screw driver 2K Top R-TX

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



3

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top R-TX	R-TX 9	60 mm	155 mm	1	218461
Screw driver 2K top R-TX	R-TX 10	80 mm	175 mm	1	218462
Screw driver 2K top R-TX	R-TX 15	80 mm	185 mm	1	218463
Screw driver 2K top R-TX	R-TX 20	100 mm	205 mm	1	218464
Screw driver 2K top R-TX	R-TX 20	260 mm	365 mm	1	218470
Screw driver 2K top R-TX	R-TX 25	100 mm	215 mm	1	218465
Screw driver 2K top R-TX	R-TX 25	260 mm	375 mm	1	218471
Screw driver 2K top R-TX	R-TX 27	115 mm	230 mm	1	218466
Screw driver 2K top R-TX	R-TX 30	115 mm	230 mm	1	218467
Screw driver 2K top R-TX	R-TX 30	260 mm	375 mm	1	218472
Screw driver 2K top R-TX	R-TX 40	130 mm	255 mm	1	218468
Screw driver 2K top R-TX	R-TX 45	130 mm	255 mm	1	218469

AGR: 03.101

Screw driver 2K Top ihex

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top ihex	I6KT 2.0	75 mm	170 mm	1	218473
Screw driver 2K top ihex	I6KT 2.5	75 mm	170 mm	1	218474
Screw driver 2K top ihex	I6KT 3.0	75 mm	170 mm	1	218475
Screw driver 2K top ihex	I6KT 4.0	100 mm	195 mm	1	218476
Screw driver 2K top ihex	I6KT 5.0	100 mm	205 mm	1	218477
Screw driver 2K top ihex	I6KT 6.0	125 mm	240 mm	1	218478
Screw driver 2K top ihex	I6KT 8.0	150 mm	275 mm	1	218479
Screw driver 2K top ihex	I6KT 10.0	150 mm	275 mm	1	218480

AGR: 03.101

Screw driver 2K Top hex

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top hex	6KT 4.0	125 mm	220 mm	1	218481
Screw driver 2K top hex	6KT 4.5	125 mm	220 mm	1	218482
Screw driver 2K top hex	6KT 5.0	125 mm	230 mm	1	218483
Screw driver 2K top hex	6KT 5.5	125 mm	230 mm	1	218484
Screw driver 2K top hex	6KT 6.0	125 mm	230 mm	1	218485

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Screwdrivers, bits and bit holders

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top hex	6KT 7.0	125 mm	230 mm	1	218486
Screw driver 2K top hex	6KT 8.0	125 mm	240 mm	1	218487
Screw driver 2K top hex	6KT 9.0	125 mm	240 mm	1	218488
Screw driver 2K top hex	6KT 10	125 mm	240 mm	1	218489
Screw driver 2K top hex	6KT 11	125 mm	250 mm	1	218490
Screw driver 2K top hex	6KT 12	125 mm	250 mm	1	218491
Screw driver 2K top hex	6KT 13	125 mm	250 mm	1	218492

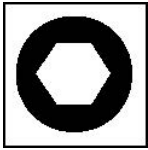
AGR: 03.101

Screw driver 2K Top hex flexible

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top hex flexible	6KT 5.0	150 mm	265 mm	1	218493
Screw driver 2K top hex flexible	6KT 6.0	150 mm	265 mm	1	218494
Screw driver 2K top hex flexible	6KT 7.0	150 mm	265 mm	1	218495
Screw driver 2K top hex flexible	6KT 8.0	150 mm	265 mm	1	218496

AGR: 03.101

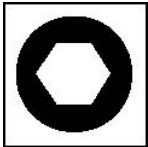
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Screw driver 2K Top for 1/4" bits

- High quality round blade
- 2K handle combines high power transmission with fast rotation
- Black point: Bronzed blade tip for exact fit
- Perfect fast turning due to slim ergonomic handle

Characteristics

- 2K handle is resistant against liquids like petrol, diesel, brake fluids and mineral oil



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K top for 1/4" bits	6KT	125 mm	240 mm	1	218497

AGR: 03.101

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Screw driver Assort. electronics engineer

- Through the slim handle form and the rotatable center cap a high turn accuracy is achieved
- The 12-polygonal handle top is especially suitable for lyrical torque transmission

Application Area

- The screw driver electronics engineer are the ideal assembly tool for screws with a fast, precise and easy screwing movement



Title	Type	PU Set	Article No.
Screw driver assort. electronics eng.	Carton	1	240259

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screw driver electronics engineer PH 00x60	1	218504
Screw driver electronics engineer PH 0x60	1	218503
Screw driver electronics engineer PH 1x60	1	218505
Screw driver electronics engineer SL 1,5x60	1	218499
Screw driver electronics enginee SL 1,8x60	1	218500
Screw driver electronics engineer SL 2,5x75	1	218501
Screw driver electronics engineer SL 3,0x100	1	218502

Kuko box electronic scrediwer slot - PH

Title	Type	PU Set	Article No.
Kuko box electronic scrediwer slot - PH	Plastic box	1	251276

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screw driver electronics engineer PH 00x60	1	218504
Screw driver electronics engineer PH 0x60	1	218503
Screw driver electronics engineer PH 1x60	1	218505
Screw driver electronics engineer SL 1,5x60	1	218499
Screw driver electronics enginee SL 1,8x60	1	218500
Screw driver electronics engineer SL 2,5x75	1	218501



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Kuko box electronic screwdriver TX

Title	Type	PU Set	Article No.
Kuko box electronic screwdriver TX	Plastic box	1	251274
AGR: 03.101			
Scope Of Supply		Amount	Article No.
Screw driver electronics engineer TX 10x60		1	218511
Screw driver electronics engineer TX 5x50		1	218506
Screw driver electronics engineer TX 6x50		1	218507
Screw driver electronics engineer TX 7x50		1	218508
Screw driver electronics engineer TX 8x60		1	218509
Screw driver electronics engineer TX 9x60		1	218510

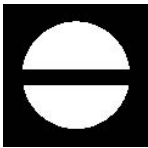


Screw driver electronics engineer SL

- Through the slim handle form and the rotatable center cap a high turn accuracy is achieved
- The 12-polygonal handle top is especially suitable for lyrical torque transmission

Application Area

- The screw driver electronics engineer are the ideal assembly tool for screws with a fast, precise and easy screwing movement



Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver electronics engineer	LS 1.2 x 0.20 mm	60 mm	155 mm	1	218498
Screw driver electronics engineer	LS 1.5 x 0.23 mm	60 mm	155 mm	1	218499
Screw driver electronics engineer	LS 1.8 x 0.30 mm	60 mm	155 mm	1	218500
Screw driver electronics engineer	LS 2.5 x 0.40 mm	75 mm	170 mm	1	218501
Screw driver electronics engineer	LS 3.0 x 0.50 mm	100 mm	195 mm	1	218502

AGR: 03.101

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Screwdrivers, bits and bit holders

Screw driver electronics engineer metal clip SL

- Through the slim handle form and the rotatable center cap a high turn accuracy is achieved
- The 12-polygonal handle top is especially suitable for lyrical torque transmission

Application Area

- The screw driver electronics engineer are the ideal assembly tool for screws with a fast, precise and easy screwing movement



Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver electronics engineer metal clip	LS 3.0 x 0.50 mm	60 mm	120 mm	1	218512
Screw driver electronics engineer metal clip	LS 3.0 x 0.50 mm	80 mm	120 mm	1	218513

AGR: 03.101

Screw driver electronics engineer PH

- Through the slim handle form and the rotatable center cap a high turn accuracy is achieved
- The 12-polygonal handle top is especially suitable for lyrical torque transmission

Application Area

- The screw driver electronics engineer are the ideal assembly tool for screws with a fast, precise and easy screwing movement



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver electronics engineer	PH 0	60 mm	155 mm	1	218503
Screw driver electronics engineer	PH 00	60 mm	155 mm	1	218504
Screw driver electronics engineer	PH 1	60 mm	155 mm	1	218505

AGR: 03.101

Screw driver electronics engineer TX

- Through the slim handle form and the rotatable center cap a high turn accuracy is achieved
- The 12-polygonal handle top is especially suitable for lyrical torque transmission



Application Area

- The screw driver electronics engineer are the ideal assembly tool for screws with a fast, precise and easy screwing movement

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver electronics engineer	TX 5	50 mm	145 mm	1	218506
Screw driver electronics engineer	TX 6	50 mm	145 mm	1	218507
Screw driver electronics engineer	TX 7	50 mm	145 mm	1	218508
Screw driver electronics engineer	TX 8	60 mm	155 mm	1	218509
Screw driver electronics engineer	TX 9	60 mm	155 mm	1	218510
Screw driver electronics engineer	TX 10	60 mm	155 mm	1	218511

AGR: 03.101

Screw driver terminal electrician



Title	Form and size slot output	Cling Length 1	PU Piece	Article No.
Screw driver terminal electrician	2 x	40 mm	1	218514
Screw driver terminal electrician	3 x	60 mm	1	218515

AGR: 03.101

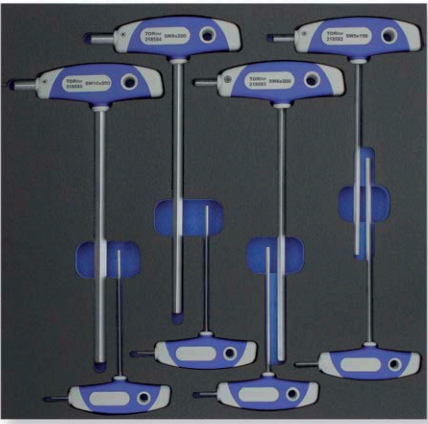
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T handle Assort. ihex

- Ergonomic cross handle for effortless opening and closing of screws when a high effort is required
- More torque thanks to the integrated drive and its lever action

Characteristics

- Continuous, high-quality hexagon blade made of chrome-vanadium-molybdenum steel



Title	PU Set	Article No.
T handle assortment ihex foam	1	240255
AGR: 03.101		
Scope Of Supply	Amount	Article No.
T handle ihex 10 mm	1	218585
T handle ihex 2 mm	1	218578
T handle ihex 2,5 mm	1	218579
T handle ihex 3 mm	1	218580
T handle ihex 4 mm	1	218581
T handle ihex 5 mm	1	218582
T handle ihex 6 mm	1	218583
T handle ihex 8 mm	1	218584
Accessories Available	PU Amount	Article No.
INLETT EMPTY 240255	1	248643

T handle Assort. hexagon head

- Ergonomic cross handle for effortless opening and closing of screws when a high effort is required
- More torque thanks to the integrated drive and its lever action

Characteristics

- Continuous, high-quality hexagon blade made of chrome-vanadium-molybdenum steel

Title	PU Set	Article No.
T handle assortment hex foam	1	240258
AGR: 03.101		
Scope Of Supply	Amount	Article No.
Screw driver 2K top hex 10,0x125	1	218489
Screw driver 2K top hex 13,0x125	1	218492
Screw driver 2K top hex 6,0x125	1	218485
Screw driver 2K top hex 7,0x125	1	218486
Screw driver 2K top hex 8,0x125	1	218487
T handle hex 10 mm	1	218574
T handle hex 13 mm	1	218577
T handle hex 8 mm	1	218573
Accessories Available	PU Amount	Article No.
INLETT EMPTY 240258	1	248642



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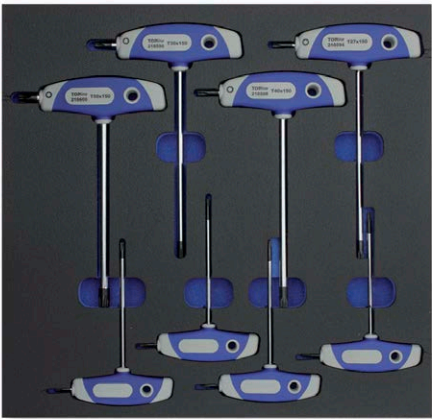
Screwdrivers, bits and bit holders

T handle Assort. TX

- Ergonomic cross handle for effortless opening and closing of screws when a high effort is required
- More torque thanks to the integrated drive and its lever action

Characteristics

- Continuous, high-quality hexagon blade made of chrome-vanadium-molybdenum steel



3

Title	PU Set	Article No.
T handle assortment TX foam	1	240256
AGR: 03.101		
Scope Of Supply	Amount	Article No.
T handle TX 10 mm	1	218586
T handle TX 15 mm	1	218588
T handle TX 20 mm	1	218590
T handle TX 25 mm	1	218592
T handle TX 27 mm	1	218594
T handle TX 30 mm	1	218596
T handle TX 40 mm	1	218598
T handle TX 50 mm	1	218600
Accessories Available	PU Amount	Article No.
INLETT EMPTY 240256	1	248644

T handle hex

- Ergonomic cross handle for effortless opening and closing of screws when a high effort is required
- More torque thanks to the integrated drive and its lever action

Characteristics

- Continuous, high-quality hexagon blade made of chrome-vanadium-molybdenum steel



Title	Output	Cling Length 1	PU Piece	Article No.
T handle hex	6KT 6	230 mm	1	218572
T handle hex	6KT 8	230 mm	1	218573
T handle hex	6KT 10	230 mm	1	218574
T handle hex long	6KT 10	350 mm	1	218575
T handle hex	6KT 12	230 mm	1	218576
T handle hex	6KT 13	230 mm	1	218577

AGR: 03.101

T handle ihex

- Ergonomic cross handle for effortless opening and closing of screws when a high effort is required
- More torque thanks to the integrated drive and its lever action

Characteristics

- Continuous, high-quality hexagon blade made of chrome-vanadium-molybdenum steel



Title	Output	Cling Length 1	PU Piece	Article No.
T handle ihex	I6KT 2	100 mm	1	218578
T handle ihex	I6KT 2.5	100 mm	1	218579
T handle ihex	I6KT 3	100 mm	1	218580
T handle ihex	I6KT 4	150 mm	1	218581
T handle ihex	I6KT 5	150 mm	1	218582
T handle ihex	I6KT 6	200 mm	1	218583
T handle ihex	I6KT 8	200 mm	1	218584
T handle ihex	I6KT 10	200 mm	1	218585

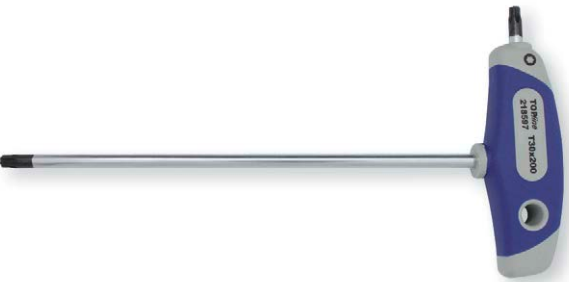
AGR: 03.101

T handle TX

- Ergonomic cross handle for effortless opening and closing of screws when a high effort is required
- More torque thanks to the integrated drive and its lever action

Characteristics

- Continuous, high-quality hexagon blade made of chrome-vanadium-molybdenum steel



Screwdrivers, bits and bit holders

Title	Output	Cling Length 1	PU Piece	Article No.
T handle TX	TX 10	100 mm	1	218586
T handle long TX	TX 10	200 mm	1	218587
T handle TX	TX 15	100 mm	1	218588
T handle long TX	TX 15	200 mm	1	218589
T handle TX	TX 20	100 mm	1	218590
T handle long TX	TX 20	200 mm	1	218591
T handle TX	TX 25	100 mm	1	218592
T handle long TX	TX 25	200 mm	1	218593
T handle TX	TX 27	150 mm	1	218594
T handle long TX	TX 27	200 mm	1	218595
T handle TX	TX 30	150 mm	1	218596
T handle long TX	TX 30	200 mm	1	218597
T handle TX	TX 40	150 mm	1	218598
T handle TX	TX 45	150 mm	1	218599
T handle TX	TX 50	150 mm	1	218600

AGR: 03.101

Screwdrivers, bits and bit holders

T handle ihex ball head

- Ergonomic cross handle for effortless opening and closing of screws when a high effort is required
- More torque thanks to the integrated drive and its lever action

Characteristics

- Continuous, high-quality hexagon blade made of chrome-vanadium-molybdenum steel



Title	Output	Cling Length 1	PU Piece	Article No.
T handle ihex ball head	I6KT 4	150 mm	1	218601
T handle ihex ball head	I6KT 5	150 mm	1	218602
T handle ihex ball head	I6KT 6	200 mm	1	218603
T handle ihex ball head	I6KT 8	200 mm	1	218604
T handle ihex ball head	I6KT 10	200 mm	1	218605

AGR: 03.101

Screw driver Assort. 2K electrician SL/PH

- 2K handle combines high power transmission with fast rotation
- Perfect fast turning due to slim ergonomic handle

Application Area

- Working on energized parts up to AC 1000V

Characteristics

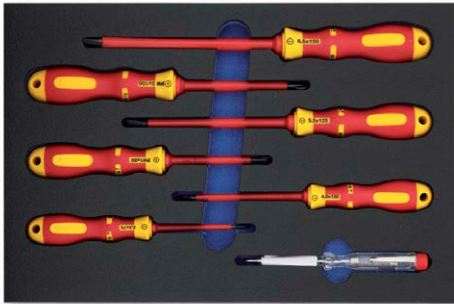
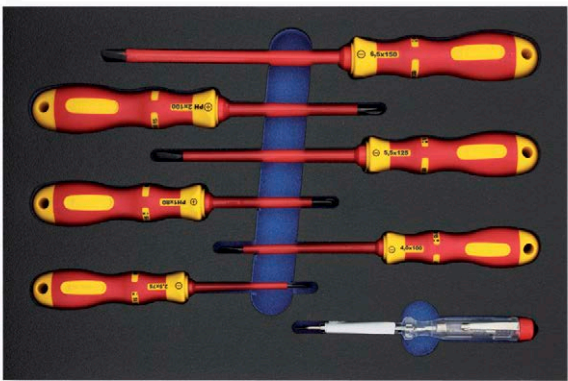
- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils

Title	Type	PU Set	Article No.
Screw driver assortment 2K VDE SL/PH	Carton	1	240306
Screw driver assortment 2K VDE SL/PH	Hard foam inlay	1	240305

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screw driver 2K VDE PH 1x80	1	218526
Screw driver 2K VDE PH 2x100	1	218527
Screw driver 2K VDE SL 2,5x75	1	218516
Screw driver 2K VDE SL 4,0x100	1	218520
Screw driver 2K VDE SL 5,5x125	1	218521
Screw driver 2K VDE SL 6,5x150	1	218522
Screw driver voltage tester SL	1	218559

Accessories Available	PU Amount	Article No.
INLETT EMPTY 240305	1	248640



INTERNAL/Approved (2019-03-22 16:54:58)

Screwdrivers, bits and bit holders

Screw driver Assort. 2K electrician SL/PH/PZ

- 2K handle combines high power transmission with fast rotation
- Perfect fast turning due to slim ergonomic handle

Application Area

- Working on energized parts up to AC 1000V

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Title	Type	PU Set	Article No.
Screw driver assortment 2K VDE SL/PH/PZ	Carton	1	240308
Screw driver assortment 2K VDE SL/PH/PZ	Hard foam inlay	1	240307
Screw driver assortment 2K VDE SL/PH/PZ	Plastic box	1	240309

AGR: 03.101

Scope Of Supply

	Amount	Article No.
Screw driver 2K VDE PH 1x80	1	218526
Screw driver 2K VDE PH 2x100	1	218527
Screw driver 2K VDE PZ 1x80	1	218530
Screw driver 2K VDE PZ 2x100	1	218531
Screw driver 2K VDE SL 3,5x100	1	218519
Screw driver 2K VDE SL 4,0x100	1	218520
Screw driver 2K VDE SL 5,5x125	1	218521

Accessories Available

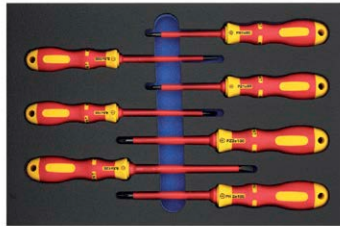
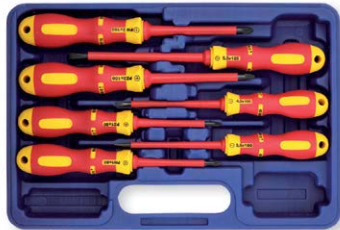
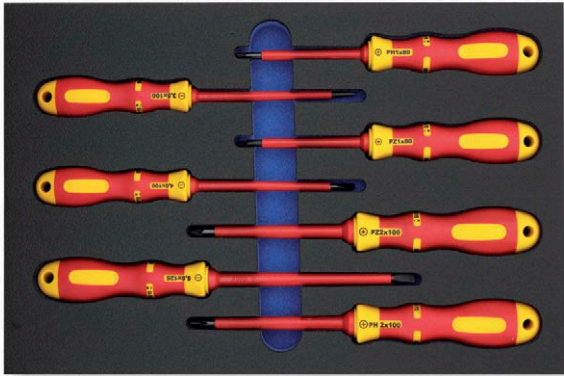
	PU Amount	Article No.
INLETT EMPTY 240307	1	248641

Screw driver 2K electrician SL

- 2K handle combines high power transmission with fast rotation
- Perfect fast turning due to slim ergonomic handle

Application Area

- Working on energized parts up to AC 1000V



Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.

Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K VDE SL	LS 2.5 x 0.4 mm	75 mm	170 mm	1	218516
Screw driver 2K VDE SL	LS 3.0 x 0.5 mm	75 mm	170 mm	1	218517
Screw driver 2K VDE SL	LS 3.0 x 0.5 mm	100 mm	195 mm	1	218518
Screw driver 2K VDE SL	LS 3.5 x 0.6 mm	100 mm	195 mm	1	218519
Screw driver 2K VDE SL	LS 4.0 x 0.8 mm	100 mm	195 mm	1	218520
Screw driver 2K VDE SL	LS 5.5 x 1.0 mm	125 mm	230 mm	1	218521
Screw driver 2K VDE SL	LS 6.5 x 1.2 mm	150 mm	265 mm	1	218522
Screw driver 2K VDE SL	LS 8.0 x 1.2 mm	175 mm	300 mm	1	218523
Screw driver 2K VDE SL	LS 10 x 1.6 mm	200 mm	325 mm	1	218524

AGR: 03.101

Screw driver 2K electrician PH

- 2K handle combines high power transmission with fast rotation
- Perfect fast turning due to slim ergonomic handle

Application Area

- Working on energized parts up to AC 1000V

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K VDE PH	PH 0	60 mm	155 mm	1	218525
Screw driver 2K VDE PH	PH 1	80 mm	185 mm	1	218526
Screw driver 2K VDE PH	PH 2	100 mm	215 mm	1	218527
Screw driver 2K VDE PH	PH 3	150 mm	275 mm	1	218528

AGR: 03.101

INTERNAL/Approved (2019-03-22 16:55:22)

Screwdrivers, bits and bit holders

Screw driver 2K electrician PZ

- 2K handle combines high power transmission with fast rotation
- Perfect fast turning due to slim ergonomic handle

Application Area

- Working on energized parts up to AC 1000V

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K VDE PZ	PZ 0	60 mm	155 mm	1	218529
Screw driver 2K VDE PZ	PZ 1	80 mm	185 mm	1	218530
Screw driver 2K VDE PZ	PZ 2	100 mm	215 mm	1	218531
Screw driver 2K VDE PZ	PZ 3	150 mm	275 mm	1	218532

AGR: 03.101

Screw driver 2K electrician R-TX

- To screwing or descrewing screws with cross recessed TX with or without internal security pin.

Application Area

- Working on energized parts up to AC 1000V
- 2K handle combines high power transmission with fast rotation
- Perfect fast turning due to slim ergonomic handle

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K VDE R-TX	R-TX 10	80 mm	175 mm	1	218533
Screw driver 2K VDE R-TX	R-TX 15	80 mm	185 mm	1	218534
Screw driver 2K VDE R-TX	R-TX 20	80 mm	185 mm	1	218535
Screw driver 2K VDE R-TX	R-TX 25	80 mm	195 mm	1	218536

AGR: 03.101

Screw driver 2K electrician switch cabinet PH

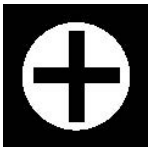
- Double cross recessed slot and PH.
- Special electric material.

Application Area

- For screwing taps with double cross recessed.

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K VDE special PH	PH 1	80 mm	185 mm	1	218539
Screw driver 2K VDE special PH	PH 2	100 mm	215 mm	1	218540

AGR: 03.101

INTERNAL/Approved (2019-03-22 16:55:41)

Screwdrivers, bits and bit holders

Screw driver 2K electrician switch cabinet PZ

- Dubble cross recessed slot and PZ.
- Special electric matériel.

Application Area

- For screwing taps with dubble cross recessed.

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K VDE special PZ	PZD-LS 1	80 mm	185 mm	1	218537
Screw driver 2K VDE special PZ	PZD-LS 2	100 mm	215 mm	1	218538

AGR: 03.101

Screw driver 2K electrician 6 in 1

- Special form of the top
- Drive side suitable for PH 1-2-3 and PZ 1-2-3
- One screw driver for 6 different impulses

Application Area

- Working on energized parts up to AC 1000V

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver 2K VDE 6 in 1 PH/PZ	100 mm	215 mm	1	218558

AGR: 03.101

Screw driver voltage tester SL

- 2K handle combines high power transmission with fast rotation
- Perfect fast turning due to slim ergonomic handle

Application Area

- Working on energized parts up to AC 1000V

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.
- The 2K-handle is resistant against fluids such as petroleum, diesel and gasoline, as well as against brake fluids and mineral oils.



Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver voltage tester	LS 3.0 x 0.50 mm	65 mm	140 mm	1	218559

AGR: 03.101

Screw driver assortment VDE Force SL/PH/PZ

- The optimized force-cross-handle enables an additional power transmission, even for limited spaces
- Top release torque or tightening torque can be transferred positively and symmetrically onto the screw
- Fatigue-free work due to the ergonomical multi-component handle

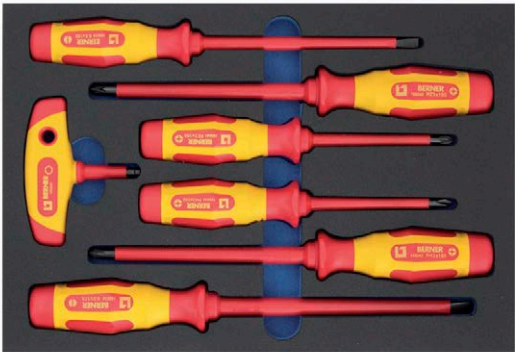
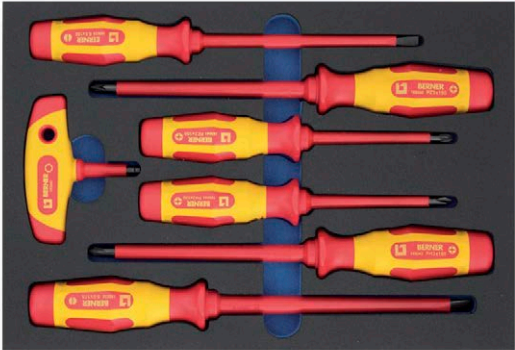
Application Area

- Working on voltage-carrying parts up to AC 1000 V, if the legal requirements and safety measures are observed

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel.

Title	Type	PU Set	Article No.
Screw driver ass. VDE Force SL/PH/PZ	Hard foam inlay	1	240251
AGR: 03.101			
Scope Of Supply		Amount	Article No.
Screw driver VDE Force system handle 6x45		1	218557
Screw driver VDE Force PH 2		1	218547
Screw driver VDE Force PH 3		1	218548
Screw driver VDE Force PZ 2		1	218549
Screw driver VDE Force PZ 3		1	218550
Screw driver VDE Force SL 6,5		1	218551
Screw driver VDE Force SL 8,0		1	218552
Accessories Available		PU Amount	Article No.
INLETT EMPTY 240251		1	248649



Screw driver Assort. electrician Force HEX/TX

- The optimized force cross handle enables an additional power transmission

Application Area

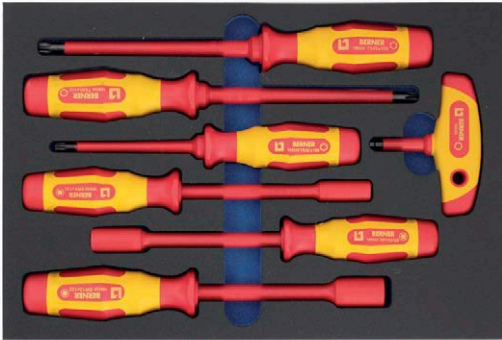
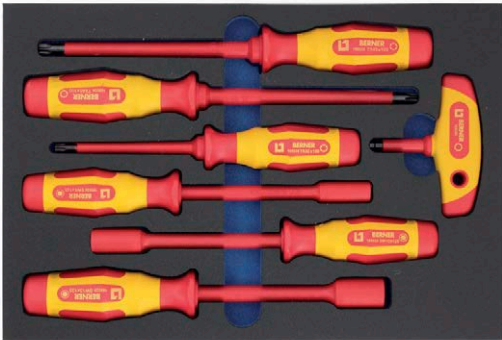
- Working on energized parts up to AC 1000V

Title	Type	PU Set	Article No.
Screw driver assort. VDE Force HEX/TX	Hard foam inlay	1	240253

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screw driver VDE Force system handle 6x45	1	218557
Screw driver VDE Force HEX 10	1	218545
Screw driver VDE Force HEX 13	1	218546
Screw driver VDE Force HEX 8	1	218544
Screw driver VDE Force TX 30	1	218554
Screw driver VDE Force TX 40	1	218555
Screw driver VDE Force TX 45	1	218556

Accessories Available	PU Amount	Article No.
INLETT EMPTY 240253	1	248648



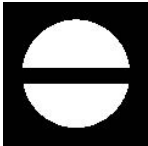
Screwdrivers, bits and bit holders

Screw driver electrician Force SL

- The optimized force cross handle enables an additional power transmission

Application Area

- Working on energized parts up to AC 1000V



Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver VDE Force SL	LS 6.5 x 1.2 mm	150 mm	265 mm	1	218551
Screw driver VDE Force SL	LS 8.0 x 1.2 mm	175 mm	300 mm	1	218552
Screw driver VDE Force SL	LS 10.0 x 1.6 mm	200 mm	325 mm	1	218553

AGR: 03.101

Screw driver electrician Force PH

- The optimized force cross handle enables an additional power transmission

Application Area

- Working on energized parts up to AC 1000V



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver VDE Force PH	PH 2	100 mm	215 mm	1	218547
Screw driver VDE Force PH	PH 3	150 mm	275 mm	1	218548

AGR: 03.101

INTERNAL/Approved (2019-03-22 16:56:17)

Screw driver electrician Force PZ

- The optimized force cross handle enables an additional power transmission

Application Area

- Working on energized parts up to AC 1000V



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver VDE Force PZ	PZ 2	100 mm	215 mm	1	218549
Screw driver VDE Force PZ	PZ 3	150 mm	275 mm	1	218550

AGR: 03.101

Screw driver electrician Force TX

- The optimized force cross handle enables an additional power transmission

Application Area

- Working on energized parts up to AC 1000V



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver VDE Force TX	TX 30	115 mm	230 mm	1	218554
Screw driver VDE Force TX	TX 40	115 mm	245 mm	1	218555
Screw driver VDE Force TX	TX 45	115 mm	245 mm	1	218556

AGR: 03.101

INTERNAL/Approved (2019-03-22 16:56:23)

Screwdrivers, bits and bit holders

Screw driver electrician Force HEX

- The optimized force cross handle enables an additional power transmission

Application Area

- Working on energized parts up to AC 1000V



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver VDE Force HEX	6KT 5.5	125 mm	230 mm	1	218542
Screw driver VDE Force HEX	6KT 7.0	125 mm	230 mm	1	218543
Screw driver VDE Force HEX	6KT 8.0	125 mm	240 mm	1	218544
Screw driver VDE Force HEX	6KT 10	125 mm	240 mm	1	218545
Screw driver VDE Force HEX	6KT 13	125 mm	250 mm	1	218546

AGR: 03.101

Screw driver electrician Force system handle

- The optimized force cross handle enables an additional power transmission

Application Area

- Working on energized parts up to AC 1000V

Characteristics

- Non-stop, high-quality round blade made out of chrome-vanadium-molybdenum steel



Title	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver VDE Force system handle	45 mm	75 mm	1	218557

AGR: 03.101

Hex key set 8 pieces on a ring, Inch or metric

- Precision-engineered according to DIN/ISO
- Surface matt chromium plated
- Chamfered ends ease the insertion of the screw head
- Pulled in a tight bending radius
- Hexagonal profile

Characteristics

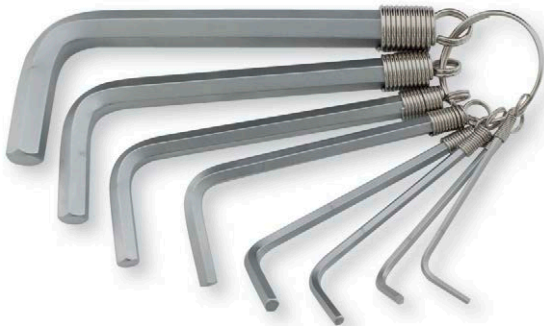
- Out of high-quality chrome-vanadium-steel

Hints

- Attached to the ring
- Satin chromed surface

Scope Of Delivery

- 6-kant: SW 2 to 2.5 - 3 - 4 - 5 - 6 - 8 - 10 mm  
6-square inch: 1/16 " - 5/64" - 3/32 " - 1/8" - 5/32 " - 3/16" - 7/32 " - 1/4"



3

Title	PU Piece	Article No.
Hex key set 8 pieces on a ring, metric	1	200546
Hex key set 8 pieces on a ring, inch	1	200545

AGR: 03.105

Cranked Wrench interior 6-point, Bent Twice

- Precision-engineered according to DIN/ISO
- Surface matt chromium plated
- Chamfered ends simplify the the insert of the screw head
- Pulled in a tight bending radius
- Hexagonal profile
- 

Characteristics

- Out of high-quality chrome-vanadium-steel



Title	Output	PU Piece	Article No.
DRIVER HEX 4MM	6KT 4	1	085896

AGR: 03.105

## Fold-Up Holder with a 5-piece Set of Allen Keys, Hex Socket, Ball Driver

- With stop lock
- Ball head allows to work at an angle up to 30°

### Characteristics

- Spherical head ensures work up to 30° angle

### Hints

- Satin chromed surface
- Simplify inserting into the screw head by chamfered working ends

### Scope Of Delivery

- 6-kant: size 1.5 - 2 - 2.5 to 3 - 4 - 5 - 6 - 8 mm  
6 hex ball head: SW 4-5 - 6 - 8 - 10 mm  
TX: TX10 - TX15 - TX20 - TX25 - TX27 - TX30 - TX40

Title	PU Piece	Article No.
Hex key set 8 pieces with Fold-Up Holder	1	122189
Hex key set 5 p s Fold-Up Hold., ball head	1	123106

AGR: 03.105



Screwdrivers, bits and bit holders

Hex key, short

- Precision-engineered according to DIN/ISO
- Surface matt chromium plated
- Chamfered ends simplify the insertion of the screw head
- Pulled in a tight bending radius
- Extra long design for high leverage

Characteristics

- Made out of high-quality chrome-vanadium-steel



Title	Output	Cling Length 1	Cling Length 2	PU Piece	Article No.
Hex key, short	I6KT 1.5	46 mm	15 mm	1	200438
Hex key, short	I6KT 2	52 mm	18 mm	1	200439
Hex key, short	I6KT 2.5	58 mm	20 mm	1	200440
Hex key, short	I6KT 3	66 mm	23 mm	1	200441
Hex key, short	I6KT 4	74 mm	29 mm	1	200442
Hex key, short	I6KT 5	85 mm	33 mm	1	200443
ALLEN ANAHTAR 6 MM	I6KT 6	96 mm	38 mm	1	200444
Hex key, short	I6KT 8	108 mm	44 mm	1	200445
Hex key, short	I6KT 9	114 mm	47 mm	1	200446
Hex key, short	I6KT 10	122 mm	50 mm	1	200447
Hex key, short	I6KT 12	137 mm	57 mm	1	200448
Hex key, short	I6KT 14	154 mm	70 mm	1	200449
Hex key, short	I6KT 17	177 mm	80 mm	1	200450
Hex key, short	I6KT 19	199 mm	89 mm	1	200451

AGR: 03.103

INTERNAL/Approved (2019-03-22 16:57:04)

Hex key set 9 pieces, short

- Precision-engineered according to DIN/ISO
- Surface matt chromium plated
- Chamfered ends simplify the insertion of the screw head
- Pulled in a tight bending radius
- Hexagonal profile

Characteristics

- Made out of high-quality chrome-vanadium-steel

Hints

- Satin chromed surface

Scope Of Delivery

- Wrench size 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm in a holder



3

Title	PU Assortment	Article No.
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Hex key set 9 pieces, short	1	200437
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AGR: 03.105

Scope Of Supply	Piece	Article No.
Hex key, short	1	200438
Hex key, short	1	200439
Hex key, short	1	200440
Hex key, short	1	200441
Hex key, short	1	200442
Hex key, short	1	200443
ALLEN ANAHTAR 6 MM	1	200444
Hex key, short	1	200445
Hex key, short	1	200447

Related Products	PU Piece	Article No.
Hex key, short	1	200446
Hex key, short	1	200448
Hex key, short	1	200449
Hex key, short	1	200450
Hex key, short	1	200451

INTERNAL/Approved (2019-03-22 16:57:16)

Hex key set 8 pieces with ball head, XL

- Ball head allows work up to 30° angle
- 8 piece-set for big diameter up to 19 mm

Characteristics

- HD = Heavy Duty long (heavy version)

Hints

- Satin chromed surface

Scope Of Delivery

- Wrench size 8 pieces: 6 - 7 - 8 - 10 - 12 - 14 - 17 - 19 mm in a holder



Title	PU Assortment	Article No.
Hex key set 8 pieces with ball head HD, XL	1	200785

AGR: 03.105

Scope Of Supply	Piece	Article No.
Hex key with ball head, XL	1	200460
Hex key with ball head, XL	1	200452
Hex key with ball head, XL	1	200461
Hex key with ball head, XL	1	200462
Hex key with ball head HD, XL	1	200535
Hex key with ball head HD, XL	1	200536
Hex key with ball head HD, XL	1	200537
Hex key with ball head HD, XL	1	200494

Hex key set 9 pieces with ball head, XL

- Ball head allows work up to 30 ° inclination
- Precision-manufactured according to DIN/ISO
- Surface matt chromes
- Chamfered ends facilitate the insertion in the screw head
- Ball head allows to work in tight space conditions with an angle up to 25°



Application Area

- Ball head allows work up to 30° tilt
- 8 piece-set for big diameter up to 19 mm

Characteristics

- Made out of high-quality chrome-vanadium-steel

Scope Of Delivery

- Wrench size 9 pieces: 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm in a holder
- Wrench size 8 pieces: 6 - 7 - 8 - 10 - 12 - 14 - 17 - 19 mm in a holder

Title	PU Assortment	Article No.
Hex key set 9 pieces with ball head, XL	1	200453

AGR: 03.105

Scope Of Supply	Piece	Article No.
Hex key with ball head, XL	1	200454
Hex key with ball head, XL	1	200455
Hex key with ball head, XL	1	200456
Hex key with ball head, XL	1	200457
Hex key with ball head, XL	1	200458
Hex key with ball head, XL	1	200459
Hex key with ball head, XL	1	200460
Hex key with ball head, XL	1	200461
Hex key with ball head, XL	1	200462

INTERNAL/Approved (2019-03-22 16:57:31)

Hex key set 9 pieces with ball head, XL, magnetic

- Ball head allows work up to 30 ° inclination
- Ball head allows to work with an angle up to 30°
- Magnetic ball head to fix the screw as of 3mm diameter
- Precision-manufactured according to DIN/ISO
- Surface matt chromes
- Chamfered ends facilitate the insertion of the screw head

Characteristics

- Made out of high-quality chrome-vanadium-steel

Hints

- SW 4 ball head magnetically

Scope Of Delivery

- Wrench size 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm in a holder



Title	PU Assortment	Article No.
Hex key set 9 pcs with ball head, XL, mag.	1	200463

AGR: 03.105

Scope Of Supply	Piece	Article No.
Hex key with ball head, XL	1	200454
Hex key with ball head, XL	1	200455
Hex key with ball head, XL	1	200456
Hex key with ball head, XL, magnetic	1	200467
Hey key with ball head, XL, magnetic	1	200468
Hey key with ball head, XL, magnetic	1	200469
Hey key with ball head, XL, magnetic	1	200470
Hey key with ball head, XL, magnetic	1	200471
Hey key with ball head, XL, magnetic	1	200472

Hex key set 9 pieces with ball head, XXL

- Ideally suited for narrow and deep places
- Ball head allows to work up to an angle of 30°
- Precision-manufactured according to DIN/ISO
- Surface matt chromes
- Chamfered ends facilitates inserting the screw head
- Hexagonal profile pulled in a narrow bend radius
- Extra long design for high leverage

Characteristics

- Made out of high-quality chrome-vanadium-steel

Hints

- Satin chromed surface

Scope Of Delivery

- Wrench size 1,5 - 2 - 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm in a holder



Title	PU Assortment	Article No.
Hex key set 9 pcs ball head, XXL	1	200473

AGR: 03.105

Scope Of Supply	Piece	Article No.
Hey key with ball head, XXL	1	200474
Hey key with ball head, XXL	1	200475
Hey key with ball head, XXL	1	200476
Hey key with ball head, XXL	1	200477
Hex key with ball head, XXL	1	200478
Hey key with ball head, XXL	1	200479
Hey key with ball head, XXL	1	200480
Hey key with ball head, XXL	1	200481
Hey key with ball head, XXL	1	200482

INTERNAL/Approved (2019-03-22 16:57:44)

Screwdrivers, bits and bit holders

Angle key set 9 pieces, TX, standard

- Precision-engineered according to DIN/ISO
- Surface matt chromium plated
- Chamfered ends ease the insertion of the screw head

Characteristics

- Made out of high-quality chrome-vanadium-steel

Hints

- short version

Scope Of Delivery

- TX10 - TX15 - TX20 - TX25 - TX27 - TX30 - TX40 - TX45 - TX50 in a holder



Title	PU Assortment	Article No.
Angle key set 9 pieces, TX, standard	1	200483
AGR: 03.105		
Scope Of Supply	Piece	Article No.
Angle key, TX, standard	1	200485
Angle key, TX, standard	1	200487
Angle key, TX, standard	1	200484
Angle key, TX, standard	1	200489
Angle key, TX, standard	1	200486
Angle key, TX, standard	1	200488
Angle key, TX, standard	1	200490
Angle key, TX, standard	1	200491
Angle key, TX, standard	1	200492

Angle key set 9 pieces, R-TX, XL

- Short section with hole footprint for screws with Tx pin safety and / or standard Tx.

Characteristics

- Out of high-quality chrome-vanadium-steel

Hints

- Satin chromed surface

Scope Of Delivery

- R-TX10 - R-TX15 - R-TX20 - R-TX25 - R-TX27 - R-TX30 - R-TX40 - R-TX45 - R-TX50 in a holder



3

Title	PU Piece	Article No.
Angle key set 9 pieces, R-TX, XL	1	200532

AGR: 03.105

Scope Of Supply	Piece	Article No.
Angle key, R-TX, XL	1	200775
Angle key, R-TX, XL	1	200776
Angle key, R-TX, XL	1	200777
Angle key, R-TX, XL	1	200779
Angle key, R-TX, XL	1	200780
Angle key, R-TX, XL	1	200781
Angle key, R-TX, XL	1	200782
Angle key, R-TX, XL	1	200783
Angle key, R-TX, XL	1	200784



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Screwdrivers, bits and bit holders

Angle key set 9 pieces, TX magnetic, R-TX, XL

- Magnetic fixation of the screw

Hints

- Long side is magnetic  
Short side with R-TX

Scope Of Delivery

- TX10 - TX15 - TX20 - TX25 - TX27 - TX30 - TX40 - TX45 - TX50 in a holder



3

Title	PU Assortment	Article No.
Angle key set 9 pcs., TX magn., R-TX, XL	1	200503

AGR: 03.105

Scope Of Supply	Piece	Article No.
Angle key, TX, XL, magnetic	1	200504
Angle key, TX, long, magnetic	1	200505
Angle key, TX, long, magnetic	1	200506
Angle key, TX, long, magnetic	1	200507
Angle key, TX, long, magnetic	1	200508
Angle key, TX, long, magnetic	1	200509
Angle key, TX, long, magnetic	1	200510
Angle key, TX, long, magnetic	1	200511
Angle key, TX, long, magnetic	1	200512

Angle key set 9 pieces, TX, extra long

- Especially for TX screws with hole

Application Area

- Extra long version for deep and narrow spaces

Characteristics

- Out of high-quality chrome-vanadium-steel

Hints

- Satin chromed surface

Scope Of Delivery

- TX10 - TX15 - TX20 - TX25 - TX27 - TX30 - TX40 - TX45 - TX50 in a holder



Title	PU Assortment	Article No.
Angle key set 9 pieces, TX, extra long	1	200513

AGR: 03.105

Scope Of Supply	Piece	Article No.
Angle key, TX, extra long	1	200522
Angle key, TX, extra long	1	200514
Angle key, TX, extra long	1	200515
Angle key, TX, extra long	1	200516
Angle key, TX, extra long	1	200517
Angle key, TX, extra long	1	200518
Angle key, TX, extra long	1	200519
Angle key, TX, extra long	1	200520
Angle key, TX, extra long	1	200521

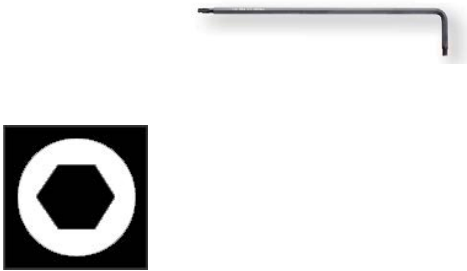
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Screwdrivers, bits and bit holders

Hex key with ball head, XXL

Hints

- Satin chromed surface

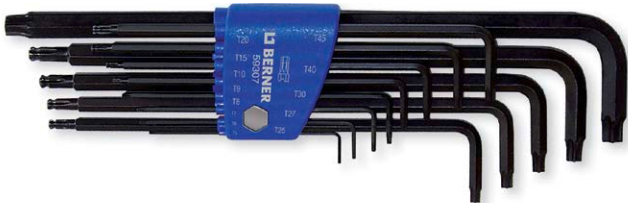


Title	Output	Cling Length 1	Cling Length 2	PU Piece	Article No.
Hey key with ball head, XXL	I6KT 1.5	135 mm	15 mm	1	200474
Hey key with ball head, XXL	I6KT 2	151 mm	18 mm	1	200475
Hey key with ball head, XXL	I6KT 2.5	170 mm	20 mm	1	200476
Hey key with ball head, XXL	I6KT 3	191 mm	23 mm	1	200477
Hex key with ball head, XXL	I6KT 4	213 mm	29 mm	1	200478
Hey key with ball head, XXL	I6KT 5	245 mm	33 mm	1	200479
Hey key with ball head, XXL	I6KT 6	283 mm	38 mm	1	200480
Hey key with ball head, XXL	I6KT 8	308 mm	44 mm	1	200481
Hey key with ball head, XXL	I6KT 10	346 mm	50 mm	1	200482

AGR: 03.103

Allen Key Set, TX, Circular Head, INNOnline

- Innovative, patented, cold molded TX profile allows up to 50% greater stability than the forms previously available on the market



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Screwdrivers, bits and bit holders

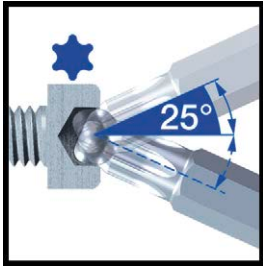
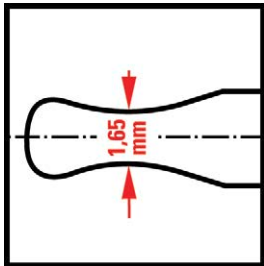
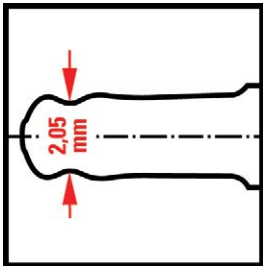
- Special TX-ball head geometry achieved inaccessible places with an angle of up to 25 ° in contrast to the previous forms, the only up to max. 9 ° are applicable
- Breaking point: If the ball against expectations break, the key can be used as a normal TX-key
- Space-saving holder made of special plastic with mild withdrawal

Characteristics

- Everything in 13 tools of all the important sizes, from TX5 to TX45, and can be easily removed and replaced when not in use, thanks to the special plastic pouch.
- Possible breaking point: In spite of all expectations if circular head is broken, key can be used as TX key

Scope Of Delivery

- TX5 - TX6 - TX7 - TX8 - TX9 - TX10 - TX15 -TX20 - TX25 - TX27 - TX30 - TX40 - TX45 in the holder



3

Title	PU Piece	Article No.
Angle key set 13 pieces ball head, TX	1	059307

AGR: 03.105

Scope Of Supply	Piece	Article No.
Angle key, TX, long	1	059293
Angle key, TX, long	1	059295
Angle key, TX, long	1	059296
Angle key, TX, long	1	059297
Angle key, TX, ball head, long	1	059298
Angle key, TX, ball head, long	1	059299
Angle key, TX, ball head, long	1	059300
Angle key, TX, ball head, long	1	-
Angle key, TX, ball head, long	1	059302
Angle key, TX, ball head, long	1	059303
Angle key, TX, ball head, long	1	059304
Angle key, TX, ball head, long	1	059305
Angle key, TX, ball head, long	1	059306

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Angle key set 7 pieces, RIBE, extra long

- Extra long version for deep and narrow spaces

Characteristics

- Out of high-quality chrome-vanadium-steel

Hints

- Satin chromed surface

Scope Of Delivery

- RIBE 4 - 5 - 6 - 7 - 08 - 09 - 10 mm in a holder



Title	PU Assortment	Article No.
Angle key set 7 pieces, ribe, extra long	1	200523
AGR: 03.105		
Scope Of Supply	Piece	Article No.
Angle key, ribe, extra long	1	200524
Angle key, ribe, extra long	1	200525
Angle key, ribe, extra long	1	200526
Angle key, ribe, extra long	1	200527
Angle key, ribe, extra long	1	200528
Angle key, ribe, extra long	1	200529
Angle key, ribe, extra long	1	200530

Hex key set 9 pieces Inch, short

- Precision-engineered according to DIN/ISO
- Surface matt chromium ease the insertion of the screw head

Application Area

- Inch short version

Characteristics

- Made out of high-quality chrome-vanadium-steel

Hints

- short version
- Satin chromed surface

Scope Of Delivery

- Inch: 1/16" - 5/64" - 3/32" - 1/8" - 5/32" - 3/16" - 1/4" - 5/16" - 3/8" in a holder



Title	PU Piece	Article No.
Hex key set 9 pieces inch, short	1	200538

AGR: 03.103

Scope Of Supply	Piece	Article No.
Hex key inch, short	1	200539
Hex key inch, short	1	200541
Hex key inch, short	1	200542
Hex key inch, short	1	200493
Hex key inch, short	1	200787
Hex key inch, short	1	200544
Hex key inch, short	1	200788
Hex key inch, short	1	200543
Hex key inch, short	1	200540



3

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Screwdrivers, bits and bit holders

Butterfly angle key set 18 pieces butterfly, TX/Hex

- Interior 6-kant and R-TX offset screwdriver in a handy fold out holder
- Ball head allows work up to 30 ° inclination
- TX: 10 - 15-20 - 25-27 - 30-40 - 45-50
- 6-kant: 1,5 - 2 to 2.5 - 3 - 4 - 5 - 5 - 6 - 8 - 10

Application Area

- Butterfly includes Set 200453 and 200532
- The two most important sets together in one set

Hints

- Satin chromed surface



Title	PU Assortment	Article No.
Hex key set 18 pieces, TX	1	200789
AGR: 03.105		
Scope Of Supply	Piece	Article No.
Hex key with ball head, XL	1	200454
Hex key with ball head, XL	1	200455
Hex key with ball head, XL	1	200456
Hex key with ball head, XL	1	200457
Hex key with ball head, XL	1	200458
Hex key with ball head, XL	1	200459
Hex key with ball head, XL	1	200460
Hex key with ball head, XL	1	200461
Hex key with ball head, XL	1	200462
Angle key, R-TX, XL	1	200775
Angle key, R-TX, XL	1	200776
Angle key, R-TX, XL	1	200777
Angle key, R-TX, XL	1	200779

Screwdrivers, bits and bit holders

Scope Of Supply	Piece	Article No.
Angle key, R-TX, XL	1	200780
Angle key, R-TX, XL	1	200781
Angle key, R-TX, XL	1	200782
Angle key, R-TX, XL	1	200783
Angle key, R-TX, XL	1	200784

Flex Star L-Key Set 7 pc's

- Very robust model
- Special coating for a secure grip
- Full power transmission and mobility due to high-quality joint
- Secure and tight fitting in the screw head
- Working in 90° angle possible
- In practical roll bag with hanging loop for easy positioning at the workbench
- Space-saving storage in the toolbox

Application Area

- To open and close screws on difficult accessible spots

Title	PU Piece	Article No.
Flex Star L-Key Set 7 pc's	1	219168

AGR: 03.105

Scope Of Supply	Amount	Article No.
TORX FLEX KEY, T20	1	242579
TORX FLEX KEY, T25	1	242577
TORX FLEX KEY, T27	1	242576
TORX FLEX L-KEY, T30	1	242575
TORX FLEX L-KEY, T40	1	242574
TORX FLEX L-KEY, T45	1	-
TORX FLEX L-KEY, T50	1	242572

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Screwdrivers, bits and bit holders

Flex Hex L-Key Set 7 pc's

- Very robust model
- Special coating for a secure grip
- Full power transmission and mobility due to high-quality joint
- Secure and tight fitting in the screw head
- Working in 90° angle possible
- In practical roll bag with hanging loop for easy positioning at the workbench
- Space-saving storage in the toolbox

Application Area

- To open and close screws on difficult accessible spots

Title	PU Piece	Article No.
Flex Hex L-Key Set 7 pc's	1	219186

AGR: 03.105

Scope Of Supply	Amount	Article No.
HEX FLEX L-KEY, 10MM	1	-
HEX FLEX L-KEY, 3MM	1	242571
HEX FLEX L-KEY, 4MM	1	242570
HEX FLEX L-KEY, 5MM	1	242569
HEX FLEX L-KEY, 6MM	1	242568
HEX FLEX L-KEY, 7MM	1	242567
HEX FLEX L-KEY, 8MM	1	242566

Screwdrivers, bits and bit holders

Screw driver wood handle SL/PH

- Model with hex-square for an additional power transmission during the use of the wrench
- Wood handle for optimal rotary transfer even with oily and wet hands
- Wood handle with continuous blade
- Round blade with hex key helps to increase the torque in tight screws
- Black point: Bronzed blade tip for exact fit

Characteristics

- Non-stop, high-quality round blade with an upset hexagon made out of chrome-vanadium-molybdenum steel



3

Title	Type	PU Set	Article No.
Screw driver wood handle SL/PH	Carton	1	240254

AGR: 03.101

Scope Of Supply	Amount	Article No.
Screw driver wood handle PH 1x80	1	218568
Screw driver wood handle PH 2x100	1	218569
Screw driver wood handle SL 10x175	1	218565
Screw driver wood handle SL 3,5x75	1	218560
Screw driver wood handle SL 4,5x90	1	218561
Screw driver wood handle SL 5,5x100	1	218562
Screw driver wood handle SL 7,0x125	1	218563
Screw driver wood handle SL 8,0x150	1	218564

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Screwdrivers, bits and bit holders

Screw driver wood handle SL

- Wood handle for optimal rotary transfer even with oily and wet hands
- Wood handle with continuous blade
- Round blade with hex key helps to increase the torque in tight screws
- Black point: Bronzed blade tip for exact fit



Characteristics

- Non-stop, high-quality round blade with an upset hexagon made out of chrome-vanadium-molybdenum steel

Title	Form and size slot output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver wood handle	LS 3.5 x 0.6 mm	75 mm	170 mm	1	218560
Screw driver wood handle	LS 4.5 x 0.8 mm	90 mm	185 mm	1	218561
Screw driver wood handle	LS 5.5 x 1.0 mm	100 mm	200 mm	1	218562
Screw driver wood handle	LS 7 x 1.2 mm	125 mm	235 mm	1	218563
Screw driver wood handle	LS 8 x 1.2 mm	150 mm	270 mm	1	218564
Screw driver wood handle	LS 10 x 1.6 mm	175 mm	295 mm	1	218565
Screw driver wood handle	LS 12 x 2.0 mm	200 mm	320 mm	1	218566
Screw driver wood handle	LS 14 x 2.0 mm	250 mm	370 mm	1	218567

AGR: 03.101

Related Products

	PU Amount	Article No.
Screw driver wood handle SL/PH carton	1	240254

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Screw driver wood handle PH

- Wood handle for optimal rotary transfer even with oily and wet hands
- Wood handle with continuous blade
- Round blade with hex key helps to increase the torque in tight screws
- Black point: Bronzed blade tip for exact fit



Characteristics

- Non-stop, high-quality round blade with an upset hexagon made out of chrome-vanadium-molybdenum steel

Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
Screw driver wood handle	PH 1	80 mm	180 mm	1	218568
Screw driver wood handle	PH 2	100 mm	210 mm	1	218569
Screw driver wood handle	PH 3	150 mm	270 mm	1	218570
Screw driver wood handle	PH 4	200 mm	320 mm	1	218571

AGR: 03.101

Related Products

	PU Amount	Article No.
Screw driver wood handle SL/PH carton	1	240254

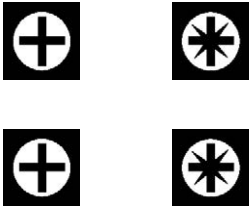
6 in 1 Bit 1/4" PH/PZ

Characteristics

- Special design of the tip
- Drive fits at PH 1-2-3 and at PZ 1-2-3
- One bit for 6 different drives

Hints

- Packed in units of 5



Title	PU Pack	Article No.
BIT 1/4" PH/PZ 1,2,3-L25MM 5PC	1	198468
BIT 1/4"PH/PZ 1,2,3-L70MM 5PC	1	198467

AGR: 03.112

Bit Set Torx 51 pieces

Title	PU Piece	Article No.
BIT SET TX 51PC'S	1	156541
AGR: 03.150		
Scope Of Supply	Piece	Article No.
High Quality Bit 1/4" Torx TX10 25 mm	5	261815
High Quality Bit 1/4" Torx TX15 25 mm	10	288551
High Quality Bit 1/4" Torx TX20 25 mm	10	246999
High Quality Bit 1/4" Torx TX25 25 mm	15	247006
High Quality Bit 1/4" Torx TX30 25 mm	5	261840
High Quality Bit 1/4" Torx TX40 25 mm	5	261858
Magnetic Bit Holder with Lock 1/4"	1	899718



Bit Set Universal 51 pieces

Characteristics

- Bit set universal including bit holder and locking

Scope Of Delivery

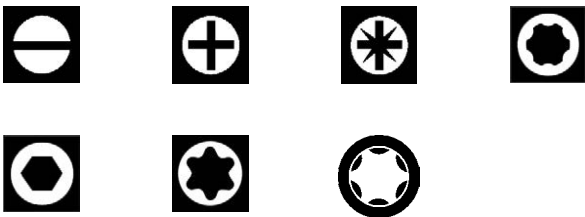
- Bit PH1 (3)
- PH2 (7)
- PH3 (3)
- Bit PZD1 (3)
- PZD2 (7)
- PZD3 (3)
- Bit LS 4
- 4,5
- 5
- 5,5
- 6
- Bit 6kt 2,5
- 3
- 4
- 5
- 6
- Bit TX10 (2)



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Screwdrivers, bits and bit holders

- TX15 (2)
- TX20 (3)
- TX25(3)
- TX30(2)
- TX40(2)
- Magnetic bitholder with a locking



Title	PU Piece	Article No.
BIT SET UNIVERSAL 51PC'S	1/3/5	156540
AGR: 03.150		
Scope Of Supply	Piece	Article No.
High Quality Bit 1/4" Philips PH1 25 mm	3	070181
High-Quality Bit 1/4" Philips PH2 25 mm	7	070190
High Quality Bit 1/4" Philips PH3 25 mm	3	070203
High Quality Bit 1/4" Pozidrive PZ1 25 mm	3	051098
High Quality Bit 1/4" Pozidrive PZ2 25 mm	7	051101
High Quality Bit 1/4" Pozidrive PZ3 25 mm	3	118052
(22322877[A])	2	-
High Quality Bit 1/4" LS 4,5x0,6 mm long 25 mm	1	137917
(22323285[A])	1	-
High Quality Bit 1/4" LS 5,5x0,8 mm long 25 mm	1	137918
(22323337[A])	1	-
BIT ST 1/ 4 25 HX S 2.5	1	934587
High Quality Bit 1/4" 6-point socket 3 mm lenght 25 mm	1	070289
High Quality Bit 1/4" 6-point socket 4 mm length 25 mm	1	070297
High Quality Bit 1/4" 6-point socket 5 mm length 25 mm	1	070300
High Quality Bit 1/4" 6-point socket 6 mm lenght 25 mm	1	070319
High Quality Bit 1/4" Torx TX10 25 mm	2	261815
High Quality Bit 1/4" Torx TX15 25 mm	2	288551
High Quality Bit 1/4" Torx TX20 25 mm	3	246999
High Quality Bit 1/4" Torx TX25 25 mm	3	247006
High Quality Bit 1/4" Torx TX30 25 mm	2	261840
High Quality Bit 1/4" Torx TX40 25 mm	2	261858
Magnetic Bit Holder with Lock 1/4"	1	899718

Flexible Bit-Holder 20 pieces

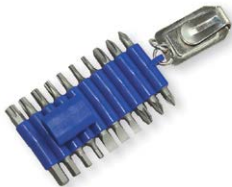
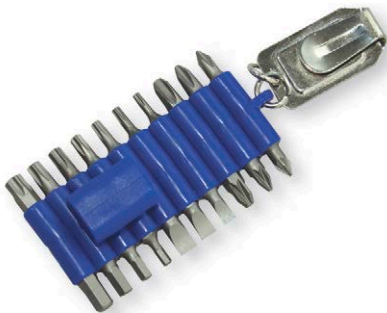
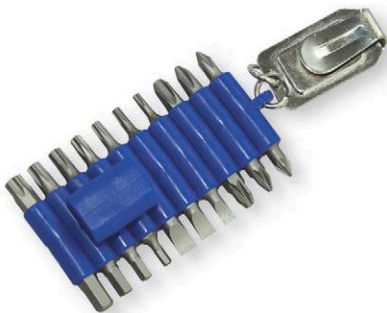
Characteristics

- 20 bits and 2 empty spaces for seperate bits or mounts
- The bits are optimally hold in the mounting, due to the soft plastic

Title	PU Piece	Article No.
FLEXIBIT-SET W.BELTHOLDER 20PC	1	027696

AGR: 03.150

Scope Of Supply	Piece	Article No.
High Quality Bit 1/4" LS 5,5x0,8 mm long 25 mm	1	137918
High Quality Bit 1/4" 6-point socket 4 mm length 25 mm	1	070297
High Quality Bit 1/4" Philips PH1 25 mm	1	070181
High Quality Bit 1/4" Philips PH3 25 mm	1	070203
High Quality Bit 1/4" Pozidrive PZ1 25 mm	1	051098
High Quality Bit 1/4" Pozidrive PZ3 25 mm	1	118052
High Quality Bit 1/4" Torx TX10 25 mm	1	261815
High Quality Bit 1/4" Torx TX27 25 mm	1	274224
High Quality Bit 1/4" Torx TX30 25 mm	1	261840
High Quality Bit 1/4" Torx TX40 25 mm	1	261858
High-Quality Bit 1/4" Philips PH2 25 mm	1	070190
High Quality Bit 1/4" Pozidrive PZ2 25 mm	1	051101
High Quality Bit 1/4" LS 4,5x0,6 mm long 25 mm	1	137917
High Quality Bit 1/4" Slot 6,5 x 1,2	1	070262
High Quality Bit 1/4" 6-point socket 3 mm lenght 25 mm	1	070289
High Quality Bit 1/4" 6-point socket 5 mm length 25 mm	1	070300
High Quality Bit 1/4" 6-point socket 6 mm lenght 25 mm	1	070319
High Quality Bit 1/4" Torx TX15 25 mm	1	288551
High Quality Bit 1/4" Torx TX20 25 mm	1	246999
High Quality Bit 1/4" Torx TX25 25 mm	1	247006

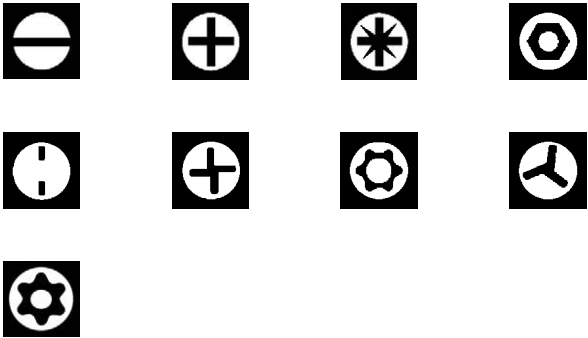


Screwdrivers, bits and bit holders

Clever Bit Set, 1/4", 32-piece

- 32 bits of a special length of 75 mm, can be used for deepseated screws
- 8 different bit profiles of different sizes for the most common safety and standard screws
- Bits are always to hand in the Professional Box

Title	PU Piece	Article No.
Clever Bit Set, 1/4", 32-piece	1	165750
AGR: 03.150		
Scope Of Supply	Piece	Article No.
Clever Bit 1/4" PH 1	1	170640
Clever Bit 1/4" PH 2	1	170641
Clever Bit 1/4" PZ 1	1	170637
Clever Bit 1/4" PZ 2	1	170638
Clever Bit 1/4" PZ 3	1	170639
Clever Bit Torque 1/4" TX 8	1	170611
Clever Bit Torque 1/4" TX 10	1	170612
Clever Bit Torque 1/4" TX 15	1	170613
Clever Bit Torque 1/4" TX 20	1	170614
Clever Bit Torque 1/4" TX 25	1	170615
Clever Bit Torque 1/4" TX 27	1	170616
Clever Bit Torque 1/4" TX 30	1	170617
Clever Bit Torque 1/4" TX 35	1	170618
Clever Bit Torque 1/4" TX 40	1	170619
CLEVER CLAMPER BIT 1/4" 4MM	1	170633
Clever Bit Tightener 1/4" Spanner 6 mm	1	170634
CLEVER CLAMPER BIT 1/4" 8MM	1	170635
CLEVER CLAMPER BIT 1/4" 10MM	1	170636
CLEVER TORQUE-BIT 1/4" 6MM	1	170626
CLEVER TORQUE-BIT 1/4" 8MM	1	170627
CLEVER TORQUE-BIT 1/4" 10MM	1	-
CLEVER TRI-WING-BIT 1/4" 1MM	1	170629
CLEVER TRI-WING-BIT 1/4" 2MM	1	170630



Scope Of Supply	Piece	Article No.
CLEVER TRI-WING-BIT 1/4" 3MM	1	170631
CLEVER TRI-WING-BIT 1/4" 4MM	1	170632
Clever Bit Torque 1/4" 6KT 2 mm	1	170620
Clever Bit Torque 1/4" 6KT 2,5 mm	1	170621
Clever Bit Torque 1/4" 6KT 3 mm	1	170622
Clever Bit Torque 1/4" 6KT 4 mm	1	170623
Clever Bit Torque 1/4" 6KT 5 mm	1	170624
Clever Bit Torque 1/4" 6KT 6 mm	1	170625
Clever Bit 1/4" LS 6 x 1 mm	1	170642

Universal Case of 10 mm Bits, 36-piece

- Different applications through 4 profiles: PH, TX, Hex, XZN

Characteristics

- 33 bits measuring 30 and 75 mm in length
- 72-tooth ratchet with a 10 mm bit holder
- One 3/8" to 10 mm bit adapter
- One 1/2" to 10 mm bit adapter

Title	PU Piece	Article No.
Universal Case of 10 mm Bits, 36-piece	1	175750

AGR: 03.150

Scope Of Supply	Piece	Article No.
Bit PH2 10 30mm	1	000892
Bit PH3 10 30mm	1	000891
Hex Bit, 10 mm, AF 5mm, length 30mm	1	000897
Hex Bit, 10 mm, AF 6mm, length 30mm	1	000896
Hex Bit, 10 mm, AF 7mm, length 30mm	1	000895
Hex Bit, 10 mm, AF 8mm, length 30mm	1	000894
Hex Bit, 10 mm, AF 10mm, length 30mm	1	000899
Hex Bit, 10 mm, AF 12mm, length 30mm	1	000898
Bit TX 20 30 mm	1	000890
Bit TX 20 75 mm	1	000889
Bit TX 25 30 mm	1	000888



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Screwdrivers, bits and bit holders

Scope Of Supply	Piece	Article No.
Bit TX 25 75 mm	1	000887
Bit TX 30 30 mm	1	000886
Bit TX 30 75 mm	1	000885
Bit TX 40 30 mm	1	000884
Bit TX 40 75 mm	1	000883
Bit TX 45 30 mm	1	000882
Bit TX 45 75 mm	1	000881
Bit TX 50 30 mm	1	000879
Bit TX 50 75 mm	1	000878
Bit TX 55 30 mm	1	000877
Bit TX 55 75 mm	1	000875
Bit TX 60 30 mm	1	000874
Bit TX 60 75 mm	1	000873
Bit XZN 5 30 mm	1	000867
Bit XZN 6 30 mm	1	000866
Bit XZN 6 75 mm	1	000865
Bit XZN 8 30 mm	1	000864
Bit XZN 8 75 mm	1	000863
Bit XZN 10 30 mm	1	000872
Bit XZN 10 75 mm	1	000871
Bit XZN 12 30 mm	1	000869
Bit XZN 12 75 mm	1	000868
1/2" to 10 mm Bit Adapter	1	-
3/8" to 10 mm Bit Adapter	1	000861
Bit Ratchet for 10 mm Bits	1	000862

Bit Set, 83-Piece

- Bit set with 1/4" and 10 mm bits with length 25 to 75 mm
- Different drives

Scope Of Delivery

- 10 mm bit 30 mm and 75 mm long:  
Hex - M4, M5, M6, M7, M8, M10, M12 mm  
R-Torx - 20, 25, 30, 40, 45, 50, 55, 60  
XZN - M5, M6, M8, M10, M12  
Ribe 30 mm - M5, M6, M7, M8, M10, M12
- 1/2 Drive  
R-TX - T30 200 mm l, T40 200 mm l, T45 200 mm l, T70 100 mm l, T80 100 mm l
- 1/4" bits 25 mm long  
LS - 4,5, 5,5, 6,5 / PH - 1, 2, 3 / PZD - 1, 2, 3 Hex - M3, M4, M5, M6, M7, M8 mm  
TX - 10, 15, 20, 25, 27, 30, 40  
R-TX - 10, 15, 20, 25, 27, 30, 40
- 1/4" and 10 mm bit ratchet with a joint  
Extension 10 mm, 150 mm long / extension 1/4", 100 mm long



Title	PU Piece	Article No.
BIT SET XZN-TORX-RIBE 83PCS	1	143804

AGR: 03.150

Scope Of Supply	Amount	Article No.
1483 BIT-INSERT 1HEX 4X75	1	118297
1483 BIT-INSERT HX S 10*75	1	751332
1483 BIT-INSERT HX S 12X75	1	115547
1483 BIT-INSERT HX S 4*30	1	751235
1483 BIT-INSERT HX S 5*75	1	751308
1483 BIT-INSERT HX S 6*75	1	751316
1483 BIT-INSERT HX S 7X75	1	115546
1483 SKT.SPANN INS.HX S 8*75	1	751324
1484 BIT-INSERT TX 30X200	1	134944
1484 BIT-INSERT TX 40X200	1	134946
1484 BIT-INSERT TX 45X200	1	134947
1484-Screwdriver INS TR20x30 3/8	1	152596

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Screwdrivers, bits and bit holders

3

Scope Of Supply	Amount	Article No.
1484-Screwdriver INS TR20x75 3/8	1	152604
1484-Screwdriver INS TR25x30 3/8	1	152597
1484-Screwdriver INS TR25x75 3/8	1	152605
1484-Screwdriver INS TR30x30 3/8	1	152598
1484-Screwdriver INS TR30x75 3/8	1	152606
1484-Screwdriver INS TR40x30 3/8	1	152599
1484-Screwdriver INS TR40x75 3/8	1	152607
1484-Screwdriver INS TR45x30 3/8	1	152600
1484-Screwdriver INS TR45x75 3/8	1	152608
1484-Screwdriver INS TR50x30 3/8	1	152601
1484-Screwdriver INS TR50x75 3/8	1	152610
1484-Screwdriver INS TR50x30 3/8	1	152602
1484-Screwdriver INS TR55x75 3/8	1	152611
1484-Screwdriver INS TR60x30 3/8	1	152603
1484-Screwdriver INS TR60x75 3/8	1	152612
B1484 SKT Spanner Ins TX70	1	134948
B1484 SKT Spanner Ins TX80	1	134949
Hex Bit, 10 mm, AF 10mm, length 30mm	1	000899
Hex Bit, 10 mm, AF 12mm, length 30mm	1	000898
Hex Bit, 10 mm, AF 5mm, length 30mm	1	000897
Hex Bit, 10 mm, AF 6mm, length 30mm	1	000896
Hex Bit, 10 mm, AF 7mm, length 30mm	1	000895
Hex Bit, 10 mm, AF 8mm, length 30mm	1	000894
Ribe Bit 10 RIBE10 30 mm	1	017661
Ribe Bit 10 RIBE12 30 mm	1	017662
Ribe Bit 10 RIBE5 30 mm	1	017657
Ribe Bit 10 RIBE6 30 mm	1	017658
Ribe Bit 10 RIBE7 30 mm	1	017659
Ribe Bit 10 RIBE8 30 mm	1	017660
BIT 10MM R-TORX RT27 L30MM	1	206992
Bit XZN 10 30 mm	1	000872
Bit XZN 10 75 mm	1	000871
Bit XZN 12 30 mm	1	000869

# Screwdrivers, bits and bit holders

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Scope Of Supply	Amount	Article No.
Bit XZN 12 75 mm	1	000868
Bit XZN 5 30 mm	1	000867
Bit XZN 6 30 mm	1	000866
Bit XZN 6 75 mm	1	000865
Bit XZN 8 30 mm	1	000864
Bit XZN 8 75 mm	1	000863
Bit 10 mm TX27 75 mm	1	050007
BIT RATCHET W. HINGE 1/4"-10MM	1	175214
BIT ST XZN 75MM M5	1	115559
Magnetic bit holder 100 mm	1	050000
Extension bar 150mm for 10mm Bit	1	050001
High Quality Bit 1/4" Philips PH1 25 mm	1	070181
High Quality Bit 1/4" Philips PH3 25 mm	1	070203
High-Quality Bit 1/4" Philips PH2 25 mm	1	070190
High Quality Bit 1/4" Pozidrive PZ1 25 mm	1	051098
High Quality Bit 1/4" Pozidrive PZ3 25 mm	1	118052
High Quality Bit 1/4" Pozidrive PZ2 25 mm	1	051101
High Quality Bit 1/4" LS 4,5x0,6 mm long 25 mm	1	137917
High Quality Bit 1/4" LS 5,5x0,8 mm long 25 mm	1	137918
High Quality Bit 1/4" Slot 6,5 x 1,2	1	070262
Quality Hole Bit 1/4" Resis-Torx R-TX10 25 mm	1	102408
High Quality Bit 1/4" Resis-Torx R-TX15 25 mm	1	102406
High Quality Bit 1/4" Resis-Torx R-TX20 25 mm	1	102405
High Quality Bit 1/4" Resis-Torx R-TX25 25 mm	1	102404
High Quality Bit 1/4" Resis-Torx R-TX27 25 mm	1	102403
High Quality Bit 1/4" Resis-Torx R-TX30 25 mm	1	512893
High Quality Bit 1/4" Resis-Torx R-TX40 25 mm	1	102402
High Quality Bit 1/4" 6-point socket 3 mm lenght 25 mm	1	070289
High Quality Bit 1/4" 6-point socket 4 mm length 25 mm	1	070297
High Quality Bit 1/4" 6-point socket 5 mm length 25 mm	1	070300
High Quality Bit 1/4" 6-point socket 6 mm lenght 25 mm	1	070319
SOCKET HD.BIT 25 MM SW 7 MM	1	-
High Quality Bit 1/4" 6-point socket 8 mm lenght 25 mm	1	070327

Screwdrivers, bits and bit holders

Scope Of Supply	Amount	Article No.
High Quality Bit 1/4" Torx TX10 25 mm	1	261815
High Quality Bit 1/4" Torx TX15 25 mm	1	288551
High Quality Bit 1/4" Torx TX20 25 mm	1	246999
High Quality Bit 1/4" Torx TX25 25 mm	1	247006
High Quality Bit 1/4" Torx TX27 25 mm	1	274224
High Quality Bit 1/4" Torx TX30 25 mm	1	261840
High Quality Bit 1/4" Torx TX40 25 mm	1	261858

Bit Socket Torx 3/4-1"

Application Area

- Use on trucks, agricultural machinery, construction vehicles, large machines, where large screws and torques are required

Hints

- For machinery operation
- Supplied in a sturdy plastic case, incl. the Allen wrench
- 4 mm



3

Title	Drive	PU Piece	Article No.
BIT TORX/INBUS 3/4-1"	6KT	1	060816

AGR: 03.013

Scope Of Supply	Piece	Article No.
Bit Torx Socket E18	1	060771
Bit Torx Socket E20	1	060772
Bit Torx Socket E22	1	060773
Bit Torx Socket E24	1	060774
Bit Torx TX60	1	060762
Bit Torx TX70	1	060763
Bit Torx TX80	1	060764
Bit Torx TX90	1	060765
Bit Hexagon H17	1	060767
Bit Torx TX100	1	060766
Bit Hexagon H19	1	060768
Bit Hexagon H22	1	060769
Bit Hexagon H24	1	060770
Bit Holder Socket 1"	1	060776
Bit Holder Socket 3/4"	1	060775

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Screwdrivers, bits and bit holders

Torque Bitholder Set

- Prevention of damage on the propulsion:No tear out, damage or overtwisting of the thread or the screw
- Prevention of breakages on plastic part which are being screwed
- Practical handle included in the set
- Professional working
- Orderly packed in a fabric bag

Application Area

- Fastening of screws with a torque as on control cabinet or the like

Scope Of Delivery

- Torque bit holder: 1.5 Nm, 2.5 Nm, 3 Nm, 4.5 Nm
- Hanlde with 1/4" hexagonal insert
- Transport bag



Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	PU Piece	Article No.
Torque Bitholder Set	1/4 "	1/4 "	6KT1/4"	1	215370

AGR: 03.160

Screwdrivers, bits and bit holders

"One Hand Bit holder 1/4"

- very slim holder with Ø 11 mm
- Strong magnet, thereby the screw is securely held and fixed on the bit
- Bit change fast and possible with just one hand. This allows the special design of the bit holder. This always free to hold on one hand safe or to keep a machine
- Fixed connection between bit and holder
- The front 8mm are provided with a special ring and thereby the bit holder is very stable



Technical Data

Magnetic	Yes
Quick change	Yes
Lock	Yes

Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
One Hand Bit holder slim 1/4	1/4 "	1/4 "	6KT1/4"	65 mm	1	244998

AGR: 03.160

Bit screwdriver, Superior 2 component, flexible and magnetic

- 1/4" bits
- Flexible
- With magnet

Technical Data

Grip Material	2 component handle
Impact Cap	No



Title	Output	Cling Length 1	Length total (mm)	PU Piece	Article No.
BIT SCREWDRIVER, FLEX 2K	6KT	155 mm	260 mm	1	183773

AGR: 03.101

INTERNAL/Approved (2019-03-22 17:05:50)

Bit Adapter 1/4"

Application Area

- Usage in ratchets



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
High-Quality Bit AGR: 03.017	1/4 "	6KT	1/4 "	25 mm	1	890286

INTERNAL/Approved (2019-03-22 17:05:56)

Bit Adapter 3/8"

Characteristics

- Chrome vanadium steel, for 1/4" or 5/16" bits



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	PU Piece	Article No.
3/8" to 10 mm Bit Adapter	3/8 "	6KT	-	1	000861
1/4" Bit Adapter	3/8 "	6KT	1/4 "	1	105789
5/16" Bit Adapter	3/8 "	6KT	5/16 "	1	102410

AGR: 03.017 / 03.160

Bit-Adapter 1/2"

Application Area

- Application in creaking, reduction of 01.02 "to 05.16"

Characteristics

- Chrome vanadium steel, 5 / 16 "or 10 mm bits



Title	Drive Size Inch	Output shape	Output Drive Size In Inch	PU Piece	Article No.
Bit Insert Torx	1/2 "	6KT	-	1	751340
Adapter for 5/16" bits	1/2 "	6KT	5/16 "	1	890898

\* = The delivery time is 10 days

AGR: 03.017 / 03.018

Bit-Adapter 1/4" magn.



Title	Drive Size Inch	Output shape	PU Piece	Article No.
ADAPTERS FOR 1/4" BITS MAG.	1/4 "	6KT	1	199894

AGR: 03.017

INTERNAL/Approved (2019-03-22 17:06:04)

Adapter 1/4" for socket wrench

Application Area

- Insert of 1/4" and 3/8"socket wrenches in machines (pin protection in accordance with DIN) or in bit-ratchets (ball protection in accordance with DIN)



Title	Driver Type	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Hexagonal bit adapter ball protection	6KT 6-point socket	1/4 "	4KT	1/4 "	50 mm	1	045401
Hexagonal bit adapter ball protection	6KT 6-point socket	1/4 "	4KT	3/8 "	50 mm	1	045400

AGR: 03.160

Adapter 1/4" Hex to Square Set

- Robust design
- Special locking mechanism of the socket wrench, therefore no dropping of possible
- Release of the locking mechanism through pulling back of the square shaft
- For use with a cordless screwdriver

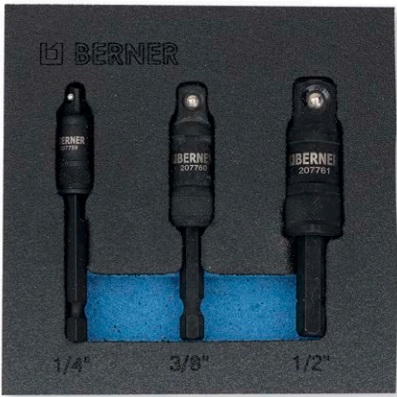
Application Area

- Adapter with 1/4" bit and square propulsion
- Ideal for a socket wrench in combination with a cordless screwdriver

Title	Drive	PU Piece	Article No.
Adapter Hex to Square Set	/ 6KT	1	207758

AGR: 03.160

Scope Of Supply	Piece	Article No.
Adapter 5/16" Hex to Square 1/2"	1	207761
ADAPT. 1/4" HEX TO SQUARE 3/8"	1	207760
ADAPT. 1/4" HEX TO SQUARE 1/4"	1	207759



Screwdrivers, bits and bit holders

Bit holder 1/4" flexible

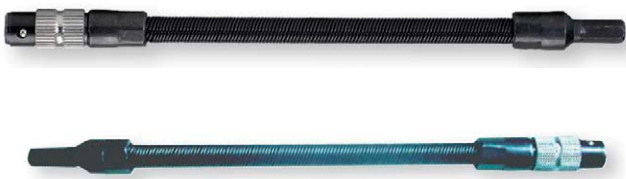
- For hard to reach assembly work
- Ball lock for quick and easy replacement of bit

Application Area

- Input of 1/4"-hexagon head bits in ratchet screwdriver

Characteristics

- Holder 190 mm with Socket 1/4" hexagon head



Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Bit holder flexible 1/4"	1/4 "	1/4 "	6KT1/4"	190 mm	1	161478

AGR: 03.160

Bit holder magnetic 1/4"

Application Area

- Input of 1/4" hexagon head bits in the Bit-ratchets

Characteristics

- Socket 1/4" hexagon head

Technical Data

Magnetic	Yes
----------	-----



Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Magnetic bit holder	1/4 "	1/4 "	6KT1/4"	100 mm	1	050000

AGR: 03.160

Extension 10mm Bit

Application Area

- Use of 10 mm 6-kant bits in bit-ratchet

Characteristics

- Recording 10 mm 6-kant



Title	Output shape	Length	PU Piece	Article No.
EXTENSION 150MM F.10MM BIT	6KT	150 mm	1	050001

AGR: 03.160

INTERNAL/Approved (2019-03-22 17:06:24)

Screwdrivers, bits and bit holders

Hanger Bolts- Inserting Tool

Application Area

- For machine setting hanger bolts and steel bolts with metric thread

Characteristics

- 1/4" bit holder

Title	Drive Size Inch	PU Piece	Article No.
M 10 screwing-in tool	1/4 "	1	880884
M 8 screwing-in tool	1/4 "	1	880892

AGR: 03.519



3

Handle with 1/4" hex Bit Holder

- Handgrip for holding 1/4 " bits or 1/4" bits with min. 50 mm length
- Bits become a screwdriver
- Components handle which is safe and comfortable in the hand
- Holding the bit adapter by magnet and spring ring

Application Area

- In combination with bit adapter and bits a perfect screwdriver

Hints

- Not suitable for 1/4 " bits with 25 mm without Bit holder

Technical Data

Magnetic	Yes
Quick change	Yes



Title	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Handle with 1/4" Drive	1/4 "	I6KT1/4"	110 mm	1	341106

AGR: 03.160

INTERNAL/Approved (2019-03-22 17:06:35)

Screwdrivers, bits and bit holders

Necessary Accessories	PU Amount	Article No.
One Hand Bit holder slim 1/4	1	244998

Adapter HEX for Sockets, with lock function

- Robust design
- Special locking mechanism of the socket wrench, therefore no dropping of possible
- Release of the locking mechanism through pulling back of the square shaft
- For use with a cordless screwdriver

Application Area

- Adapter with 1/4" bit and square propulsion
- Ideal for a socket wrench in combination with a cordless screwdriver



Title	Driver Type	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Adapter 5/16" Hex to Square 1/2"	6KT 6-point socket	5/16 "	4KT	1/2 "	75 mm	1	207761
ADAPT. 1/4" HEX TO SQUARE 1/4"	6KT 6-point socket	1/4 "	4KT	1/4 "	75 mm	1	207759
ADAPT. 1/4" HEX TO SQUARE 3/8"	6KT 6-point socket	1/4 "	4KT	3/8 "	75 mm	1	207760

AGR: 03.160

### Bit Ratchet, 1/4" and 10 mm

- Ideal for tight spaces, 72 teeth, fine-toothed, requires only 5° ratchet angle
- 4 mm and 5/16" bits can be used through adapter
- With clockwise/anticlockwise switching



Title	Drive	PU Piece	Article No.
Bit Ratchet for 1/4" and 10 mm Bits	1/4"	1	049994

AGR: 03.160

### Bit ratchet with joint, 1/4" and 10mm

- The bit ratchet is suitable for 1/4" and 10 mm bits
- Integrated magnet in the bit adapter
- Thumb rest on the bit. Therefore one can build up more pressure and a better hold on the bit
- Twisted handle for a better handling



Title	Drive	PU Piece	Article No.
BIT RATCHET W. HINGE 1/4"-10MM	1/4" / 6KT	1	175214

AGR: 03.160

### Bit ratchet w. joint aluminium

- Right/left switch
- Joint head 180° slewable
- 72 teeth finely toothed with an only 5° ratchet angle for work in small places



Title	Drive	PU Piece	Article No.
Bit Hinge Ratchet	4KT	1	089703

AGR: 03.160

Screwdrivers, bits and bit holders

Bit Hinge Ratchet Set 1/4" 21-piece

- Optimal for narrowness places
- Right-/Left switching
- swivel head to 180° swivelling
- 72 teeth Feine teeth for only 5° ratchet angular for special work with short of space

Title	Drive	PU Piece	Article No.
Bit Hinge Ratchet Set 1/4" 21-piece	1/4" / PH	1	083986

AGR: 03.150



Belt loop on the back



Bit Ratchet set 1/4", 26 parts

- Very robust bit ratchet metal 60 teeth, simple forward / reverse switch
- Thumbwheel for rapid rotation
- Low height and slim ratchet head - great for hard to reach places
- Use of 1/4 "sockets with Berner ' s adapter possible
- Socket wrench with socket I-profile for universal use

Characteristics

- Reversible ratchet 60 teeth ,fine teeth, rotated by 180 °

Title	Drive	PU Piece	Article No.
Bit Ratchet set 1/4", 26 parts	/ TX	1	186337
3 x Bit Ratchet set 1/4", 26 parts	/ TX	1	198925

AGR: 03.150



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Screwdrivers, bits and bit holders

Scope Of Supply	Piece	Article No.
Bit Ratchet1/4" with joint	1	186336
Magnetic bit holder 100 mm	1	050000
Adapter of 1/4" Bit Receptacle to 1/4" Socket Wrench	1	049991
High Quality Bit 1/4" 6-point socket 4 mm length 25 mm	1	070297
High Quality Bit 1/4" 6-point socket 5 mm length 25 mm	1	070300
High Quality Bit 1/4" 6-point socket 6 mm lenght 25 mm	1	070319
High Quality Bit 1/4" Torx TX10 25 mm	1	261815
High Quality Bit 1/4" Torx TX15 25 mm	1	288551
High Quality Bit 1/4" Torx TX20 25 mm	1	246999
High Quality Bit 1/4" Torx TX25 25 mm	1	247006
High Quality Bit 1/4" Torx TX30 25 mm	1	261840
High Quality Bit 1/4" Torx TX40 25 mm	1	261858
High Quality Bit 1/4" LS 4,5x0,6 mm long 25 mm	1	137917
High Quality Bit 1/4" LS 5,5x0,8 mm long 25 mm	1	137918
High Quality Bit 1/4" Slot 6,5 x 1,2	1	070262
High Quality Bit 1/4" Philips PH1 25 mm	1	070181
High Quality Bit 1/4" Philips PH3 25 mm	1	070203
High-Quality Bit 1/4" Philips PH2 25 mm	1	070190
High Quality Bit 1/4" Pozidrive PZ1 25 mm	1	051098
High Quality Bit 1/4" Pozidrive PZ2 25 mm	1	051101
High Quality Bit 1/4" Pozidrive PZ3 25 mm	1	118052
L-Socket Wrench insert 1/4" 10 mm	1	170942
L-Socket Wrench insert 1/4" 4 mm	1	170934
L-Socket Wrench insert 1/4" 5 mm	1	170936
L-Socket Wrench insert 1/4" 6 mm	1	170938
L-Socket Wrench insert 1/4" 8 mm	1	170940

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Screwdrivers, bits and bit holders

Bit Ratchet, 10 mm

- Ideal for tight spaces, 72 teeth, fine-toothed, requires only 5° ratchet angle
- 5/16" bits can be used through adapter
- With clockwise/anticlockwise switching



Title	Drive	PU Piece	Article No.
Bit Ratchet for 10 mm Bits	10 / 6KT	1	000862

AGR: 03.160

Finger Bit Ratchet, 1/4"

- Can also be used in tight spaces
- Can be used with only two fingers
- 4 mm bits can be used through adapter
- Right / left reversible

Characteristics

- With clockwise/anticlockwise wrench operation



Title	Drive	PU Piece	Article No.
Finger Ratchet for 1/4" Bits	1/4"	1	033423
Finger Ratchet 1/4", Bit Holder	1/4"	1	033421

AGR: 03.020

INTERNAL/Approved (2019-03-22 17:07:30)

Screw Extractor Set

- Specially milled tubular rivets avoid material displacement

Application Area

- Suitable from M6 - M18

Characteristics

- Made from non-breakable American special steel

Hints

- Delivery includes a bag



Title	PU Piece	Article No.
SCR.EXTRACTOR SET 5-PCS. AGR: 03.105	1	170748

Bit-Box Premium Uni 1/4" 10 pcs

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



3

Title	PU Piece	Article No.
Bit-Box 1/4" Mix 10 pcs	1	219217
AGR: 03.150		
Scope Of Supply	Piece	Article No.
High Quality Bit 1/4" LS 5,5x0,8 mm long 25 mm	1	137918
High Quality Bit 1/4" Philips PH1 25 mm	1	070181
High-Quality Bit 1/4" Philips PH2 25 mm	2	070190
High Quality Bit 1/4" Philips PH3 25 mm	1	070203
High Quality Bit 1/4" Pozidrive PZ1 25 mm	1	051098
High Quality Bit 1/4" Pozidrive PZ2 25 mm	2	051101
High Quality Bit 1/4" Pozidrive PZ3 25 mm	1	118052
Magnetic Bit Holder 1/4" 60 mm	1	051730

Bit-Box Premium Uni 1/4" Mix 31pcs

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	PU Piece	Article No.
BIT BOX UNI BELTC 1/4" 31 PCS	1/3/5	219188
AGR: 03.150		

INTERNAL/Approved (2019-03-22 17:07:41)

Screwdrivers, bits and bit holders

Scope Of Supply	Piece	Article No.
High Quality Bit 1/4" LS 5,5x0,8 mm long 25 mm	1	137918
High Quality Bit 1/4" Slot 6,5 x 1,2	2	070262
High Quality Bit 1/4" Philips PH1 25 mm	3	070181
High-Quality Bit 1/4" Philips PH2 25 mm	3	070190
High Quality Bit 1/4" Philips PH3 25 mm	3	070203
High Quality Bit 1/4" Pozidrive PZ1 25 mm	3	051098
High Quality Bit 1/4" Pozidrive PZ2 25 mm	3	051101
High Quality Bit 1/4" Pozidrive PZ3 25 mm	3	118052
High Quality Bit 1/4" Torx TX10 25 mm	1	261815
High Quality Bit 1/4" Torx TX15 25 mm	1	288551
High Quality Bit 1/4" Torx TX20 25 mm	1	246999
High Quality Bit 1/4" Torx TX25 25 mm	1	247006
High Quality Bit 1/4" Torx TX30 25 mm	1	261840
High Quality Bit 1/4" Torx TX40 25 mm	1	261858
High Quality Bit 1/4" 6-point socket 4 mm length 25 mm	1	070297
High Quality Bit 1/4" 6-point socket 5 mm length 25 mm	1	070300
High Quality Bit 1/4" 6-point socket 6 mm lenght 25 mm	1	070319
Magnetic Bit Holder 1/4" 60 mm	1	051730



Screwdrivers, bits and bit holders

Bit-Box Premium Uni 1/4" Mix 48pcs

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



3

Title	PU Piece	Article No.
BIT DEPOT UNIVERSAL TX 1/4"	1	219199

AGR: 03.150

Scope Of Supply	Piece	Article No.
High Quality Bit 1/4" Philips PH1 25 mm	4	070181
High-Quality Bit 1/4" Philips PH2 25 mm	4	070190
High Quality Bit 1/4" Pozidrive PZ1 25 mm	4	051098
High Quality Bit 1/4" Pozidrive PZ2 25 mm	4	051101
High Quality Bit 1/4" Pozidrive PZ3 25 mm	4	118052
High Quality Bit 1/4" Torx TX10 25 mm	4	261815
High Quality Bit 1/4" Torx TX15 25 mm	4	288551
High Quality Bit 1/4" Torx TX20 25 mm	8	246999
High Quality Bit 1/4" Torx TX25 25 mm	4	247006
High Quality Bit 1/4" Torx TX30 25 mm	4	261840
High Quality Bit 1/4" Torx TX40 25 mm	4	261858

Bit-Box Premium Torx 1/4" 11pcs

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life

Title	PU Piece	Article No.
Bit-Box 1/4" TX 11 pcs	1	219218
AGR: 03.150		
Scope Of Supply	Piece	Article No.
High Quality Bit 1/4" Torx TX10 25 mm	1	261815
High Quality Bit 1/4" Torx TX15 25 mm	2	288551
High Quality Bit 1/4" Torx TX20 25 mm	2	246999
High Quality Bit 1/4" Torx TX25 25 mm	2	247006
High Quality Bit 1/4" Torx TX30 25 mm	2	261840
High Quality Bit 1/4" Torx TX40 25 mm	1	261858
Magnetic Bit Holder 1/4" 60 mm	1	051730



Screwdrivers, bits and bit holders

Bit-Box Premium Torx 1/4" 31pcs

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life

Title	PU Piece	Article No.
Bit-Box 1/4" TX 31 pcs	1	219200
AGR: 03.150		
Scope Of Supply	Piece	Article No.
High Quality Bit 1/4" Torx TX10 25 mm	5	261815
High Quality Bit 1/4" Torx TX15 25 mm	5	288551
High Quality Bit 1/4" Torx TX20 25 mm	5	246999
High Quality Bit 1/4" Torx TX25 25 mm	5	247006
High Quality Bit 1/4" Torx TX30 25 mm	5	261840
High Quality Bit 1/4" Torx TX40 25 mm	5	261858
Magnetic Bit Holder 1/4" 60 mm	1	051730



Screwdrivers, bits and bit holders

Bit-Box 1/4" Torx 11 pcs

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life

Title	PU Piece	Article No.
Box of 1/4" Bits, R-TX, 11-piece	1	105704
AGR: 03.150		
Scope Of Supply	Piece	Article No.
Quality Hole Bit 1/4" Resis-Torx R-TX10 25 mm	1	102408
High Quality Bit 1/4" Resis-Torx R-TX15 25 mm	2	102406
High Quality Bit 1/4" Resis-Torx R-TX20 25 mm	1	102405
High Quality Bit 1/4" Resis-Torx R-TX25 25 mm	2	102404
High Quality Bit 1/4" Resis-Torx R-TX27 25 mm	1	102403
High Quality Bit 1/4" Resis-Torx R-TX30 25 mm	2	512893
High Quality Bit 1/4" Resis-Torx R-TX40 25 mm	1	102402
Magnetic Bit Holder 1/4" 60 mm	1	051730



Bit-Box 1/4" Toko, Tx, 11 pcs

- Optimal hold of the bit in the screw by specially developed bit geometry
- Produced under the tightest tolerances – the bit holds the screw by itself and enables one-handed screwing

Application Area

- Especially suitable for chipboard with optimum concentricity of the screw through special tailored bit and screw head from Berner – no tumbling motion

Characteristics

- Especially suitable for Easy Fast Wave

Title	PU Piece	Article No.
Box of 1/4" Toko Bits, TX, 11-piece	1	149335
AGR: 03.150		
Scope Of Supply	Piece	Article No.
Magnetic Bit Holder 1/4" 50 mm	1	-
Toko Bit 1/4" Torx TX10 25 mm	1	144251
Toko Bit 1/4" Torx TX15 25 mm	2	144252
Toko Bit 1/4" Torx TX20 25 mm	2	144253
Toko Bit 1/4" Torx TX25 25 mm	2	144254
Toko Bit 1/4" Torx TX30 25 mm	2	144255
Toko Bit 1/4" Torx TX40 25 mm	1	144256
Magnetic Bit Holder 1/4" 60 mm	1	051730



Bit-Box Torsion Universal 1/4", 10 pcs

- Elastic torque absorbing zone intercepts strong torque peaks in the final phase of the application
- Highly resistant to wear and tear due to its hardness (bits especially for hard applications)

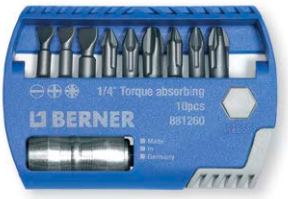
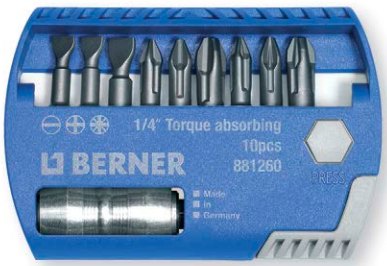
Characteristics

- Prevents twisting or premature damage to the bit tip
- Extending the lifetime of the bit and the screw
- Slipping out of the bit when suddenly a high torsional moment of the screw is significantly reduced, thereby damaging the surface of the workpiece can be avoided

Scope Of Delivery

- 1 x Elasto-bit 1/4 "LS, 5.5 x 0.8, length 25 mm
- 1 x Elasto-bit 1/4 "LS, 5.5 x 1.0, length 25 mm
- 1 x Elasto-bit 1/4 "LS, 6.5 x 1.2, length 25 mm
- per 1 x Elasto-bit PH 1, PH 2, PH 3, length 25 mm
- per 1 x Elasto-bit PZ 1, 2 PZ, PZ 3, length 25 mm
- 1 x bit holder with magnetic lock

Title	PU Piece	Article No.
Universal Elasto Box of 1/4" Bits, 10-piece	1	881260
AGR: 03.150		
Scope Of Supply	Piece	Article No.
Torsion-BIT 1/4"LS4,5X0,6 L25	1	029135
Torsion-Bit 1/4"LS5,5X1,0 L25	1	934519
Elasto-Bit slot 1/4" LS 6,5x1,2 mm length 25 mm	1	029136
Elasto Bit 1/4" Philips PH1 25 mm	1	029140
Elasto Bit 1/4" Philips PH2 25 mm	1	029143
Elasto Bit 1/4" Philips PH3 25 mm	1	029146
Elasto Bit 1/4" Pozidrive PZ1 25 mm	1	134550
Elasto Bit 1/4" Pozidrive PZ2 25 mm	1	029152
Elasto Bit 1/4" Pozidrive PZ3 25 mm	1	029156
BIT HOLDER MAGN.M DENTENT 60	1	042858



3

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Screwdrivers, bits and bit holders

Torsions Bit-Box 1/4" PZ 10pcs

- Elastic torque absorbing zone intercepts strong torque peaks in the final phase of the application
- Highly resistant to wear and tear due to its hardness (bits especially for hard applications)

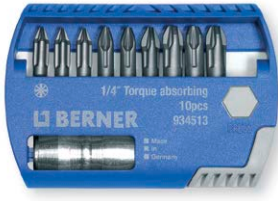
Characteristics

- Prevents twisting or premature damage to the bit tip
- Extending the lifetime of the bit and the screw
- Slipping out of the bit when suddenly a high torsional moment of the screw is significantly reduced, thereby damaging the surface of the workpiece can be avoided

Scope Of Delivery

- 3 x Elasto-bit 1/4 "1 PZ, PZ 2, PZ 3
- 1 x bit holder 1/4 "magnetically lock, length 60 mm

Title	PU Piece	Article No.
Elasto Box of 1/4" Bits, PZ, 10-piece	1	934513
AGR: 03.150		
Scope Of Supply	Piece	Article No.
Elasto Bit 1/4" Pozidrive PZ1 25 mm	3	134550
Elasto Bit 1/4" Pozidrive PZ2 25 mm	3	029152
Elasto Bit 1/4" Pozidrive PZ3 25 mm	3	029156
BIT HOLDER MAGN.M DENTENT 60	1	042858



**Torsion-Bit Box 1/4" Torx**

- Elastic torque absorbing zone intercepts strong torque peaks in the final phase of the application
- Highly resistant to wear and tear due to its hardness (bits especially for hard applications)

**Characteristics**

- Prevents twisting or premature damage to the bit tip
- Extending the lifetime of the bit and the screw
- Slipping out of the bit when suddenly a high torsional moment of the screw is significantly reduced, thereby damaging the surface of the workpiece can be avoided



3

Title	PU Piece	Article No.
Torsion-Bit Box 1/4" TX 11 PCS	1	042827

AGR: 03.150

Scope Of Supply	Piece	Article No.
Torsion-Bit 1/4" TX 10 L25	1	029162
Elasto Bit 1/4" Torx TX15 25 mm	2	029165
Elasto Bit 1/4" Torx TX20 25 mm	2	029168
Elasto Bit 1/4" Torx TX25 25 mm	2	029169
Elasto Bit 1/4" Torx TX 30 25 mm	2	000455
Torsion-Bit 1/4" TX 40 L25	1	029176
Magnetic Bit Holder 1/4" 60 mm	1	051730

INTERNAL/Approved (2019-03-22 17:09:59)

Bit-Box 1/4" Diamond PH/PZ 11 pcs

- Reduction of the contact force
- Finest diamond grains secure grip of thousands of times

Characteristics

- Reduce wear of bits and screw heads
- Reducing of screwdriving time and thus reducing of screwdriving costs



Title	PU Piece	Article No.
Bit-Box 1/4" Diamond PH/PZ 11 pcs	1	219395

AGR: 03.150

Scope Of Supply	Piece	Article No.
Diamond-Bit 1/4"	1	-
Diamond-Bit 1/4"	3	872599
Diamond-Bit 1/4"	1	840718
Diamond-Bit PZ 25 mm	1	-
Diamond-Bit PZ 25 mm	3	872575
Diamond-Bit PZ 25 mm	1	872582
BIT HOLDER MAGN.M DENTENT 60	1	042858

Bit-Box 1/4" Inox Uni 11 pcs

- Ideal for fastening of stainless steel screws

Hints

- If stainless steel screws are processed with common bits it could lead up to corrosion.

Title	PU Piece	Article No.
Bit-Box 1/4" Inox Mix 11 pcs	1	219189
AGR: 03.150		
Scope Of Supply	Piece	Article No.
BIT STAINLESSST.1/4" PH1 L25	1	055184
BIT STAINLESSST.1/4" PH2 L25	1	053163
BIT STAINLESSST.1/4" PH3 L25	1	055185
BIT STAINLESSST.1/4" PZ1 L25	1	055186
BIT STAINLESSST.1/4" PZ2 L25	1	055187
BIT STAINLESSST.1/4" PZ3 L25	1	055188
BIT STAINLESSST.1/4"TX10 L25	1	055189
BIT STAINLESSST.1/4"TX15 L25	1	055190
BIT STAINLESSST.1/4"TX20 L25	1	055191
BIT STAINLESSST.1/4"TX25 L25	1	055192
Bitholder Inox L60 1/4"	1	219396



Bit-Box 1/4" Impact TX 8pcs 29mm

- Long lifetime due to maximum torsion zone
- With its innovative 2-component structure this bit is ideal for most loads and hard screw applications
- Easy bit change and optimal view on the tool by an extended bit

Application Area

- Due to optimum torsion well suited for the use in high-powered impact-drivers, especially for hard screw applications



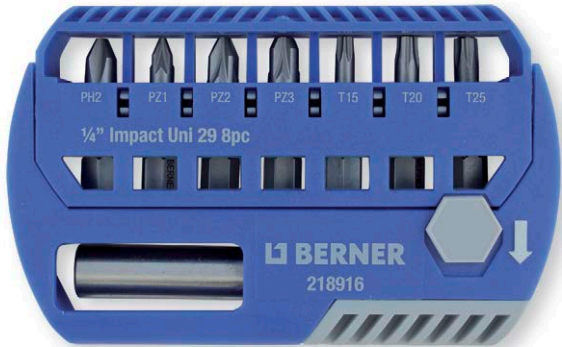
Title	PU Piece	Article No.
Bit-Box 1/4" Impact TX 8pcs 29mm	1	218915
AGR: 03.112		
Scope Of Supply	Piece	Article No.
1/4" IMPACTTOR BIT TX 10 L29	1	218892
1/4" IMPACTTOR BIT TX 15 L29	1	218895
1/4" IMPACTTOR BIT TX20 L29	2	218896
1/4" IMPACTTOR BIT TX 25 L29	1	218897
1/4" IMPACTTOR BIT TX 30 L29	1	218898
1/4" IMPACTTOR BIT TX 40 L29	1	218899
Magnetic Bit Holder 1/4" 60 mm	1	051730

Bit-Box 1/4" Impact Uni 8pcs 29mm

- Long lifetime due to maximum torsion zone
- With its innovative 2-component structure this bit is ideal for most loads and hard screw applications
- Easy bit change and optimal view on the tool by an extended bit

Application Area

- Due to optimum torsion well suited for the use in high-powered impact-drivers, especially for hard screw applications



Title	PU Piece	Article No.
Bit-Box 1/4" Impact mix 8pcs	1	218916
AGR: 03.112		
Scope Of Supply	Piece	Article No.
1/4" impact bit PH 2 length 29 mm	1	218900
1/4" IMPACTTOR BIT PZ 1 L29	1	218901
1/4" IMPACTTOR BIT PZ 2 L29	1	218902
1/4" IMPACTTOR BIT PZ 3 L29	1	218903
1/4" IMPACTTOR BIT TX 15 L29	1	218895
1/4" IMPACTTOR BIT TX20 L29	1	218896
1/4" IMPACTTOR BIT TX 25 L29	1	218897
Magnetic Bit Holder 1/4" 60 mm	1	051730

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Screwdrivers, bits and bit holders

Bit-Box 1/4" Impact TX 7pcs 49mm

- Long lifetime due to maximum torsion zone
- With its innovative 2-component structure this bit is ideal for most loads and hard screw applications
- Easy bit change and optimal view on the tool by an extended bit

Application Area

- Due to optimum torsion well suited for the use in high-powered impact-drivers, especially for hard screw applications



3

Title	PU Piece	Article No.
Bit-Box 1/4" Impact TX 49 7pcs	1	218917

AGR: 03.112

Scope Of Supply	Piece	Article No.
1/4" IMPACTTOR BIT TX 10 L49	1	218904
1/4" IMPACTTOR BIT TX 15 L49	1	218905
1/4" IMPACTTOR BIT TX 20 L49	2	218906
1/4" IMPACTTOR BIT TX 25 L49	1	218907
1/4" IMPACTTOR BIT TX 30 L49	1	218908
1/4" IMPACTTOR BIT TX 40 L49	1	218909

Bit-Box 1/4" Impact Uni 7pcs 49mm

- Long lifetime due to maximum torsion zone
- With its innovative 2-component structure this bit is ideal for most loads and hard screw applications
- Easy bit change and optimal view on the tool by an extended bit

Application Area

- Due to optimum torsion well suited for the use in high-powered impact-drivers, especially for hard screw applications

Title	PU Piece	Article No.
Bit-Box 1/4" Impact Uni 7pcs 49mm	1	218918
AGR: 03.112		
Scope Of Supply	Piece	Article No.
1/4" impact bit PH 2 length 49 mm	1	218911
1/4" IMPACTTOR BIT PZ 1 L49	1	218912
1/4" IMPACTTOR BIT PZ 2 L49	1	218913
1/4" IMPACTTOR BIT PZ 3 L49	1	218914
1/4" IMPACTTOR BIT TX 15 L49	1	218905
1/4" IMPACTTOR BIT TX 20 L49	1	218906
1/4" IMPACTTOR BIT TX 25 L49	1	218907



3

Premium Bit 1/4" Slot

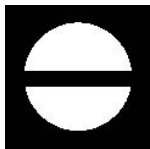
- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size slot output	Length total (mm)	PU Piece	Article No.
Premium-Bit	1/4 "	LS 3 x 0.5 mm	25 mm	1/5	150635
Premium-Bit	1/4 "	LS 4.5 x 0.6 mm	25 mm	1/5	137917
Premium-Bit	1/4 "	LS 5.5 x 0.8 mm	25 mm	1/5	137918
Premium-Bit	1/4 "	LS 6.5 x 1.2 mm	25 mm	1/5	070262
Premium-Bit	1/4 "	LS 8 x 1.2 mm	25 mm	1/5	138034

AGR: 03.110

Screwdrivers, bits and bit holders

Premium Bit 1/4" PH

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Bit	1/4 "	PH1	25 mm	1/5/10	070181
Premium-Bit	1/4 "	PH1	70 mm	1/5	029142
Premium-Bit	1/4 "	PH1	90 mm	5	934540
Premium-Bit	1/4 "	PH2	25 mm	1/5/10/25	070190
Premium-Bit	1/4 "	PH2	70 mm	1/5	029145
Premium-Bit	1/4 "	PH2	90 mm	1/5	934543
Premium-Bit	1/4 "	PH2	110 mm	1/5	887456
Premium-Bit	1/4 "	PH3	25 mm	1/5/10	070203
Premium-Bit	1/4 "	PH3	70 mm	1/5	029148
Premium-Bit	1/4 "	PH3	110 mm	1/5	934548
Premium-Bit	1/4 "	PH4	32 mm	1/5	216372

AGR: 03.111 / 03.121

INTERNAL/Approved (2019-03-22 17:11:37)

Screwdrivers, bits and bit holders

Premium Bit 1/4" PZ

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Bit	1/4 "	PZ1	25 mm	1/5/10/25	051098
Premium-Bit	1/4 "	PZ1	70 mm	1/5	934569
Premium-Bit	1/4 "	PZ1	90 mm	1/5	934570
Premium-Bit	1/4 "	PZ2	25 mm	1/5/10/25	051101
Premium-Bit	1/4 "	PZ2	70 mm	1/5	934572
Premium-Bit	1/4 "	PZ2	90 mm	1/5	934573
Premium-Bit	1/4 "	PZ2	110 mm	5	887463
Premium-Bit	1/4 "	PZ3	25 mm	1/10	118052
Premium-Bit	1/4 "	PZ3	70 mm	1/5	934576
Premium-Bit	1/4 "	PZ3	110 mm	1/5	934578
Premium-Bit	1/4 "	PZ4	32 mm	1/5	167169

AGR: 03.112 / 03.122

Premium Bit 1/4" TX

- Precise blade tips for low wear and optimal torque transmission



INTERNAL/Approved (2019-03-22 17:12:04)

Application Area

- Suitable for manual and machine applications



Characteristics

- Good wear resistance and thereby long service life

Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Bit	1/4 "	TX6	25 mm	1/5	132225
Premium-Bit	1/4 "	TX7	25 mm	1/5	132224
Premium-Bit	1/4 "	TX8	25 mm	1/5	132222
Premium-Bit	1/4 "	TX9	25 mm	1/5	739219
Premium-Bit	1/4 "	TX10	25 mm	1/5/10	261815
Premium-Bit	1/4 "	TX10	70 mm	1/5	029164
Premium-Bit	1/4 "	TX15	25 mm	1/5/10/25	288551
Premium-Bit	1/4 "	TX15	70 mm	1/5	029167
Premium-Bit	1/4 "	TX20	25 mm	1/10/25	246999
Premium-Bit	1/4 "	TX20	70 mm	1/5	771589
Premium-Bit	1/4 "	TX25	25 mm	1/5/10/25	247006
Premium-Bit	1/4 "	TX25	70 mm	1/5	029171
Premium-Bit	1/4 "	TX25	110 mm	1/5	755788
Premium-Bit	1/4 "	TX27	25 mm	1/10	274224
Premium-Bit	1/4 "	TX27	70 mm	1/5	771600
Premium-Bit	1/4 "	TX30	25 mm	1/10	261840
Premium-Bit	1/4 "	TX30	70 mm	1/5	029175
Premium-Bit	1/4 "	TX40	25 mm	1/5/10/25	261858
Premium-Bit	1/4 "	TX40	70 mm	1/5	934637
Quality-Bit	1/4 "	TX50	35 mm	1	245225

AGR: 03.113 / 03.123

INTERNAL/Approved (2019-03-22 17:12:29)

Premium Bit 1/4" Hole R-TX

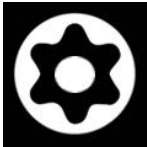
- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Hole-Bit	1/4 "	R-TX10	25 mm	1/5	102408
Premium-Hole-Bit	1/4 "	R-TX15	25 mm	1/5	102406
Premium-Hole-Bit	1/4 "	R-TX20	25 mm	1/5	102405
Premium-Hole-Bit	1/4 "	R-TX25	25 mm	1/5	102404
Premium-Hole-Bit	1/4 "	R-TX27	25 mm	1/5	102403
Premium-Hole-Bit	1/4 "	R-TX30	25 mm	1/5	512893
Premium-Hole-Bit	1/4 "	R-TX40	25 mm	1/5	102402

AGR: 03.113

INTERNAL/Approved (2019-03-22 17:12:53)

Premium Bit 1/4" Hex I6KT

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Bit	1/4 "	6KT2	25 mm	1/5	934586
Premium-Bit	1/4 "	6KT2.5	25 mm	1/5	934587
Premium-Bit	1/4 "	6KT3	25 mm	1/5	070289
Premium-Bit	1/4 "	6KT4	25 mm	1/5	070297
Premium-Bit	1/4 "	6KT5	25 mm	1/5	070300
Premium-Bit	1/4 "	6KT6	25 mm	1/5	070319
Premium-Bit	1/4 "	6KT8	25 mm	1/5	070327

AGR: 03.115

Screwdrivers, bits and bit holders

Premium-Bit 1/4" Square Drive

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Bit	1/4 "	4KT1	25 mm	1/5	174302
Premium-Bit	1/4 "	4KT1	50 mm	1/5	174303
Premium-Bit	1/4 "	4KT2	25 mm	1/5	174306
Premium-Bit	1/4 "	4KT2	50 mm	1/5	174307
Premium-Bit	1/4 "	4KT2	75 mm	1/5	174308
Premium-Bit	1/4 "	4KT3	25 mm	1/5	174310
Premium-Bit	1/4 "	4KT3	50 mm	1/5	174311

AGR: 03.119 / 03.129

INTERNAL/Approved (2019-03-22 17:13:17)

Premium-Bit 5/16" Slot

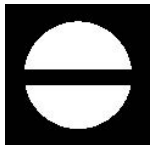
- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



3

Title	Drive Size Inch	Form and size slot output	Length total (mm)	PU Piece	Article No.
Premium-Bit	5/16 "	LS 5.5 x 1 mm	41 mm	1	070408
Premium-Bit	5/16 "	LS 6.5 x 1.2 mm	41 mm	1	134377
Premium-Bit	5/16 "	LS 8 x 1.2 mm	41 mm	1	070424
Premium-Bit	5/16 "	LS 8 x 1.6 mm	41 mm	1	134378
Premium-Bit	5/16 "	LS 10 x 1.6 mm	41 mm	1	070440
Premium-Bit	5/16 "	LS 12 x 2 mm	41 mm	1	070459

AGR: 03.130

INTERNAL/Approved (2019-03-22 17:13:22)

**Premium Bit 5/16" PH**

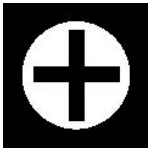
- Precise blade tips for low wear and optimal torque transmission

**Application Area**

- Suitable for manual and machine applications

**Characteristics**

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Bit	5/16 "	PH1	32 mm	1	070343
Premium-Bit	5/16 "	PH3	32 mm	1	070360

AGR: 03.130

Premium Bit 5/16" TX

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Bit	5/16 "	TX20	35 mm	1	934623
Premium-Bit	5/16 "	TX25	100 mm	1	111700
Premium-Bit	5/16 "	TX27	35 mm	1	216437
Premium-Bit	5/16 "	TX30	100 mm	1	111392
Premium-Bit	5/16 "	TX40	100 mm	1	755800
Premium-Bit	5/16 "	TX45	100 mm	1	755818
Premium-Bit	5/16 "	TX50	35 mm	1	216399
Premium-Bit	5/16 "	TX50	100 mm	1	111393
Premium-Bit	5/16 "	TX55	35 mm	1	755796
Premium-Bit	5/16 "	TX55	100 mm	1	755826
Premium-Bit	5/16 "	TX60	35 mm	1	105544

AGR: 03.130

Premium Bit 5/16" Hole R-TX

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Hole Bit	5/16 "	R-TX45	35 mm	1	102401
Premium-Hole Bit	5/16 "	R-TX50	35 mm	1	102400
Premium-Hole Bit	5/16 "	R-TX55	35 mm	1	102399

AGR: 03.130

INTERNAL/Approved (2019-03-22 17:13:35)

Premium Bit 5/16" Hex

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine applications

Characteristics

- Good wear resistance and thereby long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Premium-Bit	5/16 "	6KT4	30 mm	1	070475
Premium-Bit	5/16 "	6KT5	30 mm	1	070483
Premium-Bit	5/16 "	6KT6	30 mm	1	070491
Premium-Bit	5/16 "	6KT8	30 mm	1	070505
Premium-Bit	5/16 "	6KT10	30 mm	1	070513

AGR: 03.130

# 1/4" Toko Bit TX

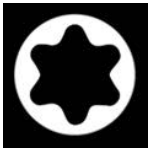
- Optimal hold of the bit in the screw by specially developed bit geometry
- Produced under the tightest tolerances – the bit holds the screw by itself and enables one-handed screwing

## Application Area

- Especially suitable for chipboard with optimum concentricity of the screw through special tailored bit and screw head from Berner – no tumbling motion

## Characteristics

- Especially suitable for Easy Fast Wave



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Toko Bit	1/4 "	TX10	25 mm	1/5/25	144251
Toko Bit	1/4 "	TX15	25 mm	1/5	144252
Toko Bit	1/4 "	TX20	25 mm	1/5/25	144253
Toko Bit	1/4 "	TX25	25 mm	1/5/25	144254
Toko Bit	1/4 "	TX30	25 mm	1/5/25	144255
Toko Bit	1/4 "	TX40	25 mm	1/5/25	144256

AGR: 03.113

INTERNAL/Approved (2019-03-22 17:13:46)

Torsions-Bit 1/4"

- Elastic torque absorbing zone intercepts strong torque peaks in the final phase of the application
- Highly resistant to wear and tear due to its hardness (bits especially for hard applications)

Characteristics

- Prevents twisting or premature damage to the bit tip
- Extending the lifetime of the bit and the screw
- Slipping out of the bit when suddenly a high torsional moment of the screw is significantly reduced, thereby damaging the surface of the workpiece can be avoided



Title	Drive Size Inch	Form and size slot output	Length total (mm)	PU Piece	Article No.
Bit Torque absorbing	1/4 "	LS 4.5 x 0.6 mm	25 mm	1/5	029135
Bit Torque absorbing	1/4 "	LS 5.5 x 1 mm	25 mm	1/5	934519
Elasto Bit	1/4 "	LS 6.5 x 1.2 mm	25 mm	1/5	029136

AGR: 03.110

INTERNAL/Approved (2019-03-22 17:14:01)

Torsions-Bit 1/4" PH

- Elastic torque absorbing zone intercepts strong torque peaks in the final phase of the application
- Highly resistant to wear and tear due to its hardness (bits especially for hard applications)

Characteristics

- Prevents twisting or premature damage to the bit tip
- Extending the lifetime of the bit and the screw
- Slipping out of the bit when suddenly a high torsional moment of the screw is significantly reduced, thereby damaging the surface of the workpiece can be avoided



3

Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Elasto Bit	1/4 "	PH1	25 mm	1/10	029140
Elasto Bit	1/4 "	PH1	50 mm	1/5	029141
Elasto Bit	1/4 "	PH2	25 mm	1/10	029143
Elasto Bit	1/4 "	PH2	50 mm	1/5	029144
Elasto Bit	1/4 "	PH3	25 mm	1/10	029146
Elasto Bit	1/4 "	PH3	50 mm	1/5	029147

AGR: 03.111

INTERNAL/Approved (2019-03-22 17:14:14)

Torsions-Bit 1/4" PZ

- Elastic torque absorbing zone intercepts strong torque peaks in the final phase of the application
- Highly resistant to wear and tear due to its hardness (bits especially for hard applications)

Characteristics

- Prevents twisting or premature damage to the bit tip
- Extending the lifetime of the bit and the screw
- Slipping out of the bit when suddenly a high torsional moment of the screw is significantly reduced, thereby damaging the surface of the workpiece can be avoided



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Elasto Bit	1/4 "	PZ1	25 mm	1/10	134550
Elasto Bit	1/4 "	PZ1	50 mm	1/5	029150
Elasto Bit	1/4 "	PZ2	25 mm	1/10	029152
Elasto Bit	1/4 "	PZ2	50 mm	1/5	029153
Elasto Bit	1/4 "	PZ3	25 mm	1/10	029156
Elasto Bit	1/4 "	PZ3	50 mm	1/5	134551

AGR: 03.112

INTERNAL/Approved (2019-03-22 17:14:32)

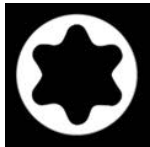
Screwdrivers, bits and bit holders

1/4" Torsion-Bit TX

- Elastic torque absorbing zone intercepts strong torque peaks in the final phase of the application
- Highly resistant to wear and tear due to its hardness (bits especially for hard applications)

Characteristics

- Prevents twisting or premature damage to the bit tip
- Extending the lifetime of the bit and the screw
- Slipping out of the bit when suddenly a high torsional moment of the screw is significantly reduced, thereby damaging the surface of the workpiece can be avoided



3

INTERNAL/Approved (2019-03-22 17:14:48)

Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Elasto Bit	1/4 "	TX10	25 mm	1/10	029162
Elasto Bit	1/4 "	TX10	50 mm	1/5	029163
Elasto Bit	1/4 "	TX15	25 mm	1/10	029165
Elasto Bit	1/4 "	TX15	50 mm	1/5	029166
Elasto Bit	1/4 "	TX20	25 mm	1/10	029168
Elasto Bit	1/4 "	TX20	50 mm	1/5	032791
Elasto Bit	1/4 "	TX25	25 mm	1/10	029169
Elasto Bit	1/4 "	TX25	50 mm	1/5	029170
Elasto Bit	1/4 "	TX27	25 mm	1/10	029172
Elasto Bit	1/4 "	TX30	25 mm	1/10	000455

Peak-Bit

- Corrosion resistant coating. The screwing is possible in a slightly inclined position

Application Area

- The best tip to screw in inaccessible places, particularly suitable for wood screws.

Characteristics

- Chatter and wear of bit tip and screw head is reduced
- Extremely long lifetime



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Peak-Bit	1/4 "	PH1	25 mm	10	155999
Peak-Bit	1/4 "	PH2	25 mm	1/10	002982
Peak-Bit	1/4 "	PH2	50 mm	1/10	002989
Peak-Bit	1/4 "	PH3	25 mm	10	156002

AGR: 03.111

Pozidrive Bit

- Corrosion resistant coating. The screwing is possible in a slightly inclined position

Application Area

- The best tip to screw in inaccessible places, particularly suitable for wood screws.

Characteristics

- Reduced pressure force, reduced wear of the bit tip and of the screw head, particularly long service life



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Peak-Bit	1/4 "	PZ1	25 mm	10	156004
Peak-Bit	1/4 "	PZ2	25 mm	10	156005
Peak-Bit	1/4 "	PZ2	50 mm	10	161484
Peak-Bit	1/4 "	PZ3	25 mm	10	156006

AGR: 03.112

Diamond Bit

- Corrosion resistant coating. Diamond particles and sapphire ensure optimal torque transmission and perfect grip in the screw head.

Characteristics

- Reduced wear of bits and screw heads
- Reducing of screw driving time and thus reducing of screw driving costs



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Diamond-Bit	1/4 "	PH2	-	1/5	872599
Diamond-Bit	1/4 "	PH3	25 mm	1/5	840718

AGR: 03.111

Diamond Bit Pozidrive

- Corrosion resistant coating. Diamond particles and sapphire ensure optimal torque transmission and perfect grip in the screw head.

Characteristics

- Reduce wear of bits and screw heads
- Reducing of screw driving time and thus reducing of screw driving costs



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Diamond-Bit	1/4 "	PZ2	25 mm	1/10	872575
Diamond-Bit	1/4 "	PZ3	25 mm	1/5	872582

AGR: 03.112

INTERNAL/Approved (2019-03-22 17:15:16)

Stainless Steel Bit 1/4" PH

- Ideal for fastening and unfastening of stainless steel screws

Hints

- Processed stainless steel screws with conventional bits it may be subject to corrosion



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
BIT STAINLESSST.1/4"	1/4 "	PH1	25 mm	1/10	055184
BIT STAINLESSST.1/4"	1/4 "	PH2	25 mm	1/10	053163
BIT STAINLESSST.1/4"	1/4 "	PH3	25 mm	1/10	055185

AGR: 03.111

Stainless Steel Bit Pozidrive 1/4"

- Ideal for fastening and unfastening of stainless steel screws

Hints

- Processed stainless steel screws with conventional bits it may be subject to corrosion



Title	Drive Size Inch	Form and size of output	PU Piece	Article No.
BIT STAINLESSST.1/4" PZ1 L25	1/4 "	PZ1	1/10	055186
BIT STAINLESSST.1/4" PZ2 L25	1/4 "	PZ2	1/10	055187
BIT STAINLESSST.1/4" PZ3 L25	1/4 "	PZ3	1/10	055188

AGR: 03.112

INTERNAL/Approved (2019-03-22 17:15:26)

Stainless Steel Bit 1/4" Torx

- Ideal for fastening and unfastening of stainless steel screws

Hints

- Processed stainless steel screws with conventional bits it may be subject to corrosion



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
BIT STAINLESSST.1/4"TX10 L25	1/4 "	TX10	25 mm	1/10	055189
BIT STAINLESSST.1/4"TX15 L25	1/4 "	TX15	25 mm	1/10	055190
BIT STAINLESSST.1/4"TX20 L25	1/4 "	TX20	25 mm	1/10	055191
BIT STAINLESSST.1/4"TX25 L25	1/4 "	TX25	25 mm	1/10	055192
BIT STAINLESSST.1/4"TX30 L25	1/4 "	TX30	25 mm	1/10	140685

AGR: 03.113

Impact-Bit 1/4" PH

- Long lifetime due to maximum torsion zone
- With its innovative 2-component structure this bit is ideal for most loads and hard screw applications
- Easy bit change and optimal view on the tool by an extended bit

Application Area

- Due to optimum torsion well suited for the use in high-powered impact-drivers, especially for hard screw applications



49 mm



29 mm



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Impact-Bit 1/4"	1/4 "	PH2	29 mm	10	218900
Impact-Bit 1/4"	1/4 "	PH2	49 mm	10	218911
Impact-Bit 1/4" PH	1/4 "	PH3	29 mm	10	352176
Impact-Bit 1/4"	1/4 "	PH3	49 mm	5	352177

AGR: 03.112

Impact-Bit 1/4" PZ

- Long lifetime due to maximum torsion zone
- With its innovative 2-component structure this bit is ideal for most loads and hard screw applications
- Easy bit change and optimal view on the tool by an extended bit

Application Area

- Due to optimum torsion well suited for the use in high-powered impact-drivers, especially for hard screw applications



49 mm



29 mm



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
1/4" IMPACTTOR BIT PZ 1 L29	1/4 "	PZ1	29 mm	10	218901
1/4" IMPACTTOR BIT PZ 1 L49	1/4 "	PZ1	49 mm	10	218912
1/4" IMPACTTOR BIT PZ 2 L29	1/4 "	PZ2	29 mm	10	218902
1/4" IMPACTTOR BIT PZ 2 L49	1/4 "	PZ2	49 mm	1/10	218913
1/4" IMPACTTOR BIT PZ 3 L29	1/4 "	PZ3	29 mm	10	218903
1/4" IMPACTTOR BIT PZ 3 L49	1/4 "	PZ3	49 mm	10	218914

AGR: 03.112

Impact-Bit 1/4" TX

- Long lifetime due to maximum torsion zone
- With its innovative 2-component structure this bit is ideal for most loads and hard screw applications
- Easy bit change and optimal view on the tool by an extended bit

Application Area

- Due to optimum torsion well suited for the use in high-powered impact-drivers, especially for hard screw applications



49 mm



29 mm



3

Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
1/4" IMPACTTOR BIT TX 10 L29	1/4 "	TX10	29 mm	10	218892
1/4" IMPACTTOR BIT TX 10 L49	1/4 "	TX10	49 mm	10	218904
1/4" IMPACTTOR BIT TX 15 L29	1/4 "	TX15	29 mm	10	218895
1/4" IMPACTTOR BIT TX 15 L49	1/4 "	TX15	49 mm	10	218905
1/4" IMPACTTOR BIT TX20 L29	1/4 "	TX20	29 mm	10	218896
1/4" IMPACTTOR BIT TX 20 L49	1/4 "	TX20	49 mm	10	218906
1/4" IMPACTTOR BIT TX 25 L29	1/4 "	TX25	29 mm	10	218897
1/4" IMPACTTOR BIT TX 25 L49	1/4 "	TX25	49 mm	10	218907
1/4" IMPACTTOR BIT TX 30 L29	1/4 "	TX30	29 mm	10	218898
1/4" IMPACTTOR BIT TX 30 L49	1/4 "	TX30	49 mm	10	218908
1/4" IMPACTTOR BIT TX 40 L29	1/4 "	TX40	29 mm	10	218899
1/4" IMPACTTOR BIT TX 40 L49	1/4 "	TX40	49 mm	10	218909

AGR: 03.112

INTERNAL/Approved (2019-03-22 17:16:13)

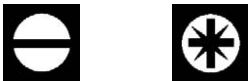
Switchboard Bit SL/PH



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Quality bit kombi SL/PH	1/4 "	PH1-LS	50 mm	5	337588
Quality bit kombi SL/PH 2 L50	1/4 "	PH2-LS	50 mm	5	337590
Quality bit kombi SL/PH 1 L90	1/4 "	PH1-LS	90 mm	5	337589
Quality bit kombi SL/PH 2 L90	1/4 "	PH2-LS	90 mm	5	337591

AGR: 03.149

Switchboard Bit SL/PZ



Title	Drive Size Inch	Form and size of output	Length total (mm)	PU Piece	Article No.
Quality bit kombi SL/PZ1 L50	1/4 "	PZ1-LS	50 mm	5	337592
Quality bit kombi SL/PZ2 L50	1/4 "	PZ2-LS	50 mm	5	337594
Quality bit kombi SL/PZ1 L90	1/4 "	PZ1-LS	90 mm	5	337593
Quality bit kombi SL/PZ2 L90	1/4 "	PZ2-LS	90 mm	5	337595

AGR: 03.149

INTERNAL/Approved (2019-03-22 17:16:22)

Bit holders slim lock 1/4" magnetic with sleeve long

- Extremely slim form - only Ø 10,3 mm.
- With magnet.
- Quick release with the push-button.
- Easy guiding thanks to the tube on the body especially on great depth.



Technical Data

Magnetic	Yes
Quick change	Yes
Lock	Yes

Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Bit holder with sleeve slim lock	1/4 "	1/4 "	6KT1/4"	150 mm	1	340644
Bit holder with sleeve slim lock	1/4 "	1/4 "	6KT1/4"	300 mm	1	340645

AGR: 03.160

Adapter 1/4" for socket wrench

Application Area

- Insert of 1/4" and 3/8"socket wrenches in machines (pin protection in accordance with DIN) or in bit-ratchets (ball protection in accordance with DIN)



Title	Driver Type	Drive Size Inch	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
Hexagonal bit adapter ball protection	6KT 6-point socket	1/4 "	4KT	1/4 "	50 mm	1	045401
Hexagonal bit adapter ball protection	6KT 6-point socket	1/4 "	4KT	3/8 "	50 mm	1	045400

AGR: 03.160

INTERNAL/Approved (2019-03-22 17:16:28)

Screwdrivers, bits and bit holders

Bit holder magnetic 1/4" SDS / Fine

Application Area

- Input of 1/4" Hexagon head - Bits in the Machines

Characteristics

- Fine or SDS Plus Sockets

Technical Data

Magnetic Yes



Title	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Fine Magnetic Bit Holder	1/4 "	6KT1/4"	72 mm	1	739073
SDS-plus magnetic bit holder	1/4 "	6KT1/4"	75 mm	1	025631

AGR: 03.160

Magnetic Bit Holder 1/4"

- Precise blade tips for low wear and optimal torque transmission

Application Area

- Suitable for manual and machine application

Characteristics

- Good wear resistance and thereby long service life

Technical Data

Magnetic Yes



Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Magnetic Bit Holder	1/4 "	1/4 "	6KT1/4"	58 mm	1/5/10	051730
Universal bit holder 1/4" magnetic	1/4 "	1/4 "	6KT1/4"	75 mm	1/5/10	470892

AGR: 03.160

INTERNAL/Approved (2019-03-22 17:16:42)

Screwdrivers, bits and bit holders

Magnetic Bit Holder with Quick-Change Chuck 1/4"

- Magnet eases Setting of the Screw
- Fast bit change by slightly shifting the spring dowel pin
- Firm connection between holder and bit

Application Area

- Insert of 1/4"-hexagon head bits in machines

Characteristics

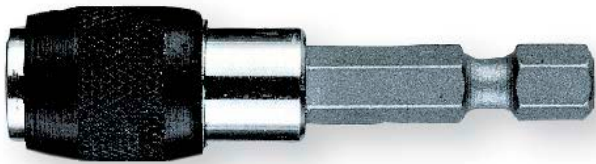
- Socket 1/4" hexagon head

Technical Data

Magnetic	Yes
Quick change	Yes
Lock	Yes

Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Magnetic Bit Holder with Lock	1/4 "	1/4 "	6KT1/4"	60 mm	1	899718

AGR: 03.160



Screwdrivers, bits and bit holders

Quick-Change Holder Magnet 1/4"

- Bit is automatically verriegelt when plugging
- Easy bit removal by ejection function
- Robust operating sleeve made of hardened steel
- With strong neodymium magnet

Application Area

- If the bit needs a secure and without play
- Ideal for screw profiles which tend to terminals in the screw

Characteristics

- Socket 1/4" hexagon head

Technical Data

Magnetic	Yes
Quick change	Yes
Lock	Yes



Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
BIT HOLDER MAGN.M DENTENT 60	1/4 "	1/4 "	6KT1/4"	60 mm	1	042858

AGR: 03.160

Bitholder Inox L60 1/4"

- Made out of high-quality stainless steel, non-corrosive, therefore recommended for the use of stainless steel-bits

Characteristics

- Due to the specific holding mechanism the bit holder holds all forms of bits with a 1/4" hexagonal drive
- One-hand operation ensures a fast bit change

Technical Data

Lock	Yes
------	-----



Title	Drive Size Inch	Output Drive Size In Inch	Form and size of output	Length	PU Piece	Article No.
Bitholder Inox L60 1/4"	1/4 "	1/4 "	6KT1/4"	60 mm	1	219396

AGR: 03.160

Screwdrivers, bits and bit holders

1/4" Socket Wrench

- All sockets with a permanent magnet

Application Area

- For automatic screwing of hex head screws, with a strong permanent magnet

Characteristics

- Intake 1/4" hexagonal



3

Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
BIT MAG 1/4 A6-KT 55MM SW 1/4"	1/4 "	6KT	6.35 mm	55 mm	1	159142
M-SKT.SPA.INSHEX 1/4 7	1/4 "	6KT	7 mm	55 mm	1	028764
M-SKT.SPA.INSHEX 1/4 8	1/4 "	6KT	8 mm	55 mm	1	028765
Screw bit	3/8 "	6KT	9.52 mm	55 mm	1	826585
M-SKT.SPA.INSHEX 1/4 10	1/4 "	6KT	10 mm	55 mm	1	028766
M-SKT.SPA.INSHEX TH 13	1/4 "	6KT	13 mm	55 mm	1	041869

AGR: 03.010 / 03.125 / 03.129

Screwdrivers, bits and bit holders

Turn-Angle Bit drive XXL

- Very long slim design
- 1/4 "bit holder with spring
- Rotary handle as Bit drive
- Rugged aluminum tube and therefore very easy
- Grab bar for more contact pressure of the bit in the screw
- Ideal for carburetor adjustments on the bike
- For screw connections under the dashboard or the like



Application Area

- As drive for 1/4" bits and for wrenching operations on hard to reach areas

Scope Of Delivery

- Angle bit drive XXL
- Support handle

Title	Drive	PU Piece	Article No.
Turn-Angel Bit drive XXL AGR: 03.160	1/4"	1	244696

Adapter/Reduction set 6 pieces

- All adapters and reducers clearly arranged
- The ball lock in the output ensures a quick connection, secure holding and quick release with the socket.
- The versions with a “3/4” or “1” drive have a hole for locking. This means that they can also be combined with “pin locking devices



Application Area

- For the use of different drives with each other

Characteristics

- Material: Chrome Vanadium
- Finish: Matt Satin Chrome

Hints

- In the case of reductions, the Max. torque of the smaller drive must always be observed. For example, from “3/4” to “1/2”. Here a very high force is applied to a smaller component

Scope Of Delivery

- 1 x adapter 1/4" to 3/8", 3/8" to 1/2", 1/2" to 3/4" each
- 1 x reduction 3/4" to 1/2", 1/2" to 3/8", 3/8" to 1/4" each

Title	Drive	PU Piece	Article No.
Adapter/Reduction set 6 pieces	4KT	1	369076

AGR: 03.018

Scope Of Supply	Amount	Article No.
Enlargement 1/2" to 3/8"	1	064122
Enlargement 3/8" to 1/4"	1	063630
Enlargement 1/4" to 3/8"	1	063622
Enlargement 3/8" to 1/2"	1	064114
Enlargement 1/2" to 3/4"	1	065099
Reduction B 3/4" - 1/2"	1	369511

INTERNAL/Approved (2019-03-22 17:17:14)

Screwdrivers, bits and bit holders

Adapter/Reduction Set 8 pcs

- All adapters and reducers clearly arranged
- The ball lock in the output ensures a quick connection, secure holding and quick release with the socket
- Insoles fit into the Berner workshop trolley
- The versions with a "3/4" or "1" drive have a hole for locking. This means that they can also be combined with "pin locks".



Application Area

- For the use of different drives with each other

Characteristics

- Oberfläche: Matt Satin Chrome
- Material: Chrome Vanadium

Hints

- In the case of reductions, the Max. torque of the smaller drive must always be observed. For example, from "3/4" to "1/2". Here a very high force is applied to a smaller component

Scope Of Delivery

- 1 x adapter 1/4" to 3/8", 3/8" to 1/2", 1/2" to 3/4", 3/4" to 1" each
- 1 x reduction 1" to 3/4", 3/4" to 1/2", 1/2" to 3/8", 3/8" to 1/4" each

Title	Drive	PU Piece	Article No.
Adapter/Reduction Set 8 pcs	4KT	1	369077
AGR: 03.018			
Scope Of Supply		Amount	Article No.
Adapter B 3/4" to 1"		1	369078
Enlargement 1/2" to 3/8"		1	064122
Enlargement 3/8" to 1/4"		1	063630
Enlargement 1/4" to 3/8"		1	063622
Enlargement 3/8" to 1/2"		1	064114
Enlargement 1/2" to 3/4"		1	065099
Reduction B 1" to 3/4"		1	369079
Reduction B 3/4" - 1/2"		1	369511

Steckschlüssel-Satz 1/4", 3/8", 1/2" in Hartschaumeinlage



Title	PU Piece	Article No.
Steckschl. 1/4", 3/8", 1/2"	1	370298
AGR: 03.701		

Socket Set XXL BFD+ Smart Box



Title	PU Piece	Article No.
Socket Set XXL BFD+ Smart Box	1	370299
AGR: 03.018		

Heavy-Duty Combination Pliers „Combi-Max“

- Integrated ring key for sizes M 8, M 9 and M 10 or Ø 11 – 17 mm
- Smooth action through high leverage with optimum lever transmission
- Comfortable to work with due to 3-component technology with a soft grip zone
- Large jaw width on the cutting tool up to Ø 12 mm or 13 mm
- Cutting edges are also induction hardened, can be used for hard and soft wires
- With “Touch-Grip” and Waveprofile

Characteristics

- Non-reflective, matt chromium-plated metal finish

Technical Data

Grip Material3 component handle

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	Cutting Performance-Ø Wire	PU Piece
Heavy-Duty Pliers	165 mm	4 mm	3.1 mm	2 mm	10 mm	1
Heavy-Duty Combination Pliers „Combi-Max“	180 mm	5.2 mm	3.4 mm	2.2 mm	12 mm	1
Heavy-Duty Combination Pliers „Combi-Max“	205 mm	5.9 mm	3.8 mm	2.5 mm	13 mm	1

Article No.

100531

100534

100535

AGR: 03.202



Needle Nose Pliers

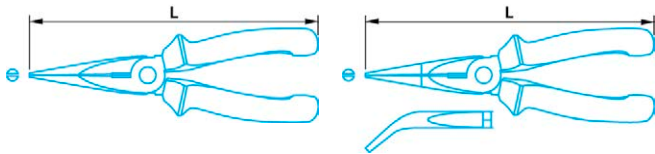
- Comfortable to work with due to 3-component technology with a soft grip zone
- Cutting edges are also induction hardened, can be used for hard and soft wires

Characteristics

- Non-reflective, matt chromium-plated metal finish, straight design or 45° offset

Technical Data

Grip Material	3 component handle
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Title	Length	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	PU Piece	Article No.
Needle Nose Pliers 3-Comp. Soft Grip, Str.	170 mm	1.6 mm	1.8 mm	1	100526
3K TELEPHONEPL. STRAIGHT 205VC	205 mm	3.2 mm	2.2 mm	1	100529
3K TELEPHONEPLIER BENT 205VC	205 mm	3.2 mm	2.2 mm	1	100527

AGR: 03.202

INTERNAL/Approved (2019-03-22 17:17:47)

Pliers, tweezers, shears, bolt cutters

Flat-Nosed Pliers

- Comfortable to work with due to 3-component technology with a soft grip zone

Characteristics

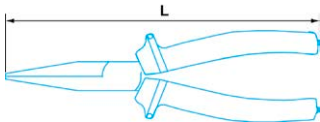
- Non-reflective, matt chromium-plated metal finish

Technical Data

Grip Material	3 component handle		
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Title	Length	PU Piece	Article No.
Flat-Nosed Pliers with 3-Component Soft Grip	160 mm	1	100533

AGR: 03.202

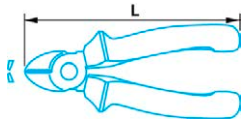


Side Cutters

- Saving on force through high leverage with optimum lever transmission
- Comfortable to work with due to 3-component technology with a soft grip zone
- Shaft profile prevents the cable from slipping out and reduces the force expended due to its low frictional resistance
- Cutting edges are also induction hardened, can be used for hard and soft wires
- With "Touch-Grip" and Waveprofile

Characteristics

- Non-reflective, matt chromium-plated metal finish



Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Hard Wire	PU Piece	Article No.
Side Cutters with 3-Component Soft Grip	145 mm	5 mm	1.7 mm	1	100520
Side Cutters with 3-Component Soft Grip	160 mm	6 mm	2 mm	1	100521

AGR: 03.200

Uni-Side Cutter 3-K Car

- Pleasant working with 3-component technology with soft grip zone
- 4 applications in tongs, trimming - stripping - crimping - bending
- Stripping of 0.5 mm<sup>2</sup> cable - for CAN bus cable, e.g. Data cable for control units
- Stripping for single or multi-core cables
- Stripping 0.75 mm<sup>2</sup> cable - for power supply cables e.g. Radio, horn,
- Light, etc.
- Stripping of 1.5 mm<sup>2</sup> cable - for power supply cables with a higher current consumption e.g. Car sockets, cigarette lighter and various cables on trailers
- Crimping of insulated and uninsulated connectors
- Longer, induction hardened precision cutting



3

Technical Data

Grip Material 3 component handle

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
Uni-Side Cutter 3-K Car	190 mm	2.0 mm	1.0 mm	4.0 mm	1	338075

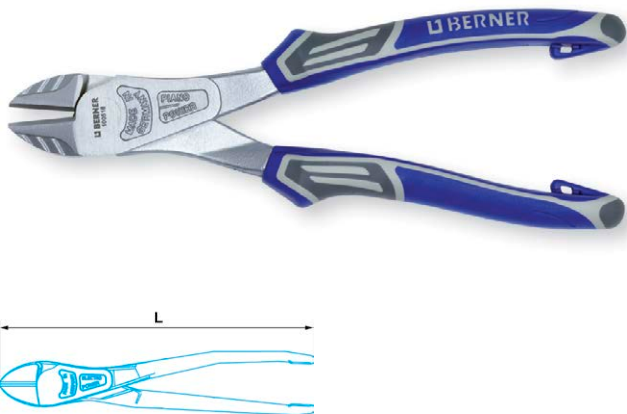
AGR: 03.206

Heavy-Duty Side Cutters

- Saving on force through high leverage with optimum lever transmission
- Comfortable to work with due to 3-component technology with a soft grip zone
- Cutting edges are also induction hardened, can be used for medium-hard, hard and piano wire
- With “Touch-Grip” and Waveprofile

Characteristics

- Non-reflective, matt chromium-plated metal finish



Title	Length	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	Cutting Performance Ø Piano-Wire	PU Piece	Article No.
Heavy-Duty Side Cut. 3-Comp. Soft Grip	150 mm	3 mm	2 mm	1.5 mm	1	100517
Heavy-Duty Side Cut. with 3-Comp. Soft Grip	180 mm	3.7 mm	2.6 mm	2.2 mm	1	100518

AGR: 03.200

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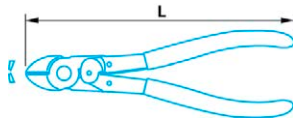
Pliers, tweezers, shears, bolt cutters

Lever Heavy-Duty Side Cutters

- Enormous cutting force expending 40% less effort due to the optimised lever transmission
- Comfortable to work with due to 3-component technology with a soft grip zone
- Cutting edges are also induction hardened, can be used for medium-hard wire, hard wire and piano wire
- With “Touch-Grip” and Waveprofile

Characteristics

- Non-reflective, matt chromium-plated metal finish



Title	Length	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	Cutting Performance Ø Piano-Wire	PU Piece	Article No.
3-C Lever Heavy-Duty Side Cutters 180 mm	180 mm	4.0 mm	2.8 mm	2.5 mm	1	338076
3-Component Lever Heavy-Duty Side Cutters	200 mm	4.5 mm	3.5 mm	3 mm	1	100525

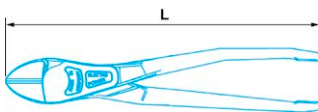
AGR: 03.200

Heavy-Duty Side Cutters „Electro-Power“

- Saving on force through the new ergonomic handle position and high leverage with optimum lever transmission
- Comfortable to work with due to 3-component technology with a soft grip zone
- 20% longer cutting, as well as induction hardened. They can cut through piano wire up to 2.5 mm without having to rework it or without heavy squeezing
- With “Touch-Grip” and Waveprofile

Characteristics

- Non-reflective, matt chromium-plated metal finish



Title	Length	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	Cutting Performance Ø Piano-Wire	PU Piece	Article No.
Heavy-Duty Side Cut. 3-Comp. Soft Grip	200 mm	4 mm	2.8 mm	2.5 mm	1	100524

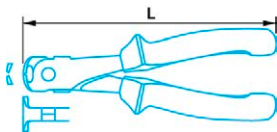
AGR: 03.200

End-Cutter Pliers

- Comfortable to work with due to 3-component technology with a soft grip zone
- Cutting edges are also induction hardened, can be used for medium-hard, hard and piano wire

Characteristics

- Non-reflective, matt chromium-plated metal finish



Title	Length	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	PU Piece	Article No.
Pre-Cutters with 3-Component Soft Grip	160 mm	2.8 mm	2.6 mm	1	100522
Pre-Cutters with 3-Component Soft Grip	200 mm	3.5 mm	3 mm	1	100523

AGR: 03.200

Front Cutter PowerBolt

- For bolts, nails, rivets
- Hard wires and smiliar materials
- Cutting edge additionally induction-hardened
- Specially adapted to the needs of the construction and industry
- Asymmetrical edge, for problem-free cutting of long workpieces
- Immense cutting force through ideal lever transmission
- Over 50% power saving
- Special tool steel die-forged and oil-hardened



Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
FRONT CUTTER POWERBOLT 200 MM	200 mm	4.5 mm	3.5 mm	6 mm	1	185022

AGR: 03.200

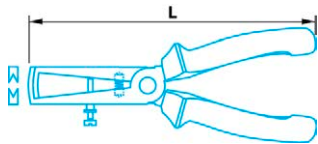
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Insulation Stripper

- Comfortable to work with due to 3-component technology with a soft grip zone

Characteristics

- With opening spring and V-shaped cutting, adjusting screw for wire up to Ø 5 mm and 10 mm<sup>2</sup>, anti-glare, matt chromed metal surface



Title	Cable Ø	Length	PU Piece	Article No.
Insulation Stripper	5 mm	160 mm	1	100538

AGR: 03.206

ergonomic multifunctional pliers

- Power joint with an ideal lever transmission
- Edge additionally induction-hardened
- For hard and soft wires
- Integrated ring spanner
- Stripping function 1,5 mm² and 2.5 mm² for single-wired and mul-ti-wired conductors
- With closing spring and opening spring
- Ergonomically angled head
- Fatigue-free working
- Tool steel die-forged, oil-hardened

Technical Data

Grip Material3 component handle



3

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
ERGOMULTI PLIER 3K	200 mm	5.9 mm	2.5 mm	13 mm	1	185023

AGR: 03.200

Pliers, tweezers, shears, bolt cutters

ergonomic combination pliers

- Power joint with an ideal lever transmission
- Edge additionally induction-hardened
- For hard and soft wires
- Integrated ring spanner
- Gripping zone for flat and round materials
- With closing spring and opening spring
- Ergonomically angled head
- Fatigue-free working
- Tool steel die-forged, oil-hardened

Technical Data

Grip Material
 3 component handle



Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
ERGOCOMBI PLIERS 3K	200 mm	5.9 mm	2.5 mm	13 mm	1	185024

AGR: 03.200

Pliers Set 3K 5 pieces

Title	PU Piece	Article No.
3K PLIERS SET 5PCS (AT)	1	100539
AGR: 03.209		
Scope Of Supply	Piece	Article No.
Heavy-Duty Combination Pliers „Combi-Max“ 180 mm	1	100534
Side Cutters with 3-Component Soft Grip 160 mm	1	100521
Insulation Stripper with 3-Component Soft Grip	1	100538
Needle Nose Pliers with 3-Component Soft Grip, Straight 205 mm	1	100529
Needle Nose Pliers with 3-Component Soft Grip, Offset 205 mm	1	100527



3

Pliers, tweezers, shears, bolt cutters

Foam Inlay with 3K Pliers and Water Pump  
Pliers MX

- Each tool, without slipping safely stored and in its place
- Missing tools are immediately noticed by a 2-layer, black-brown order system
- The insert is largely resistant to chemicals (against a large number of oils, alkalis and acids), moisture-resistant, stable and long-lasting



Title	PU Piece	Article No.
Pliers Set MX 4 pc's	1	341013
AGR: 03.209		
Scope Of Supply	Amount	Article No.
Heavy-Duty Combination Pliers „Combi-Max“ 180 mm	1	100534
Side Cutters with 3-Component Soft Grip 160 mm	1	100521
Needle Nose Pliers with 3-Component Soft Grip, Straight 205 mm	1	100529
Hard foam insert for 4pc. Pliers Set MX, empty	1	352182
Water Pump Pliers MX	1	338275

Pliers Set 3 components 4 pieces

Scope Of Delivery

- 1 x side cutter 3K 160 mm
- 1 x flat round nose pliers straight 3K 205 mm
- 1 x max. power combination pliers 3K 180 mm
- 1 x pocket deLUX "SUN"

Title	Height, External	Depth, Exterior	External Width	PU Piece	Article No.
3-K PLIERSSET 4-PCS SUN	33 mm	337 mm	228 mm	1	134336

AGR: 03.209

Scope Of Supply

	Piece	Article No.
Side Cutters with 3-Component Soft Grip 160 mm	1	100521
Heavy-Duty Combination Pliers „Combi-Max“ 180 mm	1	100534
Needle Nose Pliers with 3-Component Soft Grip, Straight 205 mm	1	100529
"Pocket deLUX "SUN" Micro USB without charger"	1	206957

Pliers Set 3K 3 pieces

Title	PU Piece	Article No.
3K PLIER SET 3 PCS	1	100542

AGR: 03.209

Scope Of Supply

	Piece	Article No.
Heavy-Duty Combination Pliers „Combi-Max“ 180 mm	1	100534
Side Cutters with 3-Component Soft Grip 160 mm	1	100521
Needle Nose Pliers with 3-Component Soft Grip, Straight 205 mm	1	100529



A A B

A A A

3



INTERNAL/Approved (2019-03-22 17:19:18)

**Safety strap for 3K pliers**

- With this guard band, 3K-pliers can be secured from fallig down or as the case may be
- With the “Spannkugel” it is also possible to secure the pliers on the wrist

**Application Area**

- For the securing of the 3K-pliers
- For working on the scaffolding, on ladders, on lifting plattforms or in staircases

Title	PU Piece	Article No.
SAFETY STRAP 3K-PLIERS	1	180937

AGR: 90.130



Hard Foam Inlet with 3C Power Pliers



3

Title	Outside dimension W x H x D	PU Piece	Article No.
Hard Foam Inlet with 3C Power Pliers	228 x 33 x 337 mm	1	366872
AGR: 03.701			
Scope Of Supply		Amount	Article No.
Heavy-Duty Combination Pliers „Combi-Max“ 180 mm		1	100534
3-Component Lever Heavy-Duty Side Cutters 180 mm		1	338076
Foam inlay for plier set Premium		1	-
Water Pump Pliers MX		1	338275

Heavy-Duty Multi Purpose Plier "CombiMax"

- Integrated ring key for sizes M8, M9, M10 or Ø 11 - 17 mm
- Smooth action through high leverage with optimum lever transmission
- Comfortable to work with due to 3-component technology with a soft grip zone
- Cutting edges are also induction hardened, can be used for hard and soft wires
- All VDE-pliers are testen on 10000 V dielectric strength and authorized with a tenfold security for 1000 V
- Ideal slip guard according to EN/IEC 60900

Application Area

- Working on voltage-carrying parts up to AC 1000 V (alternating voltage) and CD 1500 V (direct voltage), if the legal requirements and safety measures are observed

Characteristics

- Large jaw width on the cutting tool up to Ø 12 mm or 13 mm
- Glare-free, matt chromed metal surface

Hints

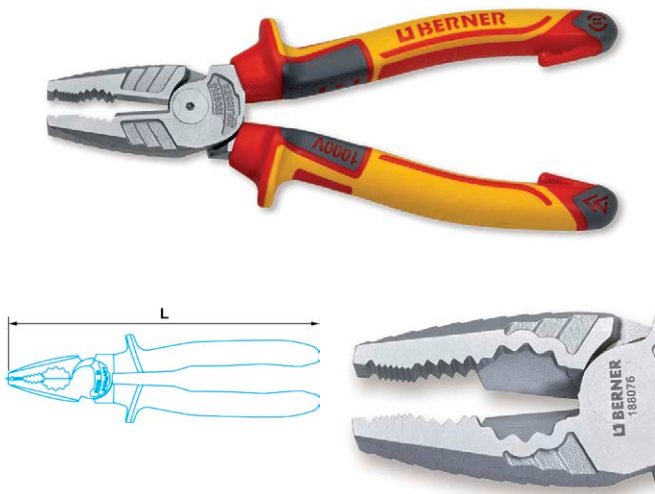
- Tested on the basis of safety testing procedures in accordance with EN 60900
- Piano wire (hardened wire) with a tensile strength of up to 2300N/mm<sup>2</sup>

Technical Data

Grip Material	3 component handle
Norms	EN 60900

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
Heavy-Duty Multi Purpose Plier 3K	165 mm	4 mm	2 mm	10 mm	1	245220
Heavy-Duty Multi Purpose Plier Combi-Max	180 mm	5.2 mm	2.2 mm	12 mm	1	188076
Heavy-Duty Multi Purpose Plier CombiMax	200 mm	5.9 mm	2.5 mm	13 mm	1	188078

AGR: 03.202



Heavy-Duty Multi-Purpose Pliers "ErgoCombi"

- Especially adapted to the requirements of professionals, the multi-purpose plier ensures comfort and efficiency with a minimum of power
- Comfortable work and protection of tendons and wrists due to ergonomic design
- Cutting edges are inductive hardened

Application Area

- Strong and versatile, like the successful heavy-duty multi-purpose plier "Combi-Max"

Characteristics

- Eccentric leverage
- With grip zone for flat and round material
- Integrated ring key (M8 - M10)
- Nail holder at the top of the plier
- Cutting edges are induction hardened, can be used for hard and soft wires (H=2,5 mm)
- 3-component grip handle 1000 V in red/yellow signal colour

Hints

- Tested on the basis of safety testing procedures in accordance with EN 60900

Technical Data

Grip Material	3 component handle
Norms	EN 60900

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
VDE-Kombizange abgewinkelt 90° 3K	200 mm	5.9 mm	2.5 mm	13 mm	1	188128

AGR: 03.202



3

INTERNAL/Approved (2019-03-22 17:19:56)

Pliers, tweezers, shears, bolt cutters

**Multi-Functional Pliers "ErgoMulti"**

- Specifically for the high demands of professional
- User tailored for ergonomic
- Pliers comfort and efficiency with low
- effort
- The ergonomic design of the pliers enables a
- fatigue-free work and simultaneously protects tendons
- and wrists of the user
- Cutting edges induction hardened



**Characteristics**

- Eccentric leverage
- With grip zone for flat and round material
- Cutting edges are induction hardened, can be used for hard and
- soft wires (H=2,5 mm)
- 3-component grip handle 1000 V in red/yellow signal colour

**Hints**

- Tested on the basis of safety testing procedures in accordance with EN 60900

**Technical Data**

Grip Material3 component handle

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
VDE-Multifunktionszange abgewinkelt 90° 3K	200 mm	5.9 mm	2.5 mm	13 mm	1	198643

AGR: 03.202

Needle Nose Pliers

- 3-component soft grip safety handle in accordance with EN 60900
- Can be used for hard and soft wires
- Cutting edges are inductive hardened

Characteristics

- With cutters and burner hole
- Toothed gripping surface
- Special drop-forged tool steel, oil hardened
- In accordance with DIN ISO 5745
- Red and yellow signal colours
- Tensile strength of up to 1800 N/mm<sup>2</sup> (wire hardness)

Hints

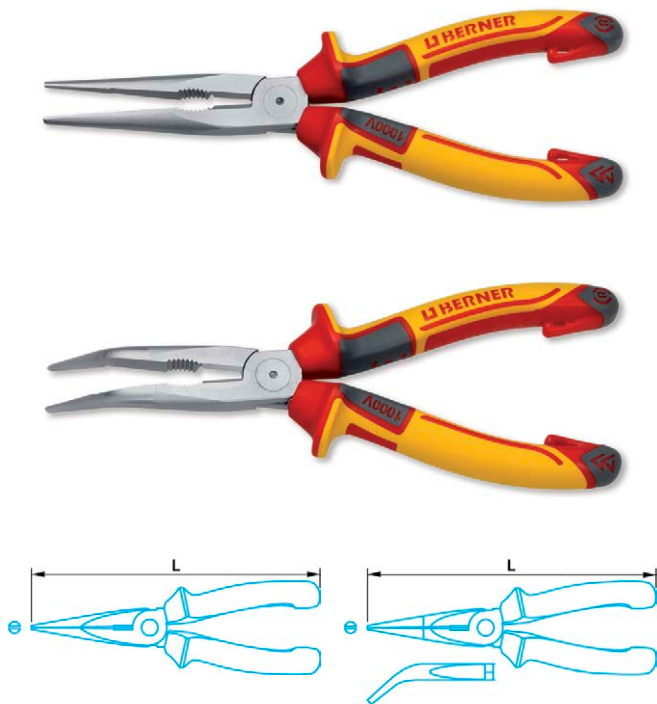
- Straight design or 45° angled
- Tested on the basis of safety testing procedures in accordance with EN 60900

Technical Data

Norms	EN 60900	EN 60900
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Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	PU Piece	Article No.
VDE-Flachrundzange 3K gerade	170 mm	2.5 mm	1.6 mm	-	1	188080
VDE-Flachrundzange 3K gerade	200 mm	3.9 mm	3.2 mm	2.2 mm	1	188082
VDE-Flachrundzange gebogen 3K	200 mm	3.9 mm	3.2 mm	2.2 mm	1	188081

AGR: 03.202



3

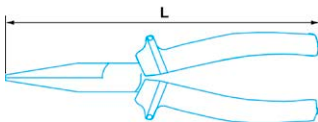
Pliers, tweezers, shears, bolt cutters

**Flat-Nosed Pliers**

- 3-component soft grip safety handle in accordance with EN 60900

**Characteristics**

- Long, narrow jaws
- Toothed grip surface
- Special drop-forged tool steel, oil hardened
- Matte chrome plated
- Red and yellow signal colours
- In accordance with DIN ISO 5745



**Hints**

- Tested on the basis of safety testing procedures in accordance with EN 60900

**Technical Data**

Grip Material	3 component handle
Norms	VDE insulation up to 1000 V

Title	Length	PU Piece	Article No.
VDE-Langbeck-Flachzange 3K	160 mm	1	188131

AGR: 03.202

Pliers, tweezers, shears, bolt cutters

Round-Nosed Pliers

- 3-component soft grip safety handle in accordance with EN 60900

Application Area

- Working on voltage-carrying parts up to AC 1000 V (alternating voltage) and CD 1500 V (direct voltage), if the legal requirements and safety measures are observed

Characteristics

- Long, round jaws
- Slip retardant, turned off precision tips
- Toothed grip surface
- Special tool steel drop-forged, oil hardened
- Red and yellow signal colours
- In accordance with DIN ISO 5746

Hints

- Tested on the basis of safety testing procedures in accordance with EN 60900

Technical Data

Grip Material 3 component handle

Title	Length	PU Piece	Article No.
VDE-Langbeck-Rundzange 3K	160 mm	1	188132

AGR: 03.202



3

INTERNAL/Approved (2019-03-22 17:20:23)

Pliers, tweezers, shears, bolt cutters

Side Cutters

- 3-component soft grip safety handle in accordance with EN 60900
- Saving in power through high leverage with optimum lever transmission
- Shaft profile prevents the cable from slipping out and reduces the needed force due to low friction resistance
- Can be used for hard and soft wires
- Cutting edges are inductive hardened

Characteristics

- Special drop-forged tool steel, oil hardened
- Matte chrome plated
- Red and yellow signal colours
- In accordance with DIN ISO 5749
- Tensile strength of up to 1800 N/mm² (wire hardness)

Hints

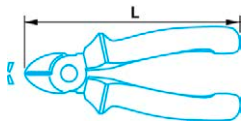
- Tested on the basis of safety testing procedures in accordance with EN 60900

Technical Data

Grip Material	3 component handle
Norms	EN 60900

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
VDE-Seitenschneider 3K	145 mm	5 mm	2.5 mm	1.7 mm	8 mm	1	188083
VDE-Seitenschneider 3K	160 mm	6 mm	3.5 mm	2 mm	11 mm	1	188084
VDE-Seitenschneider 3K	180 mm	7 mm	4 mm	2.5 mm	13 mm	1	188086

AGR: 03.200



Heavy-Duty Side Cutters

- 3-component soft grip safety handle in accordance with EN 60900
- Saving in power through high leverage with optimum lever transmission
- Can be used for medium hard, hard and piano wire
- Cutting edges are inductive hardened

Characteristics

- Special drop-forged tool steel, oil hardened
- Matte chrome plated
- Red and yellow signal colours
- In accordance with DIN ISO 5749
- Tensile strength of up to 2300 N/mm<sup>2</sup> (wire hardness)

Hints

- Tested on the basis of safety testing procedures in accordance with EN 60900

Technical Data

Grip Material	3 component handle
Norms	EN 60900

Title	Length	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	Cutting Performance Ø Piano-Wire	PU Piece	Article No.
VDE-Kraft-Seitenschneider 3K	180 mm	3.7 mm	2.6 mm	2.2 mm	1	188087
VDE-Kraft-Seitenschneider 3K	200 mm	4 mm	2.8 mm	2.5 mm	1	188133

AGR: 03.200



3

INTERNAL/Approved (2019-03-22 17:20:33)

3-K Leaver power side cutter VDE

- Soft-grip 3-component safety handle according to EN 60900
- Pleasant working with 3-component technology with soft grip zone
- Enormous cutting force at 50% power reduction thanks to optimum lever ratio
- Precision cutting additionally inductively hardened, cutting hardness approx. 62 HRC, for longer service life
- Linear sliding ratio - little cutting when cutting hard objects



Technical Data

Grip Material 3 component handle

Title	Length	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Hard Wire	Cutting Performance Ø Piano-Wire	PU Piece	Article No.
3-K Leaver power side cutter VDE	180 mm	4.0 mm	2.8 mm	2.5 mm	1	338077
3-K Leaver power side cutter VDE 200 mm	200 mm	4.5 mm	3.5 mm	3.0 mm	1	337840

AGR: 03.200

Electrician’s Side Cutter

- 3-component soft grip safety handle in accordance with EN 60900
- For stripping 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup> of insulation on single and multi-wire cable
- Saving on force through high leverage with optimum lever transmission

Application Area

- Working on voltage-carrying parts up to AC 1000 V (alternating voltage) and CD 1500 V (direct voltage), if the legal requirements and safety measures are observed

Characteristics

- Glare-free,matt chromed metal surface

Hints

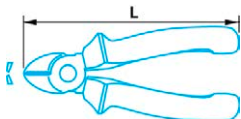
- Tested on the basis of safety testing procedures in accordance with EN 60900

Technical Data

Norms EN 60900

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Medium Hard Wire	Cutting Performance-Ø Wire	PU Piece	Article No.
VDE-Elektriker-Seitenschneider 3K	190 mm	2 mm	1 mm	4 mm	1	188089

AGR: 03.200



Pliers, tweezers, shears, bolt cutters

Cable Cutter

- 3-component soft grip safety handle in accordance with EN 60900
- Large cutting capacity of up to 70 mm<sup>2</sup> or Ø 25 mm without pinching or deforming the cable
- Cutting geometry for dual application: insulation-stripping and cutting
- Special handle position for optimised power transmission with integrated clamping protection

Application Area

- Insulation-stripping and cutting copper and aluminium cables

Hints

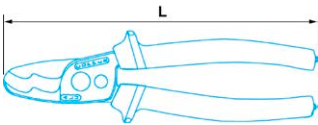
- Tested on the basis of safety testing procedures in accordance with EN 60900

Technical Data

Grip Material	3 component handle
Norms	EN 60900

Title	Length	Cutting Performance-Ø Wire	PU Piece	Article No.
VDE-Kabelschneider 3K	160 mm	16 mm	1	188100
VDE-Kabelschneider 3K	210 mm	25 mm	1	188101

AGR: 03.209



Insulation Stripper

- 3-component soft grip safety handle in accordance with EN 60900

Application Area

- Working on voltage-carrying parts up to AC 1000 V (alternating voltage) and CD 1500 V (direct voltage), if the legal requirements and safety measures are observed

Characteristics

- Opening spring and V-shaped cut,
- Setting screw to adjust the cutters to wires and cables up to Ø 5 mm or 10 mm<sup>2</sup>
- Special drop-forged tool steel, oil hardened
- Red and yellow signal colours

Hints

- Tested on the basis of safety testing procedures in accordance with EN 60900



3

Title	Length	PU Piece	Article No.
VDE-Abisolierzange 3K	160 mm	1	188102

AGR: 03.206

Multi-Functional Insulation Stripper  
"MultiCutter"

- 3-component soft grip safety handle in accordance with EN 60900
- Long precision cutting edges for cutting cables and wires
- Special formed cutters - insulation-stripping for cables of Ø 5 - 16 mm
- Professional insulation-stripping up to Ø 5 mm for single and multi-wire cables
- Cutting edges are inductive hardened

Hints

- Tested on the basis of safety testing procedures in accordance with EN 60900



Title	Length	PU Piece	Article No.
VDE-Multifunktions-Abisolierzange 3K	180 mm	1	188134

AGR: 03.200

INTERNAL/Approved (2019-03-22 17:20:54)

Pliers, tweezers, shears, bolt cutters

Multigrip Pliers

- 3-component soft grip safety handle in accordance with EN 60900
- Maximum opening position up to 40% better than DIN ISO due to curved grid adjustement for perfect grip even on big parts
- Toothed jaws diamond-formed, for grip on every part
- Stretched precision joint and clamping protection for safe working in every position
- Improved mouth geometry with self-clamping toothing ensures best gripping.
- Teeth are additionaly induction hardened
- Better handling and more space for assembly due to the ergonomic handle design

Hints

- Tested on the basis of safety testing procedures in accordance with EN 60900

Technical Data

Norms	EN 60900
Grip Material	3 component handle



Title	Length	PU Piece	Article No.
VDE-Wasserpumpenzange 3K	240 mm	1	188142
AGR: 03.200			

Pliers Set 5-pieces

Title	PU Piece	Article No.
VDE PLIERS SET 5PCS. 3K	1	188103
AGR: 03.209		
Scope Of Supply	Piece	Article No.
VDE-Flachrundzange gebogen 3K	1	188081
VDE-Seitenschneider 3K	1	188084
Heavy-Duty Multi Purpose Plier 3K 180 mm	1	188076
VDE-Flachrundzange 3K	1	188082
VDE-Abisolierzange 3K	1	188102



3

Cable Cutter VDE large

- Excellent cutting performance and low energy input due to special trained, extremely flat cutting jaws
- Adjustable scre joint
- With lever transmission and replaceable cutting jaws

Application Area

- Stripping and cutting of copper and aluminium cables
- For copper and aluminium cables

Technical Data

Grip Material	1 component handle
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Title	Length	Cutting Performance-Ø Wire	PU Piece	Article No.
CABLE CUTTER VDE 600 MM	600 mm	26 mm	1	041436

AGR: 03.209

INTERNAL/Approved (2019-03-22 17:21:05)

Electronics Pliers with a 2-Component Soft Grip

- Comfortable to work with due to their ergonomically-shaped ESD 2-component grips
- Backlash-free action on cutters with additional induction

Application Area

- For work on printed circuit boards, in telephone engineering and other electrical work

Characteristics

- Integrated spring-loaded opening action

Hints

- In order to protect electrostatic sensitive devices and to avoid malfunctions within the circuit, electronics pliers with ESD grip covers carefully discharge electrostatic energy which can arise when working on electronic components
- No protection against electrical voltage

Technical Data

Grip Material	2 component handle
Norms	DIN 5749



Title	Length	PU Piece	Article No.
Flat-Nosed Electronics Pliers	120 mm	1	001352
Side Cutters for Electronic Equipment	120 mm	1	001355

AGR: 03.200 / 03.202

Related Products

	PU Assortment	Article No.
Electronics Pliers - Set 4085/5 (5 pieces)	1	171227

INTERNAL/Approved (2019-03-22 17:21:14)

Electronic Pliers Set

- The electrostatic energy, which may arise during the work, is controllable dissipated due to the soft grip handle
- Pushed through precision joints and replaceable leaf springs for a backlash-free process
- Induction-hardened edges
- Integrated opening spring

Application Area

- For work on electrostatically endangered components and for avoiding circuit faults

Hints

- Caution! ESD-handle sleeves do not offer protection against electric voltage

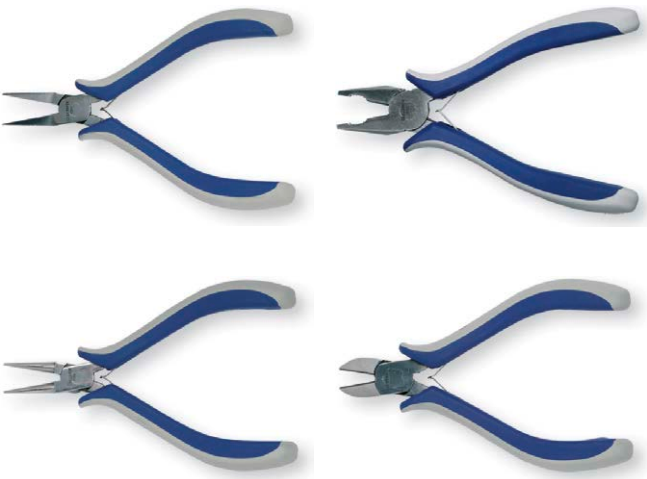
Scope Of Delivery

- 5 pliers packed into one package

Title	PU Assortment	Article No.
5-piece Set of Electronics Pliers	1	171227

AGR: 03.209

Scope Of Supply	Piece	Article No.
Round-Nosed Pliers for Electronic Equipment 120 mm	1	-
Side Cutters for Electronic Equipment 120 mm	1	001355
Flat-Nosed Electronics Pliers 120 mm	1	001352
Long-Nosed Pliers for Electronic Equipment 120 mm	1	-
Multi-Purpose Electronics Pliers 120 mm	1	-



INTERNAL/Approved (2019-03-22 17:21:19)

Pliers, tweezers, shears, bolt cutters

Pincers

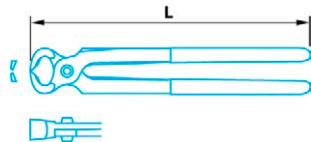
- Titanium finish through a PTFE (teflon) plastic coating

Characteristics

- Non-slip, dip-insulated handles

Technical Data

Norms	DIN ISO 9243
Grip Material	1 component handle



Title	Length	Length (Inch)	PU Piece	Article No.
Pincers,Titanium Finish, Dip-Insulated	200 mm	8 1/4 "	1	001346
Pincers,Titanium Finish, Dip-Insulated	250 mm	10 "	1	001347

AGR: 03.201

End Cutters

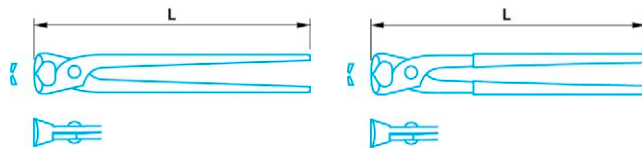
- Additional induction hardening of the cutters
- Titanium finish through a PTFE (teflon) plastic coating

Characteristics

- Non-slip, dip-insulated handles

Technical Data

Norms	DIN ISO 9242
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Title	Length	Length (Inch)	PU Piece	Article No.
Mechanic's Nippers/Cutters, Tit. Finish	220 mm	8 3/4 "	1	001337

AGR: 03.201

INTERNAL/Approved (2019-03-22 17:21:25)

Cutting Pliers

- Outwards placed, curved edges for problematic areas
- Edges additionally induction-hardened
- Maximum power transmission due to high transmission joint
- Ideal bending strength
- Pliers joint elliptically formed for guaranteeing the best possible application
- Titanfinish trough PTFE-plastic coating

Application Area

- For binding of reinforced steel
- For twisting and cutting of binding wire

Characteristics

- Non-slip, dip-insulated handles

Technical Data

Norms	DIN ISO 9242
Grip Material	1 component handle

Title	Length	Length (Inch)	PU Piece	Article No.
TOWERPINCERS STRONG 230 SW	230 mm	9 "	1	044627
TOWERPINCERS STRONG 260 SW	260 mm	-	1	044629
TOWERPINCERS STRONG 300 SW	300 mm	-	1	044630

AGR: 03.201



Straight Circlip Pliers, for Internal Circlips

- Non-slip, angled precision tips
- Stable, drop-forged design

Application Area

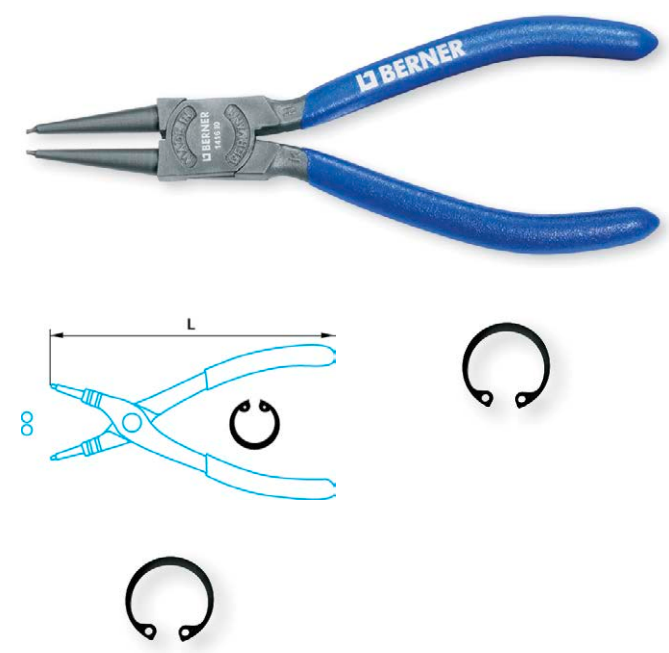
- For circlips in accordance with DIN 472

Characteristics

- Non-slip, dip-insulated handles, designed under DIN 5254A

Technical Data

Norms	Circlip pliers with straight jaws for inside rings
Grip Material	1 component handle



Title	Retaining ring-Ø	Length	PU Piece	Article No.
Internal Circlip Pliers	8 - 13 mm	135 mm	1	001416
Internal Circlip Pliers	12 - 25 mm	135 mm	1	001417
Internal Circlip Pliers	19 - 60 mm	175 mm	1	001418
Internal Circlip Pliers	40 - 100 mm	220 mm	1	001420
Internal Circlip Pliers	85 - 140 mm	310 mm	1	001421

AGR: 03.205

90° Angled Circlip Pliers, for Internal Circlips

- Non-slip, angled precision tips
- Stable, drop-forged design

Application Area

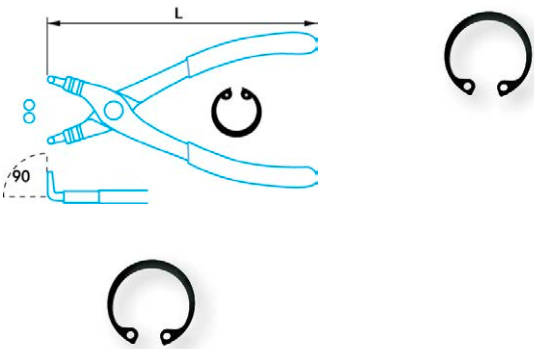
- For circlips in accordance with DIN 472

Characteristics

- Non-slip, dip-insulated handles, designed under DIN 5254B

Technical Data

Norms	Circlip pliers with angled jaws for inside rings
Grip Material	1 component handle



Title	Retaining ring-Ø	Length	PU Piece	Article No.
Angled Circlip Pliers, Internal	8 - 13 mm	125 mm	1	001423
Angled Circlip Pliers, Internal	12 - 25 mm	125 mm	1	001424
Angled Circlip Pliers, Internal	19 - 60 mm	165 mm	1	001425
Angled Circlip Pliers, Internal	40 - 100 mm	200 mm	1	001426
Angled Circlip Pliers, Internal	85 - 140 mm	290 mm	1	001427

AGR: 03.205

Pliers, tweezers, shears, bolt cutters

Straight Circlip Pliers, for External Circlips

- Non-slip, angled precision tips
- Stable, drop-forged design

Application Area

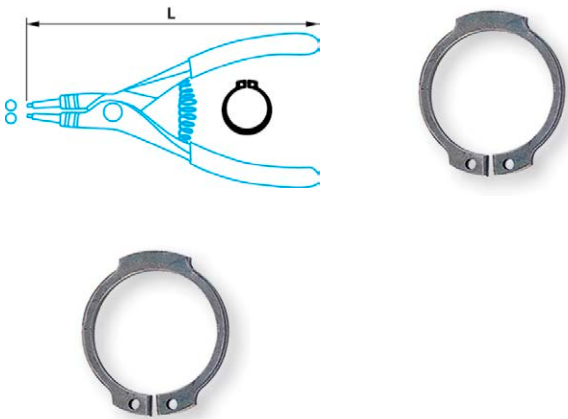
- For circlips in accordance with DIN 471

Characteristics

- With an integrated spring-loaded opening action, non-slip, dip-insulated handles, designed under DIN 5254A

Technical Data

Norms	Circlip pliers with straight jaws for outside rings
Grip Material	1 component handle



Title	Retaining ring-Ø	Length	PU Piece	Article No.
External Circlip Plier	3 - 10 mm	135 mm	1	001404
External Circlip Plier	10 - 25 mm	135 mm	1	001405
External Circlip Plier	19 - 60 mm	175 mm	1	001407
External Circlip Plier	40 - 100 mm	220 mm	1	001408
External Circlip Plier	85 - 140 mm	310 mm	1	001409

AGR: 03.205

INTERNAL/Approved (2019-03-22 17:21:52)

90° Angled Circlip Pliers, for External Circlips

- Non-slip, angled precision tips
- Stable, drop-forged design

Application Area

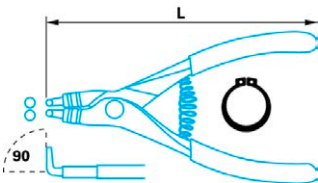
- For circlips in accordance with DIN 471

Characteristics

- With an integrated spring-loaded opening action, non-slip, dip-insulated handles, designed under DIN 5254B

Technical Data

Norms	Circlip pliers with angled jaws for outside rings
Grip Material	1 component handle



3

Title	Retaining ring-Ø	Length	PU Piece	Article No.
Angled Circlip Plier, External	3 - 10 mm	125 mm	1	001410
Angled Circlip Plier, External	10 - 25 mm	125 mm	1	001411
Angled Circlip Plier, External	19 - 60 mm	165 mm	1	001412
Angled Circlip Plier, External	40 - 100 mm	200 mm	1	001413
Angled Circlip Plier, External	85 - 140 mm	290 mm	1	001415

AGR: 03.205

INTERNAL/Approved (2019-03-22 17:21:56)

Commercial vehicles Pliers Set

Scope Of Delivery

- Depending on a retaining ring pliers with straight tips for inner and outer collet
- 6 pairs of angled tips Ø 2.75 mm and 3.0 mm, 0 °, 45 ° and 90 °

Title	PU Piece	Article No.
GOODS VEH-CIRCL. PLIERS SET AGR: 03.209	1	174414



30° Angled Circlip Pliers, for External Circlips

Application Area

- For hard to reach or deep, large rings on drive shafts and joint axes

Technical Data

Grip Material	1 component handle
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Title	Length	PU Piece	Article No.
Offset Circlip Pliers, External AGR: 03.413	200 mm	1	118743

Fittings plier

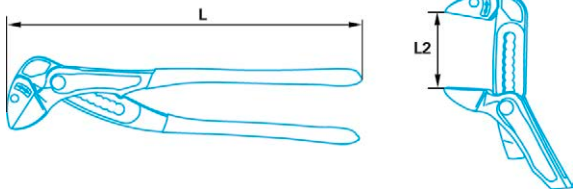
- Safe work due to integrated clamping protection in every position
- Ideal press force through movable, parallel gripping jaws

Characteristics

- Universal fittings wrench for tightening and loosening screw-connections by ratchet action
- Useable for tile breaking
- Parallel gripping and swivel jaw in every position
- Patented curved adjustment
- Quick precise adjustment and release by pressing the button

Technical Data

Norms	DIN 5231-E
Grip Material	1 component handle



Title	Length	Clamping range	PU Piece	Article No.
Dip-Insulated Fittings Pliers	250 mm	0 - 53 mm	1	001403

AGR: 03.209

**Corner-Work Pipe Wrench 45° "Super S"**

- Double T -profile handle is ideal for clamping a wide range materials, including in situations where space is restricted
- Self-clamping, secure, fixed grip on pipes thanks to 3 point tension
- Non-slip due to induction-hardened teeth which are offset against the direction of rotation
- Safe to work with thanks to the integrated finger protection



**Characteristics**

- Slimline, S-shaped jaw with narrow cheeks, angled at 45° with favourable corner dimensions, captive, hardened adjusting nut, adjustable thread guide

Title	Length	External-Ø Up To Inch	PU Piece	Article No.
Corner-Work Pipe Wrench	265 mm	1/2 "	1	000503
Corner-Work Pipe Wrench	315 mm	1 "	1	053548
Corner-Work Pipe Wrench	420 mm	1 1/2 "	1	053549
Corner-Work Pipe Wrench	530 mm	2 "	1	053550
Corner-Work Pipe Wrench	680 mm	3 "	1	053551

AGR: 03.204

Water Pump Pliers MX

- Push button adjustment for quick and precise locking
- Clamp protection on the handle for safe working and avoiding crushing injuries
- New CurveGripp adjustment with fine toothed teeth for fast and safe adaptation to the workpiece to be gripped
- Gripping jaws double-toothed, teeth additionally inductively hardened, for better grip and a long service life
- Gripping capacity 40% over DIN ISO through arc-shaped grid adjustment
- Made in Germany
- Dive-proof handle for secure grip



3

Technical Data

Norms	DIN ISO 8976
Grip Material	1 component handle

Title	Length	Clamping range	External-Ø Up To Inch	Jaw Depth	Clamping Jaw Width	PU Piece	Article No.
Water Pump Pliers MX	180 mm	0 - 35 mm	1 3/8 "	31 mm	6.5 mm	1	366861
Water Pump Pliers MX	250 mm	0 - 50 mm	2 "	35 mm	7 mm	1/2	338275
Water Pump Pliers MX	300 mm	0 - 75 mm	3 "	45 mm	8.7 mm	1	366862
Water Pump Pliers MX 400	400 mm	0 - 100 mm	4 "	65 mm	12 mm	1	366863

AGR: 03.203

Related Products

	PU Piece	Article No.
Water Pump Pliers MX 180+250	1	366868
Water Pump Pliers MX 180+250+300	1	366869
Water Pump Pliers MX 250+300	1	368290

Water Pump Pliers MX Set

Title	PU Piece	Article No.
Water Pump Pliers MX 180+250	1	366868
Water Pump Pliers MX 180+250+300	1	366869
Water Pump Pliers MX 250+300	1	368290

AGR: 03.203 / 03.209



INTERNAL/Approved (2019-03-22 17:22:19)

Pliers, tweezers, shears, bolt cutters

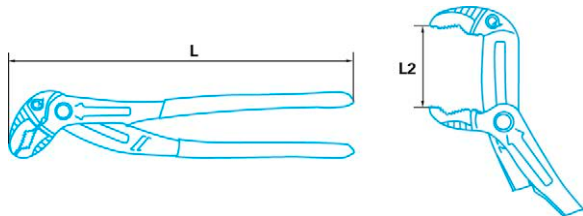
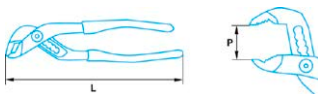
Water pump pliers "Quattro-Gripp"

- Quick precise adjustment and release to any work piece saves time
- 4-tooth technology of the pushbutton gurantees secure hold on the new interlocking system
- Inserted safety joint
- Maximum spanner size (40% more than DIN ISO)
- Safety protection of fingers in every position
- Chrome-vanadium steel, drop-forged for greatest strain



Technical Data

Grip Material 1 component handle



Title	Length	Clamping range	External-Ø Up To Inch	PU Piece	Article No.
WATER.PLIER QUATTRO-GRIP 400	400 mm	0 - 100 mm	4 "	1	082128

AGR: 03.203

3-C Water Pump Pliers MX 250

- Push button adjustment for quick and precise locking
- Clamp protection on the handle for safe working and avoiding crushing injuries
- New CurveGripp adjustment with fine toothed teeth for fast and safe adaptation to the workpiece to be gripped
- Gripping jaws double-toothed, teeth additionally inductively hardened, for better grip and a long service life
- Gripping capacity 40% over DIN ISO through arc-shaped grid adjustment
- Made in Germany
- Comfortable to work with due to 3-component technology with a soft grip zone
- According to DIN ISO 8976



3

Technical Data

Norms	DIN ISO 8976
Grip Material	3 component handle

Title	Length	Clamping range	External-Ø Up To Inch	Jaw Depth	PU Piece	Article No.
3-C Water Pump Pliers MX 250	250 mm	0 - 50 mm	2 "	35 mm	1	366864

AGR: 03.203

INTERNAL/Approved (2019-03-22 17:22:31)

Water Pump Pliers Classic

- Opening up to 35% over the previous model and 40% above DIN ISO by curvilinear grid position
- Mouth with serrated diamond shape, packed all workpieces
- Precision box joint and terminal protection for safe operation in any position
- Improved jaw geometry with self-clamping teeth for secure grip. Gripping teeth additionally induction hardened
- Ergonomic handle design for better handling and more clearance when screwdriving
- According to DIN ISO 8976 with box joint, drop-forged chrome vanadium steel, oil hardened, 10-way adjustable (10 "and 12"), laterally stable, highly durable, long slender pliers head with excellent overall size



Technical Data

Norms	DIN ISO 8976
Grip Material	steel

Title	Length	Clamping range	External-Ø Up To Inch	Jaw Depth	Clamping Jaw Width	PU Piece	Article No.
Water Pump Pliers Classic	180 mm	0 - 42 mm	1 3/8 "	31 mm	-	1	366857
Water Pump Pliers Classic	240 mm	0 - 50 mm	2 "	35 mm	7 mm	1	366858
Water Pump Pliers Classic	300 mm	0 - 65 mm	2 9/16 "	45 mm	-	1	366859
Water Pump Pliers Classic	400 mm	0 - 100 mm	3 27/32 "	65 mm	-	1	366860

AGR: 03.203

Related Products

	PU Piece	Article No.
Water Pump Pliers Classic 180+240	1	366866
Water Pump Pliers Classic 180+240+300	1	366867

INTERNAL/Approved (2019-03-22 17:22:40)

Water Pump Pliers Classic Set

- Opening up to 35% over the previous model and 40% above DIN ISO by curvilinear grid position
- Mouth with serrated diamond shape, packed all workpieces
- Precision box joint and terminal protection for safe operation in any position
- Improved jaw geometry with self-clamping teeth for secure grip. Gripping teeth additionally induction hardened
- Ergonomic handle design for better handling and more clearance when screwdriving
- According to DIN 5231 D with box joint, drop-forged chrome vanadium steel, oil hardened, 10-way adjustable (10 “and 12”), laterally stable, highly durable, long slender pliers head with excellent overall size



3

Title	PU Piece	Article No.
Water Pump Pliers Classic 180+240+300	1	366867
Water Pump Pliers Classic 180+240	1	366866

AGR: 03.209

Connector Pliers Kit

- Power-saving handling due to a special
  - toggle lever transmission

Application Area

- For a trustworthy DIN-according grouting of uninsulated connectors of 0.25 - 6 mm<sup>2</sup> and for the insulation of connectors of 0.5 - 6 mm<sup>2</sup>
- Crimp insert for ferrules, cable lugs and heatshrink connectors are also available, see table available accessories

Characteristics

- Out of high-strenght special steel, special compensation for particularly stressed parts, burnished surface
- Ergonomically optimally shaped soft-handles with a slip guard, therfore good power transmission, operating force extremely low

Hints

- The following application sets are available as deliverable accessories:  
softreturn/>article number 098461 application set AE for ferrules  
article number 098462 application set cable lug for cable lugs  
article number 098463 application set shrink for heat-shrink connectors  
article number 129579 application set contact pin
- The skinning tool CU article number 098453 is applicable with the following connector pliers:  
article number 098455connector pliers ISO  
article number 098456 connector pliers UNISO  
article number 098457 crimping pliers



Title	PU Piece	Article No.
CONN.PLIER KIT CT 0,5-6MM	1	098459
AGR: 03.208		
Scope Of Supply	Piece	Article No.
(732223_11_1_AT01_BasiszangeCT)	1	-
REPL.JAWS ISO CT 0,5-6MM	1	098465
REPL.JAWS UNISO CT 0,25-6MM	1	098464

Pliers, tweezers, shears, bolt cutters

Accessories Available

	PU Piece	Article No.
REPL.JAWS SET AE 0,14-10MM	1	098461
REPL.JAWS SET CS 0,1-10MM	1	098462
REPL.JAWS SET 0,35-6MM	1	098463
REPL.JAWS CONTACT PIN 1-6MM	1	129579
UNISOLATETOOL CU	1	098453

Cable Stripper Tool

- The application of the cable stripper tool into the listed connector pliers ensures the
  - crimping and grouting of the sleeve as well as the cutting and skinning of cables with pliers

Application Area

- The cable stripper tool is applicable to the following pliers:
  - article number 098459 connector pliers kit CT
  - article number 098455 connector pliers ISO
  - article numbe 098456 connector pliers UNISO
  - article numbe 098457 crimping pliers



Title	PU Piece	Article No.
UNISOLATETOOL CU	1	098453

AGR: 03.208

INTERNAL/Approved (2019-03-22 17:22:51)

Pliers, tweezers, shears, bolt cutters

Crimping plier

- Two applications with one pliers - 1 x crimping of connectors and 1 x skinning of cables
- Universally applicable due to the possibility of working on different cable cross sections and different connectors
- Skinning of cables from 0,75 mm<sup>2</sup> - 6 mm<sup>2</sup>
- Clear allocation of the insulated connectors due to color marking
- Processing of uninsulated connectors of
  - 0,5 mm<sup>2</sup> - 6 mm<sup>2</sup>



Application Area

- For insulated and uninsulated connectors

Title	PU Piece	Article No.
UNIVERSAL CRIMPING PLIER	1	201222
AGR: 03.208		

Connector Pliers iso

- Premium pliers connector out of high-strenght special steel, special compensation for particularly stressed parts, burnished surface
- Ergonomically optimally shaped soft-handles with
  - slip guard, good power transmission, operating force extremely low
- Power-saving handling due to a special
  - toggle lever transmission
- Integrated, unlockable restraint lock ensures complete
  - crimping

Application Area

- For insulated connectors of 0.5 - 6 mm<sup>2</sup>

Hints

- The skinning tool CU article number 098453 is applicable in the following connector pliers:  
In the basis pliers with article number 098459 connector pliers kit CT  
article number 098456 connector pliers UNISO  
article nubmer 098457 crimping pliers



Title	PU Piece	Article No.
CONN.PLIER ISO 0,5-6MM	1	098455
AGR: 03.208		
Accessories Available	PU Piece	Article No.
UNISOLATETOOL CU	1	098453

INTERNAL/Approved (2019-03-22 17:23:04)

Pliers, tweezers, shears, bolt cutters

Cable Connector Pliers 601

- Detachable though the catch setting, preventing errors during crimping
- Colour markings to enable connectors to be clearly assigned
- Wide handle for best possible transmission of power

Application Area

- For insulated connectors

Technical Data

Grip Material	1 component handle
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Title	Length	PU Piece	Article No.
Cable Connector Pliers 601	220 mm	1	187739
AGR: 03.208			
Spare Parts		PU Piece	Article No.
Spare Jaws Set 601-1		1	113339

Connector Pliers uniso

- Premium pliers connector out of high-strenght special steel, special compensation for particularly stressed parts, burnished surface

Application Area

- For uninsulated connectors of 0.25 - 6 mm<sup>2</sup>

Hints

- The skinning tool CU article number 0984553 is applicable with the following pliers connector:  
In the basis pliers of the article number 098459 pliers connector kit CT  
article number 098457 crimping pliers  
article number 098455 connector pliers ISO



Title	PU Piece	Article No.
CONN.PLIER UNISO 0,25-6MM	1	098456
AGR: 03.208		
Accessories Available	PU Piece	Article No.
UNISOLATETOOL CU	1	098453

INTERNAL/Approved (2019-03-22 17:23:17)

Pliers, tweezers, shears, bolt cutters

**Cable Connector Pliers 602**

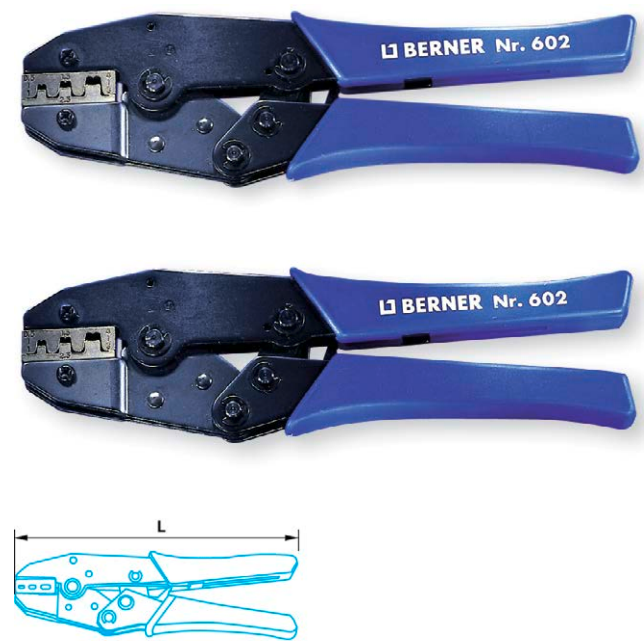
- Solved by the grid setting, thus no error during crimping
- Wide handle for optimum power transfer
- Crimp ranges from 0.5 - 1.0
- 1.5 - 2.5 and 4.0 - 6.0

**Application Area**

- For uninsulated connectors

**Technical Data**

Grip Material	1 component handle
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Title	Length	PU Piece	Article No.
Cable Connector Pliers 602	230 mm	1	724351
AGR: 03.208			
Spare Parts		PU Piece	Article No.
Spare Jaws Set 602-1		1	113338

Wire end gun

- Stepless frontal processing of ferrules with and withough an insu-  
lation collor of 0.25 up to 6 mm<sup>2</sup>
- Square-grouting with four synchronously driven crimp dies
- Easy handling due to the automatical setting of the cross-section  
area
- Ergonomical optimal pistol shape
- Unlockable restrain lock for a trustworthy grouting according to  
DIN

Application Area

- Square-crimp-grouting for ferrules with and without an insulating  
collar of 0.25 up to 6 mm2 according to DIN 46228



3

Title	PU Piece	Article No.
WIRE END PISTOL 0,25-6MM	1	098458

AGR: 03.208

INTERNAL/Approved (2019-03-22 17:23:29)

**Crimp Pliers AE 2 / AE 4**

- Thanks to the integrated locking mechanism, crimping can be safely carried out
- Pressing tips need not be changed
- pliers are compatible with all types of wire-end sleeves

**Application Area**

- For wire-end sleeves in accordance with DIN 46228
- AE 2 additionally can be used for 0,5 - 2,5 mm<sup>2</sup> double wire-end sleeves
- AE 4 additionally can be used for 4 - 6 mm<sup>2</sup> double wire-end sleeves
- AE 5 can be used in addition to double-ferrules of 10 mm<sup>2</sup> and 16 mm<sup>2</sup>



Title	Application area isolated / unisolated wire end ferrules	PU Piece	Article No.
Crimp Pliers for Ferrule	0.14 - 6 mm <sup>2</sup>	1	138672
Crimp Pliers for Ferrule	10 - 16 mm <sup>2</sup>	1	138669

AGR: 03.208

Crimping Tool Wire End Hexagonal

Application Area

- The pliers ensure a precise hexagonal crimp of the ferrule with and without an insulating collar with a cross-section area of 0.08 - 16 mm<sup>2</sup>

Characteristics

- Cross-section adaption of 0.08 up to 16.0 mm<sup>2</sup> without adjustment
- Low manual force - 30 % lower then the previously known tools
- Even hexagonal precision-crimp through the entire sleeve length
- Unlockable restrain lock for securing of the crimping operation
- Small gripping distance
- Completely manufactured out of high strength special steel, especially strained parts are being specially compensated
- Tilting positioner for a safe positioning of smaller cross sections
- Tool suitable for left-handers
- Ergonomical build soft-handle with a spil guard



3

Title	PU Piece	Article No.
Crimping Tool Wire End Hexagonal	1	251481
AGR: 03.208		

Cable Connector Pliers 153

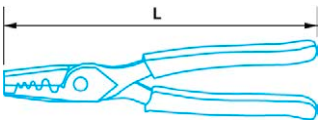
- Enables wire-end connector sleeves of different diameters to be crimped

Application Area

- For wire-end connector sleeves

Technical Data

Grip Material	1 component handle
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Title	Application area isolated / unisolated wire end ferrules	Length	PU Piece	Article No.
Connector Pliers 153	0.5 - 16 mm <sup>2</sup>	190 mm	1	001397
AGR: 03.208				

INTERNAL/Approved (2019-03-22 17:23:44)

Pliers, tweezers, shears, bolt cutters

Cable Shoe Plier

- Out of high-strenght special steel, special compensation for particularly stressed parts, burnished surface
- Ergonomically optimally shaped soft-handles with
  - slip guard
- Integrated, unlockable restraint lock ensures complete
  - crimping
- Power-saving handling due to a special
  - toggle lever transmission

Application Area

- For cable shoes from 0.1 - 16 mm<sup>2</sup>

Hints

- The skinning tool CU article number 098452 is attachable to the following connector pliers:  
In the basis pliers with article number 098459 connector pliers kit CT  
article number 098456 connector pliers UNISO  
article number 098455 connector pliers ISO



Title	PU Piece	Article No.
CABLE SHOE PLIER 0,1-16MM	1	098457
AGR: 03.208		
Accessories Available	PU Piece	Article No.
UNISOLATETOOL CU	1	098453

Crimping Pliers for Cable Conduit

- Cross sections are adjusted by means of integrated rotating profile discs
- The cross-section design, laterally on the profile discs and the hexagonal cross-section specification allow the inserts to be chosen (control over the cable conduit)
- The press inserts are locked by means of a spring-loaded bolt and thus guarantee crimping at equal pressures
- Steel-coated cutting head
- Low expenditure of force due to lever transmission
- Low weight



3

Application Area

- Used for hex pressure crimping of cable conduits and connectors

Characteristics

- Mechanical press pliers for hex pressure crimping of cable lugs and connectors

Title	Application area isolated / unisolated wire end ferrules	Length	PU Piece	Article No.
Crimping Pliers for Cable Lugs	25 - 150 mm²	650 mm	1	051245

AGR: 03.208

Crimping Pliers Prem. HEX

- Hexagonal crimping
- Synchronised die selection when in the open position
- One-hand operated synchronized profile discs, adjustment in open condition
- Cross-section display on marked adjusting wheel
- For compacted conductors to DIN EN 60228
- Precisely synchronised head plate position for optimum and consistent crimp results
- Modern, rigid and lightweight elliptical handle tubes
- Ergonomic 2-component handle with two-sided slip guard
- Smooth-running, durable and effortless tool mechanism
- Service-friendly design for simple die change
- Made in Germany

Application Area

- For hexagonal pressing of tubular cable lugs and butt connectors

Technical Data

Grip Material2 component handle

Title	Application area isolated / unisolated wire end ferrules	Length	PU Piece	Article No.
Prem. Crimping Pliers HEX	6 - 50 mm²	390 mm	1	344245

AGR: 03.208



Cable bundle tie pliers blue

- Professionele kabelbundelband spantang met automatisch
- band afsnijmechanisme
- Snel en eenvoudig spannen en afsnijden van kabelbundel
- banden in èèn handeling
- Spankracht traploos instelbaar met draaiknop, voorzien van
- indicator
- Makkelijke een hand bediening, ook op moeilijk bereikbare
- plaatsen
- Gietmetalen greep, mechanisme in staal uitgevoerd
- Geschikt voor kunststof kabelbundelbanden breedte 2,4 mm
- tot 6,35 mm

Title	Color	PU Piece	Article No.
Cable bundle tie pliers blue	Blue	1	209205

AGR: 12.226



3

CLAMPINGTOOL F. WIDE CABLE TIE



Title	PU Piece	Article No.
CLAMPINGTOOL F. WIDE CABLE TIE	1	339343

AGR: 12.226

INTERNAL/Approved (2019-03-22 17:24:09)

CLAMPINGTOOL F. A2 CALBLE TIE



3

Title	PU Piece	Article No.
CLAMPINGTOOL F. A2 CALBLE TIE AGR: 12.226	1	339344

Stripping Tool 0,03 - 16

- Automatic setting of all cross-segctional areas from 0.03 mm<sup>2</sup> up to 16mm<sup>2</sup>
- Longitudinal positioner for adjustable stripping lengths of 3.0 mm up to 21 mm
- With a precise cutter function and integrated hand protection
- Powerplus-adjustment possibility for different insulation thicknesses
- High stability due to a glass fibre reinforced polyamide
- Fatigue-free work due to an ergonomical shape
- Stripping blades are fast and tool-free interchangeable

Application Area

- Skinning and cutting of fine-stranded, multipolar and massive conductors with a PVC insulation of 0.03 mm<sup>2</sup> up to 16 mm<sup>2</sup>



3

Title	Adjustable length stop	Length	PU Piece	Article No.
Stripping Tool 0,03 -16	3 - 21 mm	202 mm	1	251482

AGR: 03.206

Pliers, tweezers, shears, bolt cutters

**Insulation Stripper Super 5**

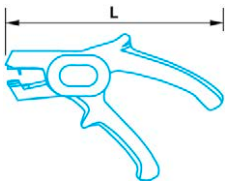
- Automatic insulation stripping without pre-adjustment
- Integrated side cutters
- Effortless work thanks to ergonomic design
- Grip-locking for transport safety

**Application Area**

- Flexible and solid conductors from 0.2 to 6.0 mm<sup>2</sup>

**Processing Information**

- Can trim wires and conductors up to Ø 2 mm<sup>2</sup>



INTERNAL/Approved (2019-03-22 17:24:37)

Title	Cable cross section	Adjustable length stop	Length	PU Piece	Article No.
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Insulation Stripper Tool 400

- Universal stripping tool for round-section, longitudinal section, stripping and cutting
- For circular and longitudinal cutting and flush stripping in inaccessible places, e.g. Ceiling and wall areas, junction and distribution boxes, switch cabinets etc.
- The integrated side cutter is opened via a safety interlock

Application Area

- Stripping - all common round cables from 8.0 to 13 mm Ø (e.g. NYM 3.0 x 1.5 mm<sup>2</sup> to 5.0 x 2.5 mm<sup>2</sup>)
- Stripping - Flexible and solid conductors with 0.5 mm<sup>2</sup>, 0.75 mm<sup>2</sup>, 1.5 mm<sup>2</sup>, 2.5 mm<sup>2</sup>, 4.0 mm<sup>2</sup> and 6.0 mm<sup>2</sup> cross-section
- Cutting - Head up to 6.0 mm<sup>2</sup> (4.0 mm<sup>2</sup> solid conductors up)



Title	Cable cross section	Cable Ø	Cutting Performance-Ø Wire	Length	PU Piece	Article No.
Insulation Stripper Tool 400	0.5 - 6 mm <sup>2</sup>	8 - 13 mm	6 mm	150 mm	1	170510

AGR: 03.206

Dismantling Knife 4-28H

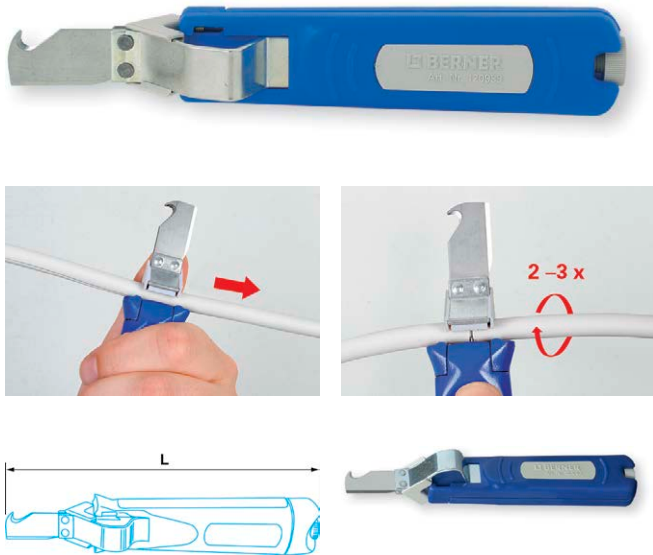
- Accurate, fast and safe stripping of all common round cables of 4 - 28 mm Ø
- Infinitely variable cutting depth, therefore work without damaging the inner conductor possible
- Removable plastic reducer made of highly wear-resistant plastic (POM)

Application Area

- Round cables of 4 - 28 mm Ø

Scope Of Delivery

- Spare hooked blade in the handle shell



Title	Length	PU Piece	Article No.
Dismantling Knife 4-28H	170 mm	1	120939

AGR: 03.206

INTERNAL/Approved (2019-03-22 17:24:41)

Pliers, tweezers, shears, bolt cutters

**In Plug Stripper**

- No adjustment of the cut depth

**Application Area**

- Flush stripping even on difficult to access areas possible, like for example ceiling boxes, wall boxes, junction boxes, distribution boxes, control cabinets and so on
- For round cables and moisture proof cables (for example 3 x 1.5 mm<sup>2</sup> up to 2.5 mm<sup>2</sup>)



Title	Cable Ø	Length	PU Piece	Article No.
IN-PL-STRIPPER NO.13	8 - 13 mm	125 mm	1	814091

AGR: 03.206

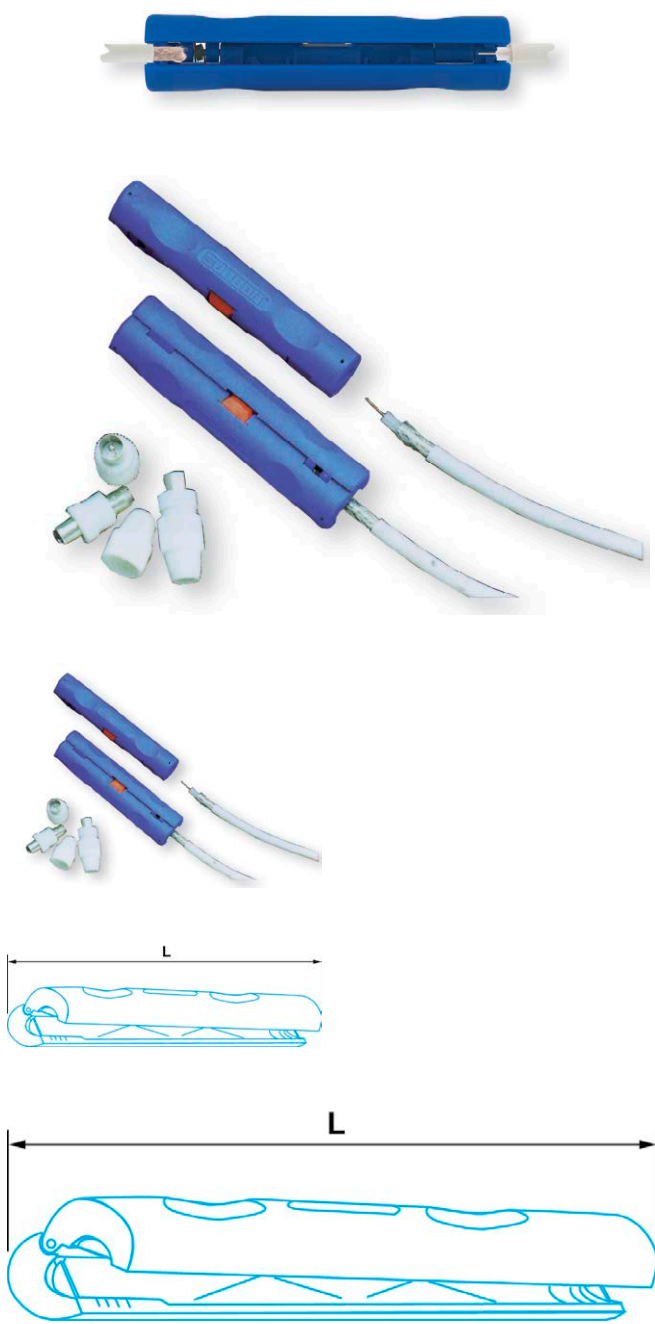
Stripping plier Coaxial Nr.2

Application Area

- Step by step stripping of all common coaxial cabels like e.g. antenna cable and transmission cable
- As well as for flexible cables like 3 x 0.75 mm<sup>2</sup>, 10 mm<sup>2</sup> and 16 mm<sup>2</sup>

Characteristics

- Two- or three-level stripping of all common coaxial cables (e.g. antenna and transmission cables) of 4,8 to 7,5mm outer Ø.
- Also strips flexible cables such as 3x0,75mm<sup>2</sup>, 10mm<sup>2</sup> and 16mm<sup>2</sup>.
- Needs no adjustment of the cutting depth.



3

Title	Cable Ø	Length	PU Piece	Article No.
Stripping plier Coaxial Nr.2	4.8 - 7.5 mm	110 mm	1	800740

AGR: 03.206

INTERNAL/Approved (2019-03-22 17:25:03)

Cable Cutter



3

Title		PU Piece	Article No.
CABLE KNIFE 486001		1	103384
AGR: 03.300			

Cable pulling strip nylon 4 mm blue

- Highly flexible strip

Application Area

- Ideally suitable for short cable lenth

Characteristics

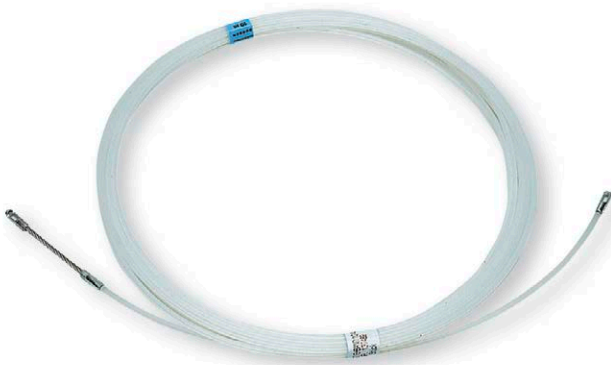
- Pulling strip made of polyamide suitable for a high degree of thrust stability and a straight resetting oft the strip after the bending, mith eyelet and suchfeder (10 cm) very flexible for high pace and effortless gliding of the empty conduit network

Hints

- Fix pressed endpieces at the strips with a spring guide button and a pulling eye

Technical Data

Material	Polyamide (Nylon)
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3

Title	Ø	Length	PU Piece	Article No.
CABLE PULL TAPE/NYLON L5/4	4 mm	5 m	1	151177
CABLE-PULL TAPE 10/4	4 mm	10 m	1	137489
CABLE PULL TAPE / NYLON 15 M	4 mm	15 m	1	133785
CABLE-PULL-IN TAPE 20/4	4 mm	20 m	1	122799

AGR: 12.992

INTERNAL/Approved (2019-03-22 17:25:17)

Pliers, tweezers, shears, bolt cutters

Farrier’s Pincers

Characteristics

- Made from tool steel, drop-forged and oil-hardened



Title	Length	PU Piece	Article No.
Farrier’s Pincers	300 mm	1	298972

AGR: 03.201

Plumbing Round Pliers

Characteristics

- Drop forged steel
- burnished
- Lay-on joint
- Non-twistable
- Implementation SPT



Technical Data

Grip Material	1 component handle
---------------	--------------------

Title	Length	Length (Inch)	PU Piece	Article No.
281501 PLUMBING ROUND PLIERS	240 mm	9 1/2 "	1	388580

AGR: 03.202

INTERNAL/Approved (2019-03-22 17:25:23)

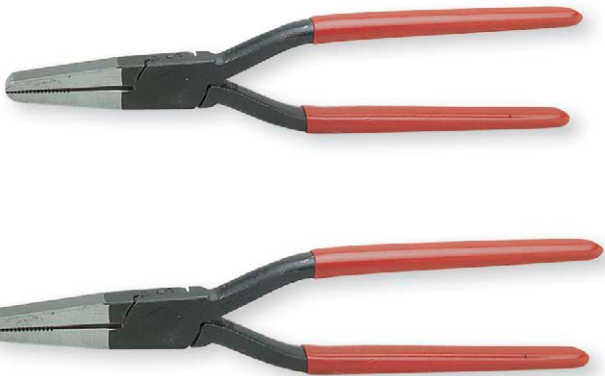
Plumbing Pliers

Characteristics

- Drop forged steel
- burnished
- Lay-on joint
- Non-twistable
- Implementation SPT

Technical Data

Grip Material1 component handle



3

Title	Length	Length (Inch)	PU Piece	Article No.
280501 PLUMBING PLIERS	240 mm	9 1/2 "	1	388572

AGR: 03.202

Tinner Rabbet Pliers

Characteristics

- Drop forged steel
- burnished
- Lay-on joint
- Non-twistable
- Implementation SPT

Technical Data

Grip Material	1 component handle
---------------	--------------------



Title	Jaw Width	Length	Length (Inch)	PU Piece	Article No.
282051 PLUMBERS FOLDG PLI STR.	12 mm	240 mm	9 1/2 "	1	388599
282151 PLUMBERS FOLDG PLI CUR.	60 mm	240 mm	9 1/2 "	1	151493

AGR: 03.209

INTERNAL/Approved (2019-03-22 17:25:39)

Pliers for unbending rabbet

Application Area

- Quick opening of standing seams and double seams

Characteristics

- Upper jaw with cutter, lower jaw with prism
- Forged
- Lay-on joint
- Material: C45 carbon steel
- Implementation: SPT

Technical Data

Grip Material	1 component handle
---------------	--------------------

Title	Length	PU Piece	Article No.
PLIER FOR BENDING GUTTER	250 mm	1	021364

AGR: 03.209



Pliers, tweezers, shears, bolt cutters

Iron Braiding Tongs

- Edges induction-hardened
- Tool phosphated and polished
- Handles with a plastic coating

Characteristics

- Forged out of special steel
- Polished head
- Fourfold joint
- Implementation SPT

Technical Data

Grip Material1 component handle



Title	Length	Length (Inch)	PU Piece	Article No.
113301 IRON BRAIDING TONGS 280	280 mm	11 "	1/25	840819
IRON BRAIDG TONGS 529 - 280MM	280 mm	-	1/25	170886

AGR: 03.209

Special Roofer pliers

Application Area

- For roofers and plumbers
- For the pinching off of nail residuals, rivet residuals,...

Characteristics

- Head surface grinded with fine cotton
- Implementation according to DIN 5242, red varnish

Technical Data

Norms	DIN 5242
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3

Title	Length	PU Piece	Article No.
SPECIAL-ROOFER TONGS 220 MM	220 mm	1	158357

AGR: 03.201

Pliers for Bending Gutter

Characteristics

- Head and slip-roller out of hardened and tempered steel, bending angle easily adjustable through a wing scres, steel tube lever with non-slip rubber handles

Technical Data

Grip Material	1 component handle
---------------	--------------------



Title	Length	PU Piece	Article No.
PLIER FOR BENDING GUTTER	600 mm	1	021367

AGR: 03.209

INTERNAL/Approved (2019-03-22 17:25:56)

Fast Chuck Wrench

Characteristics

- All-steel forged, with grid adjustment and quick adjustment and lever transmission, smooth jaws for the protection of fittings and sensitive or rather polished surfaces



Title	Length	Clamping range	Jaw Depth	PU Piece	Article No.
FAST CHUCK.SPANN. 35.0850	260 mm	0 - 75 mm	45 mm	1	157262

AGR: 03.204

Continuous Shears

Application Area

- For long and straight cuts

Characteristics

- Cutting heads out of special steel

Title	Length	PU Piece	Article No.
269001 CONTINUOUS SHEAR	350 mm	1	826875

AGR: 03.320



3

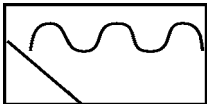
Combi Sheet Shears

Application Area

- For curved cuts, as well as for long continuous cuts

Title	Length	PU Piece	Article No.
270001 COMBI SHEET SHEARS RH.	280 mm	1	826806
270501 COMBI SHEET SHEARS LH.	280 mm	1	826752

AGR: 03.210



Hole Cutters Right

Application Area

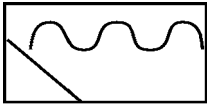
- For straight and bend cuts

Characteristics

- Cutting heads out of special steel

Title	Length	PU Piece	Article No.
267501 HOLE CUTTERS RIGHT	250 mm	1	826912
267601 HOLE CUTTERS LEFT	250 mm	1	826929

AGR: 03.210



INTERNAL/Approved (2019-03-22 17:26:09)

Pliers, tweezers, shears, bolt cutters

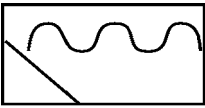
Normal Metal Shears

Characteristics

- Made from steel, drop-forged, induction-hardened cutting edges

Title	Length	PU Piece	Article No.
7866-00 IDEAL SHEARS RIGHT	280 mm	1	819570
7866-01 IDEAL SHEARS LEFT	280 mm	1	820101

AGR: 03.210



Stocks leverage circular Ideal - plate shears

- The fine gearing on the edge prevents the plate from slipping
- Easy handling by lever mechanism and self-opening by a spring

Characteristics

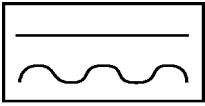
- Shear head is forged into the winze
- suitable for figure cutting and straight, long cuts in transit
- Cutters are induction hardened, providing high cutting power and a long lifespan

Technical Data

Cutting Performance Steel Sheet	1.8 mm
Cutting Performance Stainless Steel Sheet	1.2 mm

Title	Length	PU Piece	Article No.
SHEET SHEARS IDEAL LH. 7.1073	260 mm	1	049360
SH SHEARS IDEAL RH 7.1071	260 mm	1	049344

AGR: 03.211



Bolt Cutter

- With replaceable triangular cutting edges

Application Area

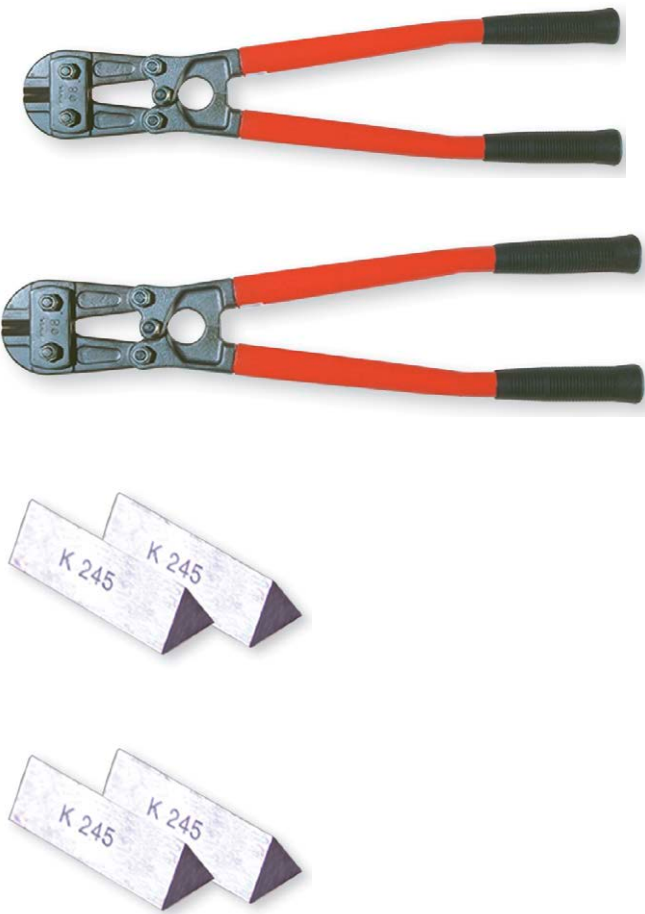
- Suitable for construction steel up to 12 mm Ø (16 kg/mm²) or spring steel up to 10 mm Ø (180 kg/mm²)

Characteristics

- Forged out of special steel
- Edges out of alloy steel
- Powder-coated tube legs

Technical Data

Grip Material	1 component handle
---------------	--------------------



Title	Length	PU Piece	Article No.
113154 TRIHEDRAL-REPL. CUTTER	-	1	165734
113103 BOLT CUTTER 630MM	630 mm	1	165732
113104 BOLT CUTTER 780MM	780 mm	1	165733

AGR: 03.220

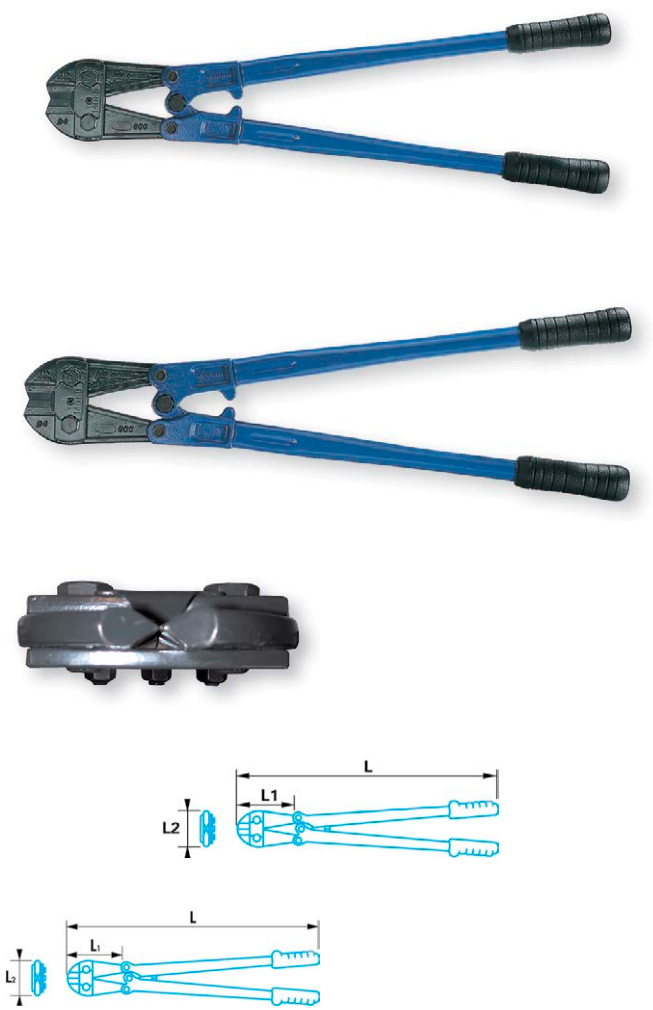
INTERNAL/Approved (2019-03-22 17:26:30)

Pliers, tweezers, shears, bolt cutters

Bolt Cutter 140kg

Technical Data

Grip Material	1 component handle
---------------	--------------------



Title	Length	Cutting Performance Round Material Hrc 40	PU Piece	Article No.
B BOLT CUTTER 140KG/MM2 L450	450 mm	7 mm	1	134997
B BOLT CUTTER 140KG/MM2 L600	600 mm	7 mm	1	134998
B BOLT CUTTER 140KG/MM2 L750	750 mm	10 mm	1	134999
B BOLT CUTTER 140KG/MM2 L900	900 mm	13 mm	1	135000

AGR: 03.220

Spare Parts

	PU Piece	Article No.
B BORING HEAD F. L750	1	135008
B BORING HEAD F. L600	1	135007
B BORING HEAD F. L900	1	135012

INTERNAL/Approved (2019-03-22 17:26:42)

Milling Head

Scope Of Delivery

- The milling heads are delivered with fixing screws

Title	PU Piece	Article No.
B BORING HEAD F. L600	1	135007
B BORING HEAD F. L750	1	135008
B BORING HEAD F. L900	1	135012

AGR: 03.220



Steel Wire Cutter

- For the gait-free and flow-free cutting of wire ropes and steel wire
- Special cutting geometry and precision cutting for a clean, burr-free cut
- For versions 500 and 700, the cutting edges are inductively hardened and the legs are made of precision steel tube

Application Area

- Burr-free cutting of wire ropes

Title	Length	Cutting Performance-Ø Soft Wire	Cutting Performance-Ø Hard Wire	PU Piece	Article No.
Steel Wire Cutter	190 mm	6 mm	3 mm	1	340646
Steel Wire Cutter	500 mm	12 mm	7 mm	1	340649
Steel Wire Cutter	700 mm	16 mm	9 mm	1	340648

AGR: 03.220



Pliers, tweezers, shears, bolt cutters

Steel Wire Mesh Scissors

- Angled cutting head allows a quick work

Application Area

- For cutting steel wire mesh during reinforcement work

Characteristics

- Forged cheeks made of chrome-vanadium-steel, screwed together, exchangeable heads, precision shank with PVC grip handles

Scope Of Delivery

- Replacement parts: Replacement parts: Cutting heads comple with nuts and screws



Title	Length	Cutting Performance Round Material Hrc 40	PU Piece	Article No.
Steel Wire Mesh Scissors	900 mm	9 mm	1	048097
Spare Parts			PU Piece	Article No.
Spare head mesh cutters			1	054346

INTERNAL/Approved (2019-03-22 17:26:58)

Double-Joint Assembly Tools Round, 2-pieces

Application Area

- Special for low-lying spark plug connectors
- For wires which have to be held rigid in depth

Title	PU Assortment	Article No.
748200/2 SPARK PLUG PLIERS	1	043525*

\* = The delivery time is 21 days  
AGR: 03.419



3

Double-Joint Assembly Tools, 3-pieces

- The two joints ensure a wide opening of the pliers, even in deep and difficult to access areas

Title	PU Set	Article No.
PLIERSET 3PCS. LONG 748200/3	1	043571

AGR: 03.419



Cable Cutters

- Top power transmission due to an ideal lever transmission and successive cutting
- Release mechanism in every cutting position
- Ergonomically shaped soft-handles

Application Area

- Cutting of copper and aluminium wires
- Cable cutter SH 32 cuts single-wired cables up to Ø 25 mm and stranded wires up to Ø 32 mm
- Cable cutter SH 54 cuts single-wired and stranded wires up to Ø 54 mm

Characteristics

- All components are out of high-strength special steel, the cutting edges and the stressed parts are annealed and hardened

Hints

- Usable for copper and aluminium cables, not usable for steel cables or steel reinforced aluminium conductor cables



Title	PU Piece	Article No.
Cable Cutter SH 32	1	219152
Cable Cutter SH 54	1	219153

AGR: 03.220

Automatic Locking Plier “Easy-Grip”

- Enormous time saving due to patented, automatic, idependent adjustment in line with the thickness of the material in question, from thick to thin. The required clamping thickness only has to be set once
- Easy to operate thanks to the non-slip surface and locking mechanism
- Can also be used for soft materials because the contact pressure is adjustable



Application Area

- To clamp or remove parts, including in hard-to-access places
- Weldings
- Loosening corroded nuts and bolts

Processing Information

- Before using preset the dial to adjust the desired holding pressure.

Title	Length	Clamping range	Clamping Jaw Width	PU Piece	Article No.
Grip Wrench "Easy-Grip"	165 mm	0 - 30 mm	8 mm	1	036727
Sharp Grip Wrench "Easy-Grip"	195 mm	0 - 30 mm	10 mm	1	047599
Grip Wrench "Easy-Grip"	235 mm	0 - 40 mm	13 mm	1	036728

AGR: 03.207

INTERNAL/Approved (2019-03-22 17:27:16)

## Locking Plier

### Application Area

- To clamp or remove parts, including in hard-to- access places
- Welding
- Loosening corroded nuts and bolts

### Characteristics

- High-alloy steel

### Hints

- Art-No. 048771, jaw thickness 4 mm tip / base 8 mm
- Art-No. 251461, jaw thickness 5 mm top / base 10 mm
- Art-No. 257737, jaw thickness 8 mm tip / base 10 mm
- Art-No. 251453, jaw strength peak to 11 mm / Base 13 mm



Title	Length	Clamping range	Jaw Depth	Clamping Jaw Width	PU Piece	Article No.
Long-Nosed Grip Wrench	163 mm	0 - 65 mm	45 mm	4 mm	1	048771
Universal-Grip Wrench	180 mm	0 - 58 mm	29 mm	8 mm	1	257737
Wide mouth vice grip	200 mm	0 - 50 mm	40 mm	80 mm	1	109385
Long-Nosed Grip Wrench	212 mm	0 - 90 mm	55 mm	5 mm	1	251461
3-Point Gripping Pliers 8,5"	215 mm	6 - 28 mm	35 mm	9 mm	1	098891
Universal-Grip Wrench	218 mm	0 - 70 mm	34 mm	11 mm	1	251453
Welding-Grip Wrench	222 mm	0 - 51 mm	60 mm	71 mm	1	251470

AGR: 03.207

C-Form Clamp Locking Plier

Application Area

- Welding and metalwork (performed with fixed clamping jaws)
- Working on non-parallel workpieces (performed with no clamping jaws)
- Loosening corroded nuts and bolts

Characteristics

- High-alloy steel with a large jaw width

Hints

- Article Nos. 049603 and 049280 feature moving clamping
- Article No. 217239 has fixed clamping jaws



Title	Length	Clamping range	Jaw Depth	Clamping Jaw Width	PU Piece	Article No.
C-Form, fixed jaws locking plier	280 mm	0 - 80 mm	85 mm	95 mm	1	109384
C-Form, flexible jaws locking plier	280 mm	0 - 108 mm	92 mm	165 mm	1	049603
C-Form, flexible jaws locking plier	440 mm	0 - 210 mm	240 mm	270 mm	1	049280
C-Form, fixed jaws locking plier	605 mm	0 - 315 mm	390 mm	315 mm	1	217239

AGR: 03.207

Special Locking Plier

Application Area

- Type 1080: For stacked metal sheets
- Type 1084: For stacked metal sheets



Title	Length	Clamping range	Jaw Depth	Clamping Jaw Width	PU Piece	Article No.
Welding Grip Axial Type W	193 mm	0 - 21 mm	30 mm	70 mm	1	042679
Welding Grip Axial Type L	193 mm	0 - 21 mm	30 mm	25 mm	1	042683

AGR: 03.207

INTERNAL/Approved (2019-03-22 17:27:44)

Adjustable Locking Plier

- Rack with 4 setting positions for clamping any shape
- Wide opening
- Clamping with jaws always parallel
- Width of the jaws : 16 mm
- Forged steel jaws, striated and case-hardened with teeth at 58/60 HRC
- Powerful and precise clamping (from 300 to 600 daN)
- Entirely chrome plated body
- Jaws protected with cataphoresis (technical coating for a high protection against corrosion)
- Ergonomics : easy clamping and unlocking with the same hand
- Precise adjustment of the tightening force thanks to the knurl

Application Area

- Grip or hold of bigger material
- Welding work

Characteristics

- High-alloy steel

Technical Data

Grip Material1 component handle

Title	Length	Clamping range	Jaw Depth	Clamping Jaw Width	PU Piece	Article No.
Adjustable locking plier regular	225 mm	0 - 55 mm	45 mm	17 mm	1	043691
Adjustable locking plier deep load	250 mm	0 - 75 mm	73 mm	16.5 mm	1	022356
Adjustable locking plier flexible jaw	255 mm	0 - 85 mm	70 mm	16 mm	1	043692

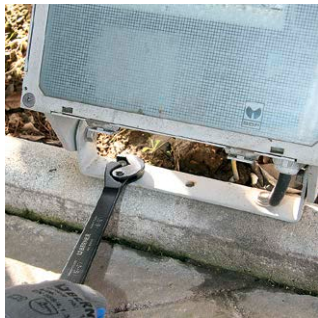
AGR: 03.207



INTERNAL/Approved (2019-03-22 17:28:06)

Dual single-hand automatic wrench

- One wrench for various sizes
- Used for metric size and size in inch
- Usable with one hand
- Ratchet function
- Extremely solide



3

Title	Length	PU Piece	Article No.
DUAL JAW SELF ADJUST WRENCH	310 mm	1	183770

AGR: 03.204

INTERNAL/Approved (2019-03-22 17:28:12)

## HD one Hand Quick Wrench ALU

- Ratchet function by spring aided clamping jaw, thereby a fast setting back is warranted.
- The special 3-point construction of the clamping jaw enables a secure purchase for more torque and so tension arises.
- Using the thumb enables a fast adjusting and opening of the quick wrench.
- Forged robust steel jaws for a secure grip.
- One-handed operation.
- Automatical adjusting to the workpiece.
- Little weight due to forged alu handle.



## Application Area

- For fast, easy and secure dissolving and tightening of screwings, pipes, sockets, ...

## Technical Data

Grip Material	aluminium
---------------	-----------

Title	Length	Jaw Depth	Clamping Jaw Width	PU Piece	Article No.
HD one Hand Quick Wrench 26	185 mm	35 mm	12 mm	1	245319
HD one Hand Quick Wrench 33	232 mm	45 mm	16 mm	1	245321
HD one Hand Quick Wrench ALU 42	277 mm	55 mm	18 mm	1	245322
HD one Hand Quick Wrench ALU 48	325 mm	65 mm	24 mm	1	245320
HD one Hand Quick Wrench ALU 60	457 mm	100 mm	28 mm	1	216374

AGR: 03.204

Textile Strap Wrench

- Strong, antiskid fabric tape
- very high static friction

Application Area

- Opening and closing of all kind of cylindrical filters
- Adjusting, opening and tightening of pipelinges as well as round profiles and multi-square profile like e.g. square profile, hexagonal profile, octagon profile, and so on

Technical Data

Grip Material	1 component handle
---------------	--------------------



3

Title	Clamping range	Length	PU Piece	Article No.
Textile Strap Wrench 25-160 mm	25 - 160 mm	550 mm	1	248625
Textile Strap Wrench 40-240 mm	40 - 240 mm	860 mm	1	248624

AGR: 03.419

Precision Tweezers

Characteristics

- Inside jaws with fine cut
- Straight, rounded tips
- Serrated handles
- Finish: polished and finely nickel-plated



3

Title	Length	Point Angle	Weight	PU Piece	Article No.
Precision tweezer	120 mm	0 °	15 g	1	210380
Precision tweezer	160 mm	0 °	30 g	1	210418

AGR: 03.230

High Precision Tweezers with guide

Characteristics

- Inside jaws with fine cut
- Guide pin for exact working
- Straight or 40° angle, rounded tips
- Serrated handles
- Finish: polished and finely nickel-plated



Title	Length	Point Angle	Weight	PU Piece	Article No.
Precision tweezers with guide	120 mm	0 °	25 g	1	210419
Precision tweezer 40°	160 mm	40 °	20 g	1	210420

AGR: 03.230

## Precision Tweezers, Trapez

### Characteristics

- Flat and wide gripper jaws, trapezoidal from 4.5 to 6.5mm with fine cut serrated jaws
- Cross working for holding and positioning components
- Serrated handles
- Finish: polished and nickel plated



Title	Length	Point Angle	Weight	PU Piece	Article No.
Precision tweezer trapeze	160 mm	0 °	35 g	1	210421

AGR: 03.230

## Soldering Tweezers

### Characteristics

- Inside jaws with fine cut
- Straight or 40° angle, rounded tips
- 40° angle version with guide pin
- Serrated handles
- Finish: stainless, antimagnetic, acid-resistant glare free



Title	Length	Point Angle	Weight	PU Piece	Article No.
Solder tweezer	120 mm	0 °	15 g	1	210422
Solder tweezer	140 mm	0 °	15 g	1	210423
Solder tweezer 40°	155 mm	40 °	20 g	1	210424

AGR: 03.230

INTERNAL/Approved (2019-03-22 17:28:41)

VDE-Precision Tweezers

Characteristics

- Inside jaws without cut
- Fine tips, straight or 40° angle version
- Insulation according to DIN EN/IEC 60900
- VDE 1000V proofed
- Finish: polished and finely nickel-plated



3

Title	Length	Point Angle	Weight	PU Piece	Article No.
Precision tweezer	145 mm	0 °	45 g	1	210425
Precision tweezer	155 mm	40 °	35 g	1	210426

AGR: 03.230

Precision Tweezets Set

- Gripping surfaces with fine slash
- Corrugated handle for secure hold
- Wide, pointed, angled and self-contained version included in set



Title	PU Piece	Article No.
Precision Tweezets Set	1	336013

AGR: 03.230

HD Tweezer XXL 300

Application Area

- Holding and fixing of small components
- Aufnehmen von Kleinteilen aus schwer zugänglichen Stellen

Processing Information

- Total length: 300 mm
- Tip width: 6 mm
- Material: A2
- Weight: 112 g



Title	Length	Point Angle	Weight	PU Piece	Article No.
HD Tweezer XXL 300	300 mm	0 °	112 g	1	370433

AGR: 03.230

INTERNAL/Approved (2019-03-22 17:28:50)

## Percussion tools (e.g. hammers, chisels, centre punches, files ...)

### Roofing Hammer Steel Pipe

- The master hammers have everything it takes to be genuine classics. The best materials skilfully combined and joined to be bombproof: that's how a tool should look. here, the latest technology meets classic handwork. A carefully shaped forged hammer head sits unshakably on a seamlessly wrought special steel tube. the handle constructed by us from vibration-damping and non-slip plastic ensures that these tools will remain securely in your hand, so that every time it is used, it will show what handwork really is
- -----
- Head:
- Forged using alloyed, hardened, special steel and given a smooth finish. The extended tubular shaft holding fixture provides additional protection when striking and is more stable when levering. The nail holder on the carpenters' roofing hammer has an extremely strong magnet
- Claw and point:
- The claw and the slim, extended point on the carpenters' roofing hammer are precisely wrought and inductively hardened. Even small nails are securely caught
- Protective ring:
- Mounted securely on the shaft, the hardened steel protective ring provides extra safety should the hammer not hit its target precisely.
- Face:
- The face is carefully hardened and specially tempered; the roughened version has particularly deep checks
- Shaft:
- Extremely resistant shaft made from chrome molybdenum tube. Especially tough and elastic. Additional hardening ensures particular toughness
- Handle:
- The traditional handwork handle. The handle and shaft are solidly bonded using a specially developed two-component industrial adhesive. A special construction ensures that the end of the shaft doesn't work its way through the handle. The vibration-damping material and ergonomic shape make work effortless.



### Characteristics

- Head DIN 7239

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

- TÜV / GS sign

Technical Data

Shaft	Steel pipe
Norms	Roofing hammer

Title	Head Weight	Length	Head Length	PU Piece	Article No.
Roofing Hammer steel pipe	600 g	330 mm	165 mm	1	244658
Roofing Hammer steel pipe, smooth	600 g	330 mm	165 mm	1	339194

AGR: 03.900

Roofing Hammer Fibre Glas

- BERNER Roofing hammers are true masterpieces among tools. Supreme quality materials result in a product that can cope with the very highest demands. As solid steel hammers head, they deliver maximum force – for greater efficiency with every single stroke. The 3-Component handle is shock absorbing and the grip is made from two-component plastic material. Uncompromising tools that delight at first glance and continue to impress users every time they are picked up – and are also admired by those who are merely able to look on
- -----
- Head:
- Forged using alloyed, hardened, special steel and given a smooth finish. The nail holder on the carpenters’ roofing hammer has an extremely strong magnet
- Claw and point:
- The claw and the slim, extended point on the carpenters’ roofing hammer are precisely wrought and inductively hardened. Even small nails are securely caught
- Face:
- The face is carefully hardened and specially tempered; the roughened version has particularly deep checks
- Shaft:
- Extremely resistant and shock absorbing shaft made from 3-Component. Especially tough and elastic
- Handle:



Percussion tools (e.g. hammers, chisels, centre punches, files ...)

- The traditional handwork handle. The handle and shaft are solidly bonded using a specially developed two-component industrial adhesive. The vibration-damping material and ergonomic shape make work effortless.

Characteristics

- Head DIN 7239
- TÜV / GS sign

Technical Data

Shaft	Fiberglass
Norms	Roofing hammer

Title	Head Weight	Length	Head Length	PU Piece	Article No.
Roofing Hammer Fibre Glas	600 g	330 mm	165 mm	1	244659

AGR: 03.900

Roofing Hammer Full Steel

- Forged out of one piece
- Break-proof connection of grip handle and head
- With a magnet

Characteristics

- Head DIN 7239
- TÜV / GS sign

Technical Data

Norms	Roofing hammer
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Title	Head Weight	Length	Head Length	PU Piece	Article No.
SCABBING PICK HAMMER	600 g	340 mm	175 mm	1	000344

AGR: 03.900



INTERNAL/Approved (2019-03-22 17:29:00)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Roofing Hammer Full Steel

- BERNER steel hammers are true masterpieces among tools. Supreme quality materials result in a product that can cope with the very highest demands. As solid steel hammers, they deliver maximum force – for greater efficiency with every single stroke. The grip are made from two-component plastic material. Uncompromising tools that delight at first glance and continue to impress users every time they are picked up – and are also admired by those who are merely able to look on
- -----
- Head:
- Forged using alloyed, hardened, special steel and given a smooth finish. The nail holder on the carpenters’ roofing hammer has an extremely strong magnet.
- Claw and point:
- The claw and the slim, extended point on the carpenters’ roofing hammer are precisely wrought and inductively hardened. Even small nails are securely caught
- Face:
- The face is carefully hardened and specially tempered; the roughened version has particularly deep checks.
- Shaft
- The construction of the forged, weight-optimised shaft provides perfect balance and supreme impact. Its carefully cut surface blends smoothly into the grip
- Two-component handle:
- The two-component plastic handle is ergonomically optimised and designed to be vibration-damping. It makes work effortless and is extremely durable thanks to the solid join between the shaft and handle, and the robust base plate

Characteristics

- Head DIN 7239
- TÜV / GS sign

Technical Data

Norms	Roofing hammer					
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Title	Head Weight	Total Weight	Length	Head Length	PU Piece	Article No.
Roofing Hammer Full Steel	600 g	750 g	330 mm	165 mm	1	244657

AGR: 03.900



INTERNAL/Approved (2019-03-22 17:29:13)

## Percussion tools (e.g. hammers, chisels, centre punches, files ...)

### Roofing Hammer Full Steel, Leather

- The master hammers have everything it takes to be genuine classics. The best materials skilfully combined and joined to be bomb-proof: that's how a tool should look. here, the latest technology meets classic handwork.
- BERNER steel hammers are true masterpieces among tools. Supreme quality materials result in a product that can cope with the very highest demands. As solid steel hammers, they deliver maximum force – for greater efficiency with every single stroke. The grip are made of the finest, untreated core leather. Uncompromising tools that delight at first glance and continue to impress users every time they are picked up – and are also admired by those who are merely able to look on
- -----
- Head:
- Forged using alloyed, hardened, special steel and given a smooth finish. The nail holder on the carpenters' roofing hammer has an extremely strong magnet
- Claw and point:
- The claw and the slim, extended point on the carpenters' roofing hammer are precisely wrought and inductively hardened. Even small nails are securely caught.
- Face:
- The face is carefully hardened and specially tempered; the roughened version has particularly deep checks.
- Shaft:
- The construction of the forged, weight-optimised shaft provides perfect balance and supreme impact. Its carefully cut surface blends smoothly into the grip.
- Leather grip:
- The leather grip on the solid steel handle is resistant to twisting. It not only looks good, leather absorbs moisture and releases it again once the work is done. The surface is extremely wear-resistant.

#### Characteristics

- Head DIN 7239
- TÜV / GS sign

#### Technical Data

Norms	Roofing hammer
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Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Title	Head Weight	Total Weight	Length	Head Length	PU Piece	Article No.
Roofing Hammer Full Steel, Leather, smooth	600 g	900 g	330 mm	165 mm	1	339193
Roofing Hammer Full Steel, Leather	600 g	900 g	330 mm	165 mm	1	244661

AGR: 03.900

Joiners Hammer

- Finn and Bahn hardened 50-58 RHc
- Handle Eye 30 HRC
- Ring Wedge and glued
- Protection on the handle
- Chamfer from 45°, This phase prevents breakouts while batting.
- Europe, moisture controlled Ash handle

Characteristics

- Head DIN 5109
- Shaft DIN 5111

Technical Data

Shaft	Ash
Norms	Claw hammer

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Joiner Hammer	150 g	280 mm	20 mm	18 mm	95 mm	1	244594
Joiner Hammer	200 g	280 mm	22 mm	20 mm	100 mm	1	244595
Joiner Hammer	230 g	300 mm	25 mm	22 mm	108 mm	1	244596
Joiner Hammer	320 g	300 mm	28 mm	25 mm	118 mm	1	244598

AGR: 03.900

Spare Parts

	PU Piece	Article No.
Hammer Handle 200 g	1	249655
Ring Wedge Hammer 200 g	1	249676
Hammer Handle 300 g	1	249656
Ring Wedge Hammer 300 g	1	249677



Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Locksmith's Hammer

- Head:
- Forged in the die using steel and therefore quenched to a greater extent than that required by DIN standards. Tempered and painted black. Safety system with no protruding parts
- Ring Wedge:
- The ring wedge and countersunk head are combined the head and the shaft in one single component. This minimises tolerances and increases stability. The Ring Wedge and the handle are glued in the head. This simple yet ingenious solution prevents the hammer head from flying off
- Finn:
- Finely polished and tempered. Through a combination of special steel and 150 years of production experience, the peen keeps its shape even after long and intensive use.
- Finn and Bahn hardened 50-58 RHc
- Chamfer from 45°, This phase prevents breakouts while batting
- Handle Eye 30 HRC
- Protective sleeve on the shaft:
- Form-fitted with no protruding edges on the shaft. Made of plastic, it effectively protects the shaft from mishits. The stabilisation collar fitted all the way around the underside of the hammer head also secures the head–shaft connection against the effects of leverage.
- Europe, moisture controlled Ash handle



3

Characteristics

- Head DIN 1041
- Shaft DIN 5111

Technical Data

Shaft	Ash
Norms	Engineer's hammer DIN 1041

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Locksmith's Hammer	100 g	260 mm	15 mm	15 mm	82 mm	1	244497
Locksmith's Hammer	200 g	280 mm	19 mm	19 mm	95 mm	1	244578
Locksmith's Hammer	300 g	300 mm	23 mm	23 mm	105 mm	1	244579
Locksmith's Hammer	400 g	310 mm	25 mm	25 mm	110 mm	1	244580
Locksmith's Hammer	500 g	320 mm	27 mm	27 mm	118 mm	1	244581

INTERNAL/Approved (2019-03-22 17:29:33)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Locksmith's Hammer	600 g	330 mm	30 mm	30 mm	120 mm	1	244582
Locksmith's Hammer	800 g	350 mm	33 mm	33 mm	130 mm	1	244583
Locksmith's Hammer	1000 g	360 mm	36 mm	36 mm	135 mm	1	244584
Locksmith's Hammer	1500 g	380 mm	42 mm	42 mm	145 mm	1	244585
Locksmith's Hammer	2000 g	400 mm	47 mm	47 mm	155 mm	1	244586

AGR: 03.901

3

3K-Locksmith's Hammer

- The stem has a virtually unbreakable fiberglass core which packed in plastic. This gives the handle a particular strength with optimum shock absorption. By incorporated rubberized grip area is a secure grip, even with wet or oily hands, guaranteed. Under the hammer head is still a rubberized handle sleeve to violations of the hammer shank to prevent slipping when.
- 1. Fiberglass core
- 2. Plastic shell
- 3. Rubberized grip surface and handle sleeve
- Hammer head to DIN 1041 - VPA / GS tested and made of C45 treated steel
- Forged, hardened and tempered
- Powder coated and edges according to DIN broken



Technical Data

Shaft	Fiberglass
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Title	Head Weight	Length	PU Piece	Article No.
3K-Locksmith's Hammer	300 g	300 mm	1	333677
3K-Locksmith's Hammer	500 g	320 mm	1	333682
3K-Locksmith's Hammer	800 g	350 mm	1	333683
3K-Locksmith's Hammer	1000 g	360 mm	1	333674
3K-Locksmith's Hammer	1500 g	380 mm	1	333675

AGR: 03.901

INTERNAL/Approved (2019-03-22 17:29:36)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Sledge Hammer

- Head:
- Forged in the die using steel and therefore quenched to a greater extent than that required by DIN standards. Tempered and painted black. Safety system with no protruding parts
- Ring Wedge:
- The ring wedge and countersunk head are combined the head and the shaft in one single component. This minimises tolerances and increases stability.The Ring Wedge and the handle are glued in the head. This simple yet ingenious solution prevents the hammer head from flying off
- Bahn hardened 50-58 RHc
- Chamfer from 45°, This phase prevents breakouts while batting
- Handle Eye 30 HRC
- Europe, moisture controlled Ash handle



3

Characteristics

- Head DIN 6475
- Shaft DIN 5135

Technical Data

Shaft	Ash
Norms	Sledge hammer

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Sledge Hammer	1000 g	260 mm	40 mm	40 mm	95 mm	1	244599
Sledge Hammer	1250 g	260 mm	43 mm	43 mm	100 mm	1	244601
Sledge Hammer	1500 g	280 mm	45 mm	45 mm	110 mm	1	244602
Sledge Hammer	2000 g	300 mm	50 mm	50 mm	120 mm	1	244603

AGR: 03.901

Spare Parts

	PU Piece	Article No.
Sledge Hammer Handle 1000 g	1	249664
Ring Wedge Hammer 1500 g	1	249683

INTERNAL/Approved (2019-03-22 17:29:49)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Sledge Hammer long

- Head:
- Forged in the die using steel and therefore quenched to a greater extent than that required by DIN standards. Tempered and painted black. Safety system with no protruding parts
- Ring Wedge:
- The ring wedge and countersunk head are combined the head and the shaft in one single component. This minimises tolerances and increases stability. The Ring Wedge and the handle are glued in the head. This simple yet ingenious solution prevents the hammer head from flying off
- Bahn hardened 50-58 RHc
- Chamfer from 45°, This phase prevents breakouts while batting
- Handle Eye 30 HRC
- Europe, moisture controlled Ash handle



Characteristics

- Head DIN 6475
- Shaft DIN 5135

Technical Data

Shaft	Ash
Norms	Sledge hammer

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Sledge Hammer	3000 g	800 mm	57 mm	57 mm	140 mm	1	244604
Sledge Hammer	5000 g	800 mm	68 mm	68 mm	160 mm	1	244605

AGR: 03.900

Sledge Hammer long, Finn

- Head:
- Forged in the die using steel and therefore quenched to a greater extent than that required by DIN standards. Tempered and painted black. Safety system with no protruding parts
- Ring Wedge:



INTERNAL/Approved (2019-03-22 17:29:53)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

- The ring wedge and countersunk head are combined the head and the shaft in one single component. This minimises tolerances and increases stability. The Ring Wedge and the handle are glued in the head. This simple yet ingenious solution prevents the hammer head from flying off
- Finn:
- Finely polished and tempered. Through a combination of special steel and 150 years of production experience, the peen keeps its shape even after long and intensive use
- Finn and Bahn hardened 50-58 RHc
- Chamfer from 45°, This phase prevents breakouts while
- batting
- Handle Eye 30 HRC
- Europe, moisture controlled Ash handle

Characteristics

- Head DIN 1042
- Shaft DIN 5112

Technical Data

Shaft	Ash
Norms	Aboutsledge

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Sledge Hammer long	1000 g	600 mm	36 mm	36 mm	135 mm	1	244606
Sledge Hammer long	1500 g	600 mm	42 mm	42 mm	145 mm	1	244607
Sledge Hammer long	2000 g	600 mm	47 mm	47 mm	155 mm	1	244608
Sledge Hammer long	3000 g	900 mm	56 mm	56 mm	160 mm	1	244609
Sledge Hammer long	5000 g	900 mm	68 mm	68 mm	184 mm	1	244610
Sledge Hammer long	10000 g	900 mm	86 mm	86 mm	222 mm	1	244611

AGR: 03.901

INTERNAL/Approved (2019-03-22 17:29:56)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

3K Sledge Hammer

- The stem has a virtually unbreakable fiberglass core which packed in plastic. This gives the handle a particular strength with optimum shock absorption. By incorporated rubberized grip area is a secure grip, even with wet or oily hands, guaranteed. Under the hammer head is still a rubberized handle sleeve to violations of the hammer shank to prevent slipping when.
- 1. Fiberglass core
- 2. Plastic shell
- 3. Rubberized grip surface and handle sleeve
- Hammer head to DIN 6475 - VPA / GS tested and made of C45 treated steel
- Forged, hardened and tempered
- Powder coated and edges according to DIN broken



Technical Data

Shaft	Fiberglass
Norms	Sledge hammer

Title	Head Weight	Length	PU Piece	Article No.
3K Sledge Hammer	1000 g	260 mm	1	333684
3K Sledge Hammer	1250 g	260 mm	1	333685
3K Sledge Hammer	1500 g	280 mm	1	333686
3K Sledge Hammer	2000 g	300 mm	1	333687
3K Sledge Hammer	4000 g	800 mm	1	333688

AGR: 03.901

Elektric Hammer

- Due to the especially long fin this hammer is very well suited for the knocking in of cables or pipe clamps

Technical Data

Shaft	Wood
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INTERNAL/Approved (2019-03-22 17:30:06)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Title	Height Of Head (k)	Head Width	PU Piece	Article No.
Electrik Hammer	18 mm	18 mm	1	244649

AGR: 03.901

Secutec Locksmith's Hammer

- SecuTec® hammers bring supreme safety to the segment of hammers featuring wooden shafts. hickory wood with long fibres, a robust shaft collar and the patented wedge bolt (de-Gm 20 2012 001 634.2) provide outstanding protection by preventing hammer heads from flying off and shafts from breaking. On top of that are the ergonomic benefits of the vibration-damping hickory shaft in conjunction with exclusive steel quality and maximum safety – a typical quality product made by PICARD
- -----
- Head:
- Forged in the die using PICARD special steel and therefore quenched to a greater extent than that required by DIN standards. Tempered and painted black. Safety system with no protruding parts
- Wedge bolt:
- The ring wedge, countersunk head and bolt thread are combined in one single component. This minimises tolerances and increases stability. The diameter of the wedge bolt is larger than that of the DIN eye. This simple yet ingenious solution prevents the hammer head from flying off.
- Peen:
- Finely polished and tempered. Through a combination of special steel and 150 years of production experience, the peen keeps its shape even after long and intensive use
- Face:
- Convex polished with durable bevel for safe working with no fractures, even when hitting hard edges or mishitting the hammer
- Protective sleeve on the shaft:
- Form-fitted with no protruding edges on the shaft. Made of steel, it effectively protects the shaft from mishits. The stabilisation collar fitted all the way around the underside of the hammer head also secures the head–shaft connection against the effects of leverage.
- Hickory shaft:



3

INTERNAL/Approved (2019-03-22 17:30:12)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

- This can withstand three- to four-times more stress than standard ash shafts, because the longfibre wooden structure keeps the shaft in one piece even when damaged or broken. Vibration-damping, extremely bend-resistant and long-lasting.

Characteristics

- Head DIN 1041
- Shaft DIN 5111

Technical Data

Shaft	Hickory
Norms	Engineer's hammer DIN 1041

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Secutec Locksmith's Hammer	300 g	300 mm	23 mm	23 mm	105 mm	1	244641
Secutec Locksmith's Hammer	500 g	320 mm	27 mm	27 mm	118 mm	1	244642
Secutec Locksmith's Hammer	800 g	350 mm	33 mm	33 mm	130 mm	1	244644

AGR: 03.901

Secutec Sledge Hammer

- SecuTec® hammers bring supreme safety to the segment of hammers featuring wooden shafts. hickory wood with long fibres, a robust shaft collar and the patented wedge bolt (de-Gm 20 2012 001 634.2) provide outstanding protection by preventing hammer heads from flying off and shafts from breaking. On top of that are the ergonomic benefits of the vibration-damping hickory shaft in conjunction with exclusive steel quality and maximum safety – a typical quality product made by PICARD
- -----
- Head:
- Forged in the die using PICARD special steel and therefore quenched to a greater extent than that required by DIN standards. Tempered and painted black. Safety system with no protruding parts
- Wedge bolt:
- The ring wedge, countersunk head and bolt thread are combined in one single component. This minimises tolerances and increases stability. The diameter of the wedge bolt is larger than that of the DIN eye. This simple yet ingenious solution prevents the hammer head from flying off



INTERNAL/Approved (2019-03-22 17:30:15)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

- Face:
- Convex polished with durable bevel for safe working with no fractures, even when hitting hard edges or mishitting the hammer
- Protective sleeve on the shaft:
- Form-fitted with no protruding edges on the shaft. Made of steel, it effectively protects the shaft from mishits. The stabilisation collar fitted all the way around the underside of the hammer head also secures the head–shaft connection against the effects of leverage.
- Hickory shaft:
- This can withstand three- to four-times more stress than standard ash shafts, because the longfibre wooden structure keeps the shaft in one piece even when damaged or broken. Vibration-damping, extremely bend-resistant and long-lasting.

Characteristics

- Head DIN 6475
- Shaft DIN 5135

Technical Data

Shaft	Hickory
Norms	Sledge hammer

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Secutec Sledge Hammer	1250 g	270 mm	43 mm	43 mm	100 mm	1	244647

AGR: 03.901

Secutec Joiners Hammer

- SecuTec® hammers bring supreme safety to the segment of hammers featuring wooden shafts. hickory wood with long fi bres, a robust shaft collar and the patented wedge bolt (de-Gm 20 2012 001 634.2) provide outstanding protection by preventing hammer heads from flying off and shafts from breaking. on top of that are the ergonomic benefi ts of the vibration-damping hickory shaft in conjunction with exclusive steel quality and maximum safety – a typical quality product made by PICARD
- -----
- Head:



INTERNAL/Approved (2019-03-22 17:30:18)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

3

- Forged in the die using PICARD special steel and therefore quenched to a greater extent than that required by DIN standards. Tempered and painted black. Safety system with no protruding parts
- Wedge bolt:
  - The ring wedge, countersunk head and bolt thread are combined in one single component. This minimises tolerances and increases stability. The diameter of the wedge bolt is larger than that of the DIN eye. This simple yet ingenious solution prevents the hammer head from flying off.
- Peen:
- Finely polished and tempered. Through a combination of special steel and 150 years of production experience, the peen keeps its shape even after long and intensive use
- Face:
  - Convex polished with durable bevel for safe working with no fractures, even when hitting hard edges or mishitting the hammer
- Protective sleeve on the shaft:
  - Form-fitted with no protruding edges on the shaft. Made of steel, it effectively protects the shaft from mishits. The stabilisation collar fitted all the way around the underside of the hammer head also secures the head–shaft connection against the effects of leverage.
- Hickory shaft:
  - This can withstand three- to four-times more stress than standard ash shafts, because the longfibre wooden structure keeps the shaft in one piece even when damaged or broken. Vibration-damping, extremely bend-resistant and long-lasting.

Characteristics

- Head DIN 5109
- Shaft DIN 5111

Technical Data

Shaft	Hickory
Norms	Claw hammer

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Secutec Joiners Hammer	230 g	290 mm	22 mm	20 mm	100 mm	1	244645
Secutec Joiners Hammer	450 g	330 mm	28 mm	25 mm	118 mm	1	244646

AGR: 03.900

INTERNAL/Approved (2019-03-22 17:30:20)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Locksmith's Hammer MaxxCraft

- Special patented rubber connection between handle and head
  - Reduced noise and rebound
  - Full impact onto the workpiece
  - Fatigue-free working
- Large protective handle sleeve with rubber coating



Technical Data

Shaft	Hickory
Norms	Engineer's hammer DIN 1041

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Locksmith's Hammer MaxxCraft	300 g	300 mm	23 mm	23 mm	105 mm	1	336377
Locksmith's Hammer MaxxCraft	500 g	320 mm	27 mm	27 mm	118 mm	1	336376
Locksmith's Hammer MaxxCraft	800 g	350 mm	33 mm	33 mm	130 mm	1	336375
Locksmith's Hammer MaxxCraft	1000 g	360 mm	36 mm	36 mm	135 mm	1	336374

AGR: 03.901

Plastic Hammer

- Exercise and damage on soft surfaces such as Metal or plastic is avoided when editing
- High quality, robust plastic inserts



Application Area

- Gentle edit of different materials

Technical Data

Shaft	Ash
-------	-----

Title	Ø head	Head Weight	PU Piece	Article No.
Plastic Hammer	22 mm	140 g	1	244612
Plastic Hammer	27 mm	235 g	1	244613
Plastic Hammer	32 mm	350 g	1	244614
Plastic Hammer	35 mm	440 g	1	244615
Plastic Hammer	40 mm	630 g	1	244616
Plastic Hammer	50 mm	980 g	1	244617

AGR: 03.902

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Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Spare Parts	PU Amount	Article No.
Plastic Spare Head Ø 27 mm	1	339215
Plastic Spare Head Ø 32 mm	1	339214
Plastic Spare Head Ø 35 mm	1	339213
Plastic Spare Head Ø 40 mm	1	339212
Plastic Spare Head Ø 50 mm	1	339211

3
 **Nylon Hammer**

- The advantage of this tool is that it transfers, in contrast to rubber hammer impact force, but the material of the to be positioned steel or metal workpiece is not damaged, which would be the case with a hammer with steel head
- Nylon head - Nylon is high resistance
- Soft material
- Ring wedge
- Europe, moisture controlled ash handle



**Application Area**

- Positioning and alignment of machines or assembled workpieces
- Editing soft metals

**Technical Data**

Shaft	Ash
-------	-----

Title	Ø head	Total Weight	Length	PU Piece	Article No.
Nylon Hammer	32 mm	350 g	285 mm	1	244618
Nylon Hammer	40 mm	580 g	310 mm	1	244620
Nylon Hammer	50 mm	900 g	340 mm	1	244621

AGR: 03.902

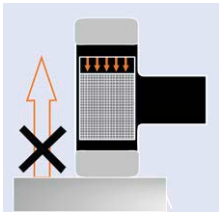
**Nylon Death Blow Hammer**

- The advantage of this tool is that it transfers, in contrast to rubber hammer impact force, but the material of the to be positioned steel or metal workpiece is not damaged, which would be the case with a hammer with steel head.
- The hammer head mass is slight compared to steel shot.



Percussion tools (e.g. hammers, chisels, centre punches, files ...)

- Due to the special filling insert in the hammer head a considerably higher impact is made compared to standard engineers and recoil-less hammer
- That is why the counter pulse triggered by the hammer head is not felt.
- Bouncing blows are avoided.
- Goes easy on one’s joints and tendons
- Each blow is more effective than standard safety hammers
- The hollow hammer head is filled with steel shot. Small steel balls with a high carbon content
- Rubber handle, anti slip and shock resistance



3

Application Area

- Positioning and alignment of machines or assembled workpieces
- Editing soft metals

Technical Data

Shaft Steel pipe

Title	Ø head	Total Weight	Length	PU Piece	Article No.
Nylon Death Blow Hammer	30 mm	600 g	290 mm	1	244622
Nylon Death Blow Hammer	35 mm	700 g	295 mm	1	244623
Nylon Death Blow Hammer	40 mm	800 g	300 mm	1	244624
Nylon Death Blow Hammer	50 mm	1005 g	310 mm	1	244625
Nylon Death Blow Hammer	60 mm	1800 g	335 mm	1	244626

AGR: 03.902

Martello Antirimbalzo 5 Kg

- By special granules in the hammer head of the hammer is recoil-less, therefore very easy on the joints
- Secure impinging on the material to be processed and no recoil of the hammer
- The plastic coating the surface of the material to be machined is not violated
- A bustle of sheets and splitting of wooden beams is avoided
- Due to the special filling insert in the hammer head a considerably higher impact is made compared to standard engineers and recoil-less hammer
- Bouncing Blows are avoided
- 2 component shaft



INTERNAL/Approved (2019-03-22 17:30:48)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Application Area

- Suitable for mounting and dismounting of tires, bearings, bearing shells or axle parts as well as for clean adjustment of pipes, beams, props and formwork lungs

Technical Data

Shaft Fiberglass

Title	Total Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Death Blow Hammer 5000g	5000 g	900 mm	100 mm	100 mm	170 mm	1	244628

AGR: 03.902

Sledge Hammer soft Supercraft

- Head filled with cast iron shot
  - Reduced rebound
  - Powerful impact without vibration
  - Fatigue-free working
- Aluminium wedge and safety pin
  - Completely robot welded
  - Very safe handle-to-head connection
- Nylon inserts
  - Reduced noise level
  - Very high impact
  - Hard, extra durable
  - Replaceable



Application Area

- Hall construction, steel construction, concrete formwork, scaffold construction, fence construction, straightening work, maintenance work

Technical Data

Shaft Hickory

Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
Sledge Hammer soft Supercraft	80 mm	4 kg	880 mm	200 mm	1	336373
Sledge Hammer soft Supercraft	100 mm	7 kg	1000 mm	210 mm	1	362799
Sledge Hammer soft Supercraft	100 mm	10 kg	1000 mm	300 mm	1	362800

AGR: 03.902

INTERNAL/Approved (2019-03-22 17:30:52)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Spare Parts

	PU Amount	Article No.
Nylon Insert Supercraft Ø 100 mm	1	362891
Nylon Insert Supercraft Ø 80 mm	1	362890
Shaft for Supercraft Ø 100 mm	1	362893
Shaft for Supercraft Ø 80 mm	1	362892

Rubber Hammer Black

- With light curved surface

Application Area

- Rubber hammers are mainly used to determine strike sensitive components or fit and not harming them here, so for example the hard hitting of fittings or locks in doors, the fitting of thin wood panels on furniture, sheets for the automobile and plasterboard drywall.

Characteristics

- DIN 5128

Technical Data

Shaft	Ash
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Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
Rubber Hammer Black	40 mm	240 g	260 mm	80 mm	1	244629
Rubber Hammer Black	55 mm	480 g	320 mm	90 mm	1	244630
Rubber Hammer Black	65 mm	680 g	360 mm	115 mm	1	244631
Rubber Hammer Black	90 mm	1500 g	380 mm	140 mm	1	244632

AGR: 03.902

Rubber Hammer White

- With light curved surface

Application Area

- Rubber hammers are mainly used to determine strike sensitive components or fit and not harming them here, so for example the hard hitting of fittings or locks in doors, the fitting of thin wood panels on furniture, sheets for the automobile and plasterboard drywall



3



Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Characteristics

- DIN 5128

Technical Data

Shaft	Ash
Norms	Rubber hammer

Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
Rubber Hammer White	55 mm	480 g	320 mm	90 mm	1	363354
Rubber Hammer White	75 mm	955 g	355 mm	110 mm	1	244633

AGR: 03.902

Simplex-Rubber Hammer

- Firmly fixed handle and heads
- Handle, body and caps can be easily and quickly changed
- 2 plastic hammers by combination



Application Area

- Assembling / repair operations at vehicles, camber correction operations, repair/maintenance operations, part installation, body assembling, farming vechiles meintance / farming operations

Scope Of Delivery

- Simplex-rubber hammer, iron casting body, wooden handle rubber composition, black/Super plastic, white

Title	Ø head	Total Weight	Length	PU Piece	Article No.
Simplex-Plastic Hammer	40 mm	635 g	330 mm	1	053868
Simplex-Plastic Hammer	50 mm	1140 g	350 mm	1	053867
Simplex-Plastic Hammer	60 mm	1530 g	405 mm	1	053866
Simplex-Plastic Hammer	80 mm	2900 g	490 mm	1	053865

AGR: 03.902

INTERNAL/Approved (2019-03-22 17:31:03)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Spare Parts	PU Piece	Article No.
Rubber Cap Black, 40 mm	1	053858
Rubber Cap Black, 50 mm	1	053859
Rubber Cap Black, 60 mm	1	053860
Rubber Cap Black, 80 mm	1	053853
Plastic Cap, Red, 40 mm	1	053855
Plastic Cap, Red, 50 mm	1	053854
Plastic Cap, Red, 80 mm	1	053857
Super Plastic Cap, White, 40 mm	1	053863
Super Plastic Cap, White, 50 mm	1	053862
Super Plastic Cap, White, 60 mm	1	053861
Super Plastic Cap, White, 80 mm	1	053873
Iron Casting Body 40 mm	1	053871
Iron Casting Body 50 mm	1	053870
Iron Casting Body 60 mm	1	053869
Iron Casting Body 80 mm	1	053856
Plastic Hammer Shaft 40 mm	1	053852
Plastic Hammer Shaft 50 mm	1	053851
Plastic Hammer Shaft 60 mm	1	053850
Plastic Hammer Shaft 80 mm	1	053849

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Simplex Rubber Hammer- Rubber Cap

Application Area

- Paving, curbstone setting, set Scaffolding Gardening / Landscaping, plan blocks, prefabricated houses, carpentry, fencing, drywall

Characteristics

- Medium-hard

Technical Data

Material		Rubber	
Title	Ø head	PU Piece	Article No.
Rubber Cap Black, 40 mm	40 mm	1	053858
Rubber Cap Black, 50 mm	50 mm	1	053859
Rubber Cap Black, 60 mm	60 mm	1	053860
Rubber Cap Black, 80 mm	80 mm	1	053853

AGR: 03.902



Simplex Plastic Hammer-Plastic Cap

Application Area

- Set stone blocks, scaffolding, sheet metal work

Characteristics

- Hard

Technical Data

Material		Plastic	
Title	Ø head	PU Piece	Article No.
Plastic Cap, Red, 40 mm	40 mm	1	053855
Plastic Cap, Red, 50 mm	50 mm	1	053854
Plastic Cap, Red, 80 mm	60 mm	1	053857

AGR: 03.902



Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Simplpex Plastic Hammer- Super Plastic Cap

Application Area

- Camber correction operations, assembling / repair operations at vehicles, body shell operations, sharp edged parts assembling

Characteristics

- Medium-hard
- Very durable
- Wear-resistant



Title	Ø head	PU Piece	Article No.
Super Plastic Cap, White, 40 mm	40 mm	1	053863
Super Plastic Cap, White, 50 mm	50 mm	1	053862
Super Plastic Cap, White, 60 mm	60 mm	1	053861
Super Plastic Cap, White, 80 mm	80 mm	1	053873

AGR: 03.902

Simplex hammer iron casing

Technical Data

Material	Cast iron
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Title	Ø head	PU Piece	Article No.
Cast iron housing 30 mm	30 mm	1	362777
Iron Casting Body 40 mm	40 mm	1	053871
Iron Casting Body 50 mm	50 mm	1	053870
Iron Casting Body 60 mm	60 mm	1	053869
Iron Casting Body 80 mm	80 mm	1	053856

AGR: 03.902 / 03.908



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Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Wood handle for soft hammer



Technical Data

Shaft	Wood
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Title	Length	PU Piece	Article No.
Plastic Hammer Shaft 40 mm	40 mm	1	053852
Plastic Hammer Shaft 50 mm	50 mm	1	053851
Plastic Hammer Shaft 60 mm	60 mm	1	053850
Plastic Hammer Shaft 80 mm	80 mm	1	053849
Wood hammer handle	260 mm	1	362778

AGR: 03.902 / 03.908

Simplex Soft Hammer TPE

- Two different soft-face inserts in one hammer
  - No marking on the surface you work on
- Patented head with one screw
  - Quick change of inserts
- Blue insert: TPE soft
- Grey insert: TPE medium
- TPE = Thermoplastic elastomers



Application Area

- Natural stone setting, drywall construction, furniture assembly, window and door construction, joiner’s work, floor tiling

Technical Data

Housing	Cast iron
---------	-----------

Title	Ø head	Total Weight	PU Piece	Article No.
Simplex Soft Hammer TPE	30 mm	340 g	1	336368
Simplex Soft Hammer TPE	40 mm	620 g	1	336369
Simplex Soft Hammer TPE	50 mm	1060 g	1	336370
Simplex Soft Hammer TPE	60 mm	1460 g	1	336371

AGR: 03.902

INTERNAL/Approved (2019-03-22 17:31:52)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Spare Parts

	PU Amount	Article No.
Iron Casting Body 40 mm	1	053871
Iron Casting Body 50 mm	1	053870
Iron Casting Body 60 mm	1	053869
Cast iron housing Ø 30 mm	1	362777
Plastic Hammer Shaft 40 mm	1	053852
Plastic Hammer Shaft 50 mm	1	053851
Plastic Hammer Shaft 60 mm	1	053850
Wood hammer handle 30 mm	1	362778
Simplex TPE insert blue Ø 30 mm	1	362783
Simplex TPE insert blue Ø 40 mm	1	362784
Simplex TPE insert blue Ø 50 mm	1	362785
Simplex TPE insert blue Ø 60 mm	1	362786
Simplex TPE insert grey Ø 30 mm	1	362779
Simplex TPE insert grey Ø 40 mm	1	362780
Simplex TPE insert grey Ø 50 mm	1	362781
Simplex TPE insert grey Ø 60 mm	1	362782

Simplex hammer TPE insert

- For very delicate material
  - Non damaging and no marking
- TPE = Thermo Plastic Elastomer

Title	Ø head	Color	PU Piece	Article No.
Simplex TPE insert	30 mm	Blue	1	362783
Simplex TPE insert	40 mm	Blue	1	362784
Simplex TPE insert	50 mm	Blue	1	362785
Simplex TPE insert	60 mm	Blue	1	362786
Simplex TPE insert	30 mm	Grey	1	362779
Simplex TPE insert	40 mm	Grey	1	362780
Simplex TPE insert	50 mm	Grey	1	362781
Simplex TPE insert	60 mm	Grey	1	362782

AGR: 03.908



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Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Simplex Soft Face Hammer ALU

- Oversized inserts
  - Maximum protection for the precise treatment of workpieces with sensitive surfaces
- Blue insert, TPE
  - Soft
  - No marking
- White insert, Superplastic
  - Medium hard
  - Very durable
  - Wear-resistant



Application Area

- Positioning of light, sensitive workpieces, furniture assembly, joiners

Technical Data

Shaft	Wood
Housing	Aluminium

Title	Ø head	Total Weight	PU Piece	Article No.
Simplex Soft Face Hammer ALU	50 mm	420 g	1	336367

AGR: 03.902

Spare Parts

	PU Amount	Article No.
ALU Housing for Ø 50:40	1	362791
Plastic Hammer Shaft 40 mm	1	053852
Super Plastic Insert White Ø 50:40 mm	1	362792
Simplex TPE insert blue Ø 50:40	1	362790

INTERNAL/Approved (2019-03-22 17:32:15)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Soft Face Hammer SECURAL

- Steel shot in the head
  - Full impact on the workpiece
- Square head
  - Perfect for working on corners or edges
- One piece welded steel housing with rubber handle
  - Highly robust
- Medium hard rectangular yellow polyurethane insert
  - Noise reduction
  - Impact cushion
  - Wear resistant



3

Application Area

- Parquet and laminate flooring, window and door construction, drywall construction, furniture assembly, joiner’s work

Title	Total Weight	Height Of Head (k)	Head Width	PU Piece	Article No.
Soft Face Hammer SECURAL	680 g	40 mm	30 mm	1	336372

AGR: 03.902

Spare Parts

	PU Amount	Article No.
Secural Plastic Insert 30x40 mm	1	362787

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Align and Monting Knock

- Helpful to adjust bearings or sealings
  - To align housings
  - Remove bolts
- Nylon white hard insert
  - Very wear-resistant
  - No chipping
  - O
  - il and grease resistant



3 Application Area

- Also usable as a punch, joining of workpieces, housing assembly, insert sealing or bearing

Title	Ø head	Total Weight	PU Piece	Article No.
Align and Monting Knock	30 mm	470 g	1	336365
Align and Monting Knock	50 mm	1250 g	1	336366

AGR: 03.902

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Mason’s Hammer with Handle

Characteristics

- With a groove for the pin
- Wooden handle

Technical Data

Shaft	Wood
-------	------



3

Title	PU Piece	Article No.
436521 MASONRY HAMMR W. HANDLE	1	103406
AGR: 03.904		

Chipping Hammer

- 2in1 - chisels and hammers without retooling
- Knock-handed chisselling, slots or plaster
- Simple and rapid increase of slots
- Reduces the risk of injury, as no holding of chisel necessary
- With 2K Handle

Technical Data

Shaft	Steel pipe
-------	------------



INTERNAL/Approved (2019-03-22 17:32:32)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)



Title	Ø head	Head Weight	Total Weight	Length	Head Length	PU Piece	Article No.
Chipping Hammer	35 mm	600 g	847 g	260 mm	115 mm	1	244655

AGR: 03.901

Tooth Axe

- Innovative cutting geometry
- Teeth break through at the first impact surface
- 100% Higher utilization of power compared to regular Plasterer’s hatchet
- Fatigue and strength that working
- No slipping on the surface
- Steel Pipe shaft
- 2 component rubber handle anti slip and vibration absorbing



Technical Data

ShaftSteel pipe

Title	Total Weight	Length	Height Of Head (k)	Head Length	PU Piece	Article No.
Tooth Axe	851 g	320 mm	69 mm	180 mm	1	244654

AGR: 03.903

Tile Hammer Ergo

- With carbide tip
- 2K plastic handle with soft rubber grip
- Complete plastic sheath = head + stem from one piece
- Extreme stability
- Soft rubber prevents damage and slipping
- Ergonomically with good balance
- Eyelet on the stem end



INTERNAL/Approved (2019-03-22 17:32:34)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Title	Total Weight	Length	Height Of Head (k)	Head Length	PU Piece	Article No.
Tile Hammer Ergo	165 g	265 mm	12 mm	100 mm	1	244656

AGR: 03.901

Copper Hammer

- Head is made of the metal copper
- Unlike conventional hammers made of steel can while hammering a Cooper hammer- about to stone - no sparks. Therefore, the copper hammer is standard equipment of the fire fighter, as thus also inserts in hazardous areas are possible
- Copper hammers are used in industry because of their softness
- Workpieces or tools made of steel so can not be inadvertently deformed or damaged by the hammer bit
- No sparks

Application Area

- Use where flying sparks have to be avoided

Technical Data

ShaftAsh

Title	Head Weight	Length	Height Of Head (k)	Head Width	Head Length	PU Piece	Article No.
Copper Hammer	500 g	310 mm	27 mm	27 mm	82 mm	1	363353
Copper Hammer	1000 g	260 mm	35 mm	35 mm	100 mm	1	244639
Copper Hammer	2000 g	300 mm	50 mm	50 mm	100 mm	1	244640

AGR: 03.909

Wood Hammer

- Also used as right or positioning with hammer
- Material to be processed is not damaged
- Head made of beech wood
- Europe, moisture controlled Ash handle
- Ferrule around the head

Characteristics

- DIN 7462 B

Technical Data

ShaftAsh



INTERNAL/Approved (2019-03-22 17:32:38)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Title	Ø head	Head Weight	Length	Head Length	PU Piece	Article No.
Wood Hammer	60 mm	250 g	300 mm	120 mm	1	244637
Wood Hammer	80 mm	550 g	360 mm	160 mm	1	244638

AGR: 03.909

Welding Hammer

Application Area

- Welding hammer (also chipping hammer) for removing the slag during manual metal arc welding

Technical Data

Shaft	Steel pipe
-------	------------



Title	Total Weight	Length	Head Length	PU Piece	Article No.
Welding Hammer	340 g	295 mm	160 mm	1	244636

AGR: 03.909

Plastic Handle

Technical Data

Shaft	Fiberglass
-------	------------



Title	Length	For Individual Head Weight, To	PU Piece	Article No.
PVC Hammer Handle	250 mm	200 g	1	306851
PVC Hammer Handle	290 mm	300 g	1	306991
PVC Hammer Handle	300 mm	400 g	1	307009
PVC Hammer Handle	310 mm	500 g	1	307017
PVC Hammer Handle	320 mm	800 g	1	307025
PVC Hammer Handle	320 mm	1500 g	1	307041
PVC Hammer Handle	320 mm	2000 g	1	307050
PVC Hammer Handle	350 mm	1000 g	1	307033

AGR: 03.908

INTERNAL/Approved (2019-03-22 17:32:42)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Hammer Handle Wood

- DIN 5111
- European grown Ash
- 2 grip zone

Application Area

- Spare wood handle for Hammer

Hints

- Don't forget ring wedge and shaft protection

Technical Data

Shaft Ash

Title	Length	For Individual Head Weight, To	PU Piece	Article No.
Hammer Handle 100 g	260 mm	100 g	1	249717
Hammer Handle 200 g	280 mm	200 g	1	249655
Hammer Handle 300 g	300 mm	320 g	1	249656
Hammer Handle 400 g	310 mm	400 g	1	249657
Hammer Handle 500 g	320 mm	500 g	1	249658
Hammer Handle 600 g	330 mm	600 g	1	249659
Hammer Handle 800 g	350 mm	800 g	1	249660
Hammer Handle 1000	360 mm	1000 g	1	249661
Hammer Handle 1500 g	380 mm	1500 g	1	249662
Hammer Handle 2000 g	400 mm	2000 g	1	249663

AGR: 03.908

INTERNAL/Approved (2019-03-22 17:33:02)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Wooden Sladge Hammer Handle

- According to DIN 5135
- Out of european ash

Application Area

- Spare handle for club hammer

Hints

- Do not forget the ring wedge

Technical Data

Shaft Ash



Title	Length	For Individual Head Weight, To	PU Piece	Article No.
Sledge Hammer Handle 1000 g	260 mm	1250 g	1	249664
Sledge Hammer Handle 1500 g	280 mm	1500 g	1	249665
Sledge Hammer Handle 2000 g	300 mm	2000 g	1	249666
Sledge Hammer Handle 3000 g	600 mm	3000 g	1	249667
Sledge Hammer Handle 5000 g	800 mm	5000 g	1	249668

AGR: 03.908

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Wood Sledge Hammer Handle L

- According to DIN 5115
- Out of european ash

Application Area

- Spare handle for sledghammer

Hints

- Do not forget the ring wedge

Technical Data

Shaft Ash

Title	Length	For Individual Head Weight, To	PU Piece	Article No.
Wood Sledge Hammer Handle 1,5 Kg	600 mm	1500 g	1	249670
Wood Sledge Hammer Handle 2 Kg	600 mm	2000 g	1	249671
Wood Sledge Hammer Handle 3 Kg	900 mm	3000 g	1	249672
Wood Sledge Hammer Handle 5 Kg	900 mm	5000 g	1	249673
Wood Sledge Hammer Handle 10 Kg	900 mm	10000 g	1	249674

AGR: 03.908

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Simplex hammer fiberglass handle

- Fiberglass handle with rubber grip
  - In combination with the reinforced cast steel housing applicable for extremely strong strikes
  - Very robust and durable, high resistance to breakage
  - Ergonomic, anti-slip grip
  - Inorganic (not sensitive to humidity)
  - Smooth surface



Hints

- 3
- Fiberglass handles should be mounted in the reinforced cast steel housing only!

Technical Data

ShaftFiberglass

Title	Length	PU Piece	Article No.
Simplex Fiberglass Handle Ø 30 mm	260 mm	1	362923
Simplex Fiberglass Handle Ø 40 mm	267 mm	1	362924

AGR: 03.908

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Ring Wedge

- Safe and firm fit of the wooden handle in the hammer head
- No “splitting” of the steel
- Even circular distribution of the tension
- 2 levels for a secure hold
- For mechanist’s hammer, club hammer and sledgehammer with a DIN eye



Application Area

- Inserting a wooden handle into the hammer head

Title	for head weight	PU Piece	Article No.
Ring Wedge Hammer 100 g	100 g	1	249675
Ring Wedge Hammer 200 g	200 g	1	249676
Ring Wedge Hammer 300 g	300 g	1	249677
Ring Wedge Hammer 400 g	400 g	1	249678
Ring Wedge Hammer 500 g	500 g	1	249679
Ring Wedge Hammer 600 g	600 g	1	249680
Ring Wedge Hammer 1000 g	1000 g	1	249682
Ring Wedge Hammer 1500 g	1500 g	1	249683
Ring Wedge Hammer 2000 g	2000 g	1	249684
Ring Wedge Sledge Hammer 3 Kg	3000 g	1	249687
Ring Wedge Sledge Hammer L 5 Kg	5000 g	1	249693
Ring Wedge Sledge Hammer L 10 Kg	10000 g	1	249694

AGR: 03.908

INTERNAL/Approved (2019-03-22 17:33:27)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Handle Protection Hammer

- Protects the handle for unintentional missed hits

Application Area

- For mechanist's hammer and joiner's hammer

Title	for head weight	PU Piece	Article No.
Handle Protection Hammer	100 g	1	249695
Handle Protection Hammer	200 g	1	249696
Handle Protection Hammer	300 g	1	249697
Handle Protection Hammer	400 g	1	249698
Handle Protection Hammer	800 g	1	249702
Handle Protection Hammer	1000 g	1	249703
Handle Protection Hammer	1500 g	1	249704
Handle Protection Hammer	2000 g	1	249705

AGR: 03.908



Plasterer's Axe

Characteristics

- Tubular steel shaft with a plastic grip, TÜV/GS symbols

Technical Data

Shaft	Steel pipe
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Title	Total Weight	PU Piece	Article No.
Plasterer's Axe	600 g	1	106331

AGR: 03.903

INTERNAL/Approved (2019-03-22 17:33:31)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Ferroplex 2 in 1 Hammer

- Two in one hammer
  - Hammer head made of heat-treated steel, one side induction hardened, other side with replaceable nylon insert
- Steel tube handle and ergonomic rubber grip
- Nylon white insert
  - Hard, very wear-resistant
  - No chipping
  - Noise-dampening
  - Very high impact



Application Area

- Mounting work in industry, crafts, maintenance and repair work, joining of workpieces, housing assembly, overhaul work

Technical Data

Shaft Steel pipe

Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
Ferroplex 2in1	30 mm	600 g	290 mm	104 mm	1	362883
Ferroplex 2in1	35 mm	800 g	295 mm	104 mm	1	362884

AGR: 03.902

Spare Parts

	PU Amount	Article No.
Nylon Insert Ferroplex Ø 30 mm	1	362885
Nylon Insert Ferroplex Ø 35 mm	1	362886

INTERNAL/Approved (2019-03-22 17:33:41)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Simplex copper insert

- Very high impact
- Including plastic socket

Hints

- Copper inserts must only be mounted into reinforced cast steel housings.

Technical Data

Material		Copper		
Title	Ø head	PU Piece	Article No.	
Simplex Copper Insert	30 mm	1	362917	
Simplex Copper Insert	40 mm	1	362918	

AGR: 03.908



Roofing Hammer Steel Pipe 298

- With magnetic nail holder
- For highest demands
- Hammer head fine bright
- Chrome molybdenum steel tube handle
- Claw and tip particularly hardened
- With high eye
- Brown special handle
- Original 298
- DIN 7239

Technical Data

Shaft	Steel pipe		
Norms	Roofing hammer		

Title	Head Weight	Length	Head Length	PU Piece	Article No.
Roofing Hammer 298, rough	600 g	330 mm	165 mm	1	362789
Roofing Hammer 298, smooth	600 g	330 mm	165 mm	1	362788

AGR: 03.900



INTERNAL/Approved (2019-03-22 17:33:45)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Simplex Copper/ALU Hammer

- 2 hammers in one
  - Always the right soft insert to protect the material
  - Save time and space
- No damaging from steel workpieces
- High durable fiberglass handle
- Copper insert with plastic socket
  - Hard
- Soft metal silver insert
  - Hard
  - Heat-resistant



3

Application Area

- Straightening work, sheet-metal working, assembly and repair work in the automotive and truck sector

Technical Data

Shaft	Fiberglass
Housing	Reinforced cast steel

Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
Simplex Copper/ALU hammer	30 mm	590 g	300 mm	90 mm	1	362915
Simplex Copper/ALU hammer	40 mm	1195 g	330 mm	110 mm	1	362916

AGR: 03.902

Spare Parts

	PU Amount	Article No.
Simplex ALU Insert Ø 30 mm	1	362919
Simplex ALU Insert Ø 40 mm	1	362920
Simplex Copper Insert Ø 30 mm	1	362917
Simplex Copper Insert Ø 40 mm	1	362918
Simplex Fiberglass Handle Ø 30 mm	1	362923
Simplex Fiberglass Handle Ø 40 mm	1	362924
Reinforced cast steel housing Ø 30 mm	1	362921
Reinforced cast steel housing Ø 40 mm	1	362922

INTERNAL/Approved (2019-03-22 17:33:54)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

**Nylon Insert Supercraft**

- Inserts made from special nylon
  - Excellent impact quality
  - Very high durability
  - No chipping, even at temperatures below zero



**Technical Data**

Material	Nylon		
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Title	Ø head	PU Piece	Article No.
Nylon Insert Supercraft	40 mm	1	362894
Nylon Insert Supercraft	50 mm	1	362895
Nylon Insert Supercraft	60 mm	1	362896
Nylon Insert Supercraft	80 mm	1	362890
Nylon Insert Supercraft	100 mm	1	362891

AGR: 03.908

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Baseplex Soft Face Hammer

- Two in one hammer, always the right soft face hammer with you
  - One side with nylon insert
  - One side with cellulose acetate insert
- Nylon white insert
  - Hard, very wear-resistant
  - No chipping
  - Oil and grease resistant
- Cellulose acetate blue insert
  - Hard
  - Oil and grease resistant



3

Application Area

- Exhibition stand construction, sheet-metal working, assembly and repair work in the automotive and truck sector, maintenance

Technical Data

Shaft	Wood
Housing	Zinc die casting

Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
Baseplex Soft Face hammer	25 mm	215 g	270 mm	86 mm	1	362925
Baseplex Soft Face hammer	30 mm	360 g	280 mm	95 mm	1	362926
Baseplex Soft Face hammer	40 mm	510 g	325 mm	107 mm	1	362927
Baseplex Soft Face hammer	50 mm	940 g	340 mm	115 mm	1	362928

AGR: 03.902

Spare Parts	PU Amount	Article No.
Handle Baseplex Hammer Ø 25/30 mm	1	362929
Handle Baseplex Hammer Ø 40/50 mm	1	362930
Nylon Insert Baseplex Ø 25 mm	1	362935
Nylon Insert Baseplex Ø 30 mm	1	362936
Nylon Insert Baseplex Ø 40 mm	1	362937
Nylon Insert Baseplex Ø 50 mm	1	362938
Baseplex blue plastic insert Ø 25 mm	1	362931
Baseplex blue plastic insert Ø 30 mm	1	362932
Baseplex blue plastic insert Ø 40 mm	1	362933
Baseplex blue plastic insert Ø 50 mm	1	362934

INTERNAL/Approved (2019-03-22 17:34:05)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

SuperCraft Soft Face Hammer

- Head filled with steel shot
  - Energy of the shot transferred with a slight delay
- Reduced rebound
  - Extremely powerful impact without vibration
- Reduced noise level
- Completely robot-welded handle
  - Break-proof
  - Flexible fiberglass core coated with an ergonomic polypropylene layer and an elastomer layer
- Hard nylon inserts
  - Very wear resistant, no chipping
  - Noise dampening
  - Very high impact



Application Area

- Positioning and joining of workpieces, straightening work, housing assembly, maintenance, repair and overhaul work, assembly and repair work in the automotive and truck sector

Technical Data

Shaft Fiberglass

Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
SuperCraft Soft Face	40 mm	790 g	370 mm	116 mm	1	362897
SuperCraft Soft Face	50 mm	1040 g	380 mm	120 mm	1	362898
SuperCraft Soft Face	60 mm	1625 g	390 mm	145 mm	1	362899

AGR: 03.902

Spare Parts

	PU Amount	Article No.
Nylon Insert Supercraft Ø 40 mm	1	362894
Nylon Insert Supercraft Ø 50 mm	1	362895
Nylon Insert Supercraft Ø 60 mm	1	362896

INTERNAL/Approved (2019-03-22 17:34:07)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Superplastic white insert 50:40

- Medium hard white insert

Title	Ø head	PU Piece	Article No.
Super Plastic Insert White Ø 50:40 mm	50 mm	1	362792

AGR: 03.908



BlackCraft Soft Face Hammer

- Head filled with steel shot
  - Delayed full impact
  - Reduced rebound
  - Extremely powerful impact without vibration
- Reduced noise level
- Hammer head integrated in a robust fully covering polyurethane coating
  - Protection of the workpiece
  - Scratch and spark prevention
  - High corrosion protection
- Steel tube handle with full polyurethane coating and ergonomic rubber grip



3

Application Area

- Assembly and repair work in the automotive and truck sector, car body work, dent removal, positioning and adjusting of workpieces, maintenance, repair and overhaul work

Technical Data

Shaft	Steel pipe
-------	------------

Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
BlackCraft soft face hammer	40 mm	640 g	300 mm	110 mm	1	362887
BlackCraft soft face hammer	50 mm	900 g	310 mm	115 mm	1	362888
BlackCraft soft face hammer	60 mm	1300 g	315 mm	120 mm	1	362889

AGR: 03.902

INTERNAL/Approved (2019-03-22 17:34:16)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

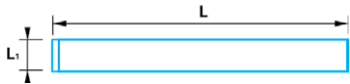
Slotting Chisel

Characteristics

- Out of CV-air hardened special steel, high-alloy, forged, varnished

Technical Data

With Hand Protection No



Title	Blade Width	Length total (mm)	Thickness	PU Piece	Article No.
SLOTING CHIS. 230LX28	26 mm	230 mm	7 mm	1	135532

AGR: 03.910

Electricians Chisel

Characteristics

- Out of Cv-steel, square handle, varnished



Title	Blade Width	Length total (mm)	PU Piece	Article No.
103901 ELECTRICNS CHIS 8MM	8 mm	250 mm	1	753092
103902 ELECTRICNS CHIS 10MM	10 mm	250 mm	1	753106
103903 ELECTRICNS CHIS 12MM	12 mm	250 mm	1	753114
103904 ELECTRICNS CHIS 15MM	15 mm	250 mm	1	753122

AGR: 03.910

Pointed Chisel

Characteristics

- Chrome-vanadium-steel, octagonal shaft, varnished



Title	Length total (mm)	PU Piece	Article No.
5010/10 CV POINTED CHIS.250 MM	250 mm	1	819273
5010/16 CV POINTED CHIS.400 MM	400 mm	1	857053

AGR: 03.910

INTERNAL/Approved (2019-03-22 17:34:21)

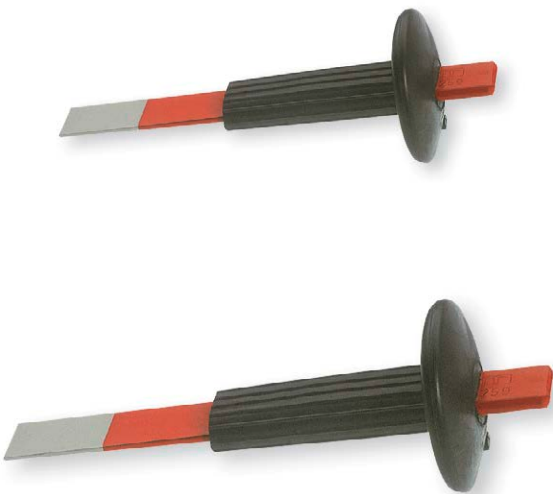
Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Chisel

- With hand protection for secure work

Characteristics

- Extra thin



3

Title	Blade Width	PU Piece	Article No.
259.P FLAT CHISEL	26 mm	1	847313
259 CHISEL	26 mm	1	847306

AGR: 03.410

Sheet Metal Flat Chisel

Characteristics

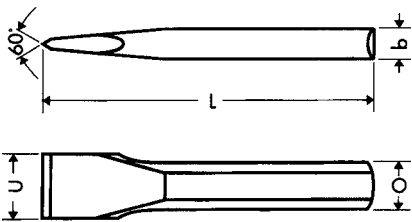
- In acc. with DIN 6453

Hints

- Art. Nos. 68217 and 68225 are not standardized

Technical Data

With Hand Protection	No
Norms	DIN 6453



Title	Blade Width	Length total (mm)	Thickness	PU Piece	Article No.
Sheet Metal Flat Chisel	15 mm	125 mm	9 mm	1	068179
Sheet Metal Flat Chisel	21 mm	175 mm	12 mm	1	068195
Sheet Metal Flat Chisel	24 mm	200 mm	13 mm	1	068209
Sheet Metal Flat Chisel	25 mm	250 mm	13 mm	1	068217
5000/16 CV FLAT CHISEL 400 MM	26 mm	400 mm	13 mm	1	819235

AGR: 03.910

INTERNAL/Approved (2019-03-22 17:34:33)

Striking Tool Set, 6-piece

Scope Of Delivery

- Flat chisel 10 x 120 mm, blade 13 mm
- Flat chisel 12 x 150 mm, blade 15 mm
- Cross-cut chisel 10 x 120 mm, tip 6 mm
- Center punch 10 x 120 mm
- Drift punch 10 x 120 mm, tip 2 mm
- Drift punch 10 x 120 mm, tip 4 mm



3

Title	PU Piece	Article No.
Striking Tool Set, 6-piece	1	068462

AGR: 03.910

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Center Punch in accordance with DIN 7250

Characteristics

- Chrome vanadium steel, octagonal design



Title	Length total (mm)	Shaft Ø	PU Piece	Article No.
Center Punch in accordance with DIN 7250	120 mm	12 mm	1	068390

AGR: 03.912

Automatic Center Punch

Characteristics

- Tips can be exchanged automatically, no need to use a hammer, adjustable release force



Technical Data

With Hand Protection	No
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Title	Length total (mm)	PU Piece	Article No.
Center Punch Tip	32 mm	1	127582
Center Punch	115 mm	1	047260

AGR: 03.912

INTERNAL/Approved (2019-03-22 17:34:44)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Scribers

Characteristics

- With hard metal marking-out tops, scribe case mechanics with aluminium case

Technical Data

Material tip	carbide
--------------	---------

Title	Length	PU Piece	Article No.
Scribe Mechanics Case	150 mm	1	169083
Scriber with Carbide Clip	150 mm	1	169085
DRAWING PIN STEEL CURVED 250MM	250 mm	1	133398

AGR: 03.970

Accessories Available	PU Piece	Article No.
Spars Scribe Mechanics Case (new Eddition)	1	169084



Reamer

Characteristics

- Square, impact-resistant, transparent plastic handle



Title	PU Piece	Article No.
349001 REAMER	1	103407

AGR: 03.929

INTERNAL/Approved (2019-03-22 17:34:51)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Split Pin Driver Set

Characteristics

- Chrom-vanadium-steel
- Varnished
- Shaft with 8 edges
- In plastic box



Title	PU Piece	Article No.
5120 SPLIT PIN DRIV SET 6-PCS	1	068470
AGR: 03.911		
Scope Of Supply	Piece	Article No.
Split Pin Tool 3 mm	1	068411
Split Pin Tool 4 mm	1	068420
Split Pin Tool 5 mm	1	068438
Split Pin Tool 6 mm	1	068446
(98278_15_1_AT01_Splintentreiber7mm)	1	-
Split Pin Tool 8 mm	1	068454

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Split Pin Tool According in accordance with DIN 6450C

Characteristics

- Chrome vanadium steel, set contained in a blue metal box with a suspension eye

Hints

- 175 mm long with an extended tip for locking pins on disc brakes

Scope Of Delivery

- Tip Ø: 3 - 4 - 5 - 6 mm, 4 - 6 mm long



Title	PU Piece	Article No.
Split Pin Tools Set, 6-piece	1	150550
AGR: 03.911		
Scope Of Supply	Piece	Article No.
Split Pin Tool 3 mm	1	068411
Split Pin Tool 4 mm	1	068420
Split Pin Tool 5 mm	1	068438
Split Pin Tool 6 mm	1	068446
(98283_15_1_AT01_Splintentreiber4mmlangmi)	1	-
(98283_16_1_AT01_Splintentreiber6mmlangmi)	1	-
Accessories Available	PU Piece	Article No.
Split Pin Tool 2 mm	1	068403
Split Pin Tool 8 mm	1	068454

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

Split Pin Tool with Hand Guard "Air Grip"

- Comfortable to work with due to the ergonomically designed, soft plastic "Air Grip"
- the impact is dampened after the strike
- Increased safety as the hand is protected

Characteristics

- Surface of the split pin tool is black-finished

Hints

- Art. Nos. 152659 and 152660 with an extended tip for locking pins on disc brakes

Scope Of Delivery

- Tip Ø: 3 - 4 - 5 - 6 - 8 mm



3

Title	PU Piece	Article No.
Split Pin Tools "Air Grip" Set, 5-piece	1	152661

AGR: 03.911

Scope Of Supply	Piece	Article No.
Split Pin Tool "Air Grip" 3 mm	1	152653
Split Pin Tool "Air Grip" 4 mm	1	152654
Split Pin Tool "Air Grip" 5 mm	1	152655
Split Pin Tool "Air Grip" 6 mm	1	152656
Split Pin Tool "Air Grip" 8 mm	1	152657

Accessories Available	PU Piece	Article No.
Split Pin Tool "Air Grip" 2 mm	1	152652
Split Pin Tool "Air Grip" 10 mm	1	152658

INTERNAL/Approved (2019-03-22 17:35:20)

Percussion tools (e.g. hammers, chisels, centre punches, files ...)

**Punch Set Cargo**

**Application Area**

- Removing of rails, centering of punching operation

**Characteristics**

- Alloyed, hardened special Steel, Hex shaft, hardened impact head, can be sharpened



Title	PU Piece	Article No.
Punch Set Cargo, 4-piece	1	165029

AGR: 03.911

3

Workshop Files Set, 4-piece

Characteristics

- With a PVC handle and suspension eyes, cut 2

Title	PU Piece	Article No.
PVC-Handle Workshop File Set	1	279676

AGR: 03.929

Scope Of Supply	Piece	Article No.
Flat-Hand Workshop File 250 mm 7840/2	1	069515
Half-Round Workshop File 250 mm 7840/5	1	069540
Three-Square Workshop File 250 mm 7840/3	1	069523
Round Workshop File 250 mm 7840/6	1	069558



Workshop Files

Characteristics

- With a PVC handle and suspension eyes, cut 2

Technical Data

Grip Material	1 component handle
---------------	--------------------



Title	Length total (mm)	Blade Width	Shaft Ø	PU Piece	Article No.
7840/8 FILE PVC ROUND 200	320 mm	7 mm	6 mm	1	030642
7840/7 FILE PVC TRIANGLE 200	320 mm	14 mm	7 mm	1	030641
Flat-Hand Workshop File	320 mm	20 mm	9 mm	1	069507
Half-Round Workshop File	320 mm	20 mm	10 mm	1	069531
Round Workshop File	370 mm	9.1 mm	9.5 mm	1	069558
Three-Square Workshop File	370 mm	17.5 mm	9.5 mm	1	069523
Half-Round Workshop File	370 mm	25 mm	9 mm	1	069540
Flat-Hand Workshop File	370 mm	25 mm	10 mm	1	069515

AGR: 03.920 / 03.921 / 03.922 / 03.923

INTERNAL/Approved (2019-03-22 17:35:36)

Contact Files

Characteristics

- Flat milled



Title	Length total (mm)	Blade Width	PU Piece	Article No.
9220/1 CONTACT FILE	155 mm	9 mm	1	752851

AGR: 03.923

Brake Caliper File

- No damage to the brake caliper

Application Area

- Clean the brake lining guides on brake caliper

Characteristics

- Flat pattern, rough, oblique stroke, ergonomic PVC handle with hanging loop



Title	Length total (mm)	Blade Width	PU Piece	Article No.
Brake Caliper File	260 mm	16 mm	1	285811

AGR: 03.419

INTERNAL/Approved (2019-03-22 17:35:45)

Brake Caliper File

- Transport of the dissolved material without damage to the outside of the brake caliper
- The 9 mm version is recommended for Japanese cars
- Rough chop Files

Application Area

- Remove brake dust, rust, oxidation and dirt residues on the caliper

Characteristics

- With PVC grip and hanger



Title	Length total (mm)	Blade Width	PU Piece	Article No.
BRAKE CALIPER FILE	270 mm	9 mm	1	121164
BRAKE CALIPER FILE	270 mm	12 mm	1	121163

AGR: 03.419

Special Brake Caliper File

- Milled 4-sided
- Enormous life
- extra narrow
- Rough chop Files
- high removal

Application Area

- Removing brake dust, rust, oxidation and dirt residues on the caliper

Characteristics

- With PVC grip and hanger



Title	Length total (mm)	Blade Width	PU Piece	Article No.
BRAKE CALIPER FILE	270 mm	9 mm	1	121162

AGR: 03.419

File, scrapers, brushes

Thread Restorer

Application Area

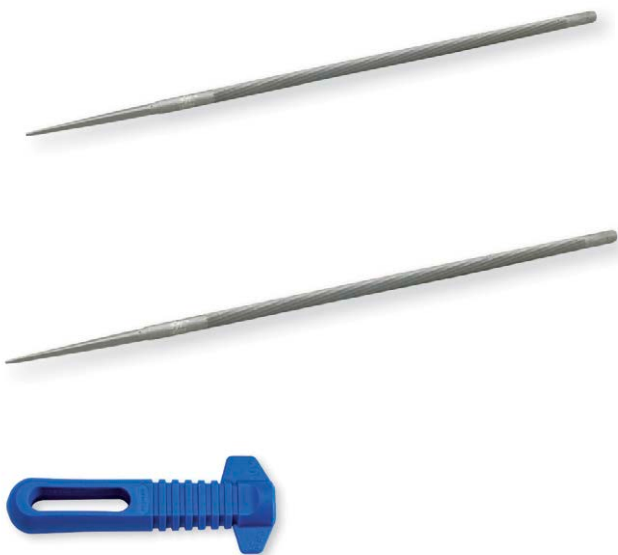
- For repairing damage to exterior or interior threads

Title	Length	PU Piece	Article No.
Thread Restorer	230 mm	1	069922

AGR: 03.929



Chain Saw File



3

Title	Length total (mm)	Shaft Ø	PU Piece	Article No.
CHAIN SAW FILE 200X4.0 MM	200 mm	4 mm	1	108140
CHAIN SAW FILE 200X4.8 MM	200 mm	4.8 mm	1	108141
CHAIN SAW FILE 200X5.5 MM	200 mm	5.5 mm	1	108142

AGR: 03.929

Accessories Available

	PU Piece	Article No.
HANDLE CHAIN SAW FILE	1	128912

INTERNAL/Approved (2019-03-22 17:35:57)

Clamper File Set

Characteristics

- with wooden handles

Scope Of Delivery

- Set includes:
  - 1 piece flat butt
  - one piece flat pointed
  - one piece of half-round
  - one piece round
  - one piece triangular
  - square 1 piece total length per 175 mm
- Delivery in PVC bag

Title	PU Piece	Article No.
B CLAMPER FILE SET 100MM 6T	1	149791

AGR: 03.929



File, scrapers, brushes

Car Body File

- Can be aligned with floor thanks to adjustable length

Application Area

- Can be used after car body welding

Characteristics

- Files in accordance with DIN 7264, Form A and F

Scope Of Delivery

- Body file handle, delivery without file



3

Title	Blade Width	Number of teeth per inch	Shape of blade	PU Piece	Article No.
Car Body File	35 mm	9 T/in	half-round	1	069221
Car Body File	35 mm	9 T/in	angular	1	221856
Car Body File	35 mm	12 T/in	half-round	1	069230
Car Body File	35 mm	12 T/in	angular	1	217638

AGR: 03.403

Related Products

	PU Amount	Article No.
Car Body File Handle 7540	1	069213

INTERNAL/Approved (2019-03-22 17:36:09)

Wood Rasp Half Round

Characteristics

- Shape C, half round, PVC handle, cut 2

Technical Data

Grip Material1 component handle

Title	Length total (mm)	Blade Width	PU Piece	Article No.
Wood Rasp	370 mm	25 mm	1	107823

AGR: 03.924



Wood Rasp Round

Characteristics

- Shape E, round, PVC handle, cut 2

Technical Data

Grip Material1 component handle

Title	Length total (mm)	PU Piece	Article No.
Wood Rasp	250 mm	1	107822

AGR: 03.924



Three-Square Hollow Scraper

Application Area

- For removing seals and sealing materials

Characteristics

- Chrome vanadium steel, ground working surfaces

Technical Data

Grip Material	wooden handle
Retractable blade	No



Title	Length total (mm)	PU Piece	Article No.
Three-Square Hollow Scraping Tool	320 mm	1	066915

AGR: 03.913

Window Scraper

- Does not damage the glass surface, thanks to special point
- Sturdy design
- Rapid and easy changing of blades

Application Area

- Cutting back and removing adhesive material
- Removing stickers from glass

Technical Data

Grip Material	1 component handle
Lock	No
Retractable blade	No



Title	Length total (mm)	Blade Width	PU Piece	Article No.
Blade Scraper	165 mm	40 mm	1	103651

AGR: 03.913

INTERNAL/Approved (2019-03-22 17:36:20)

Glass Scraper

- 2k-doctor blade is simple usable through its soft zone for thumb and index finger
- The blade can be in housing quickly and safe stowed
- The rapid change of blade occurred through a special mechanism
- 2 spare blades can be kept In the housing of doctor blade

Scope Of Delivery

- 3 Blades

Technical Data

Grip Material	1 component handle
Retractable blade	Yes



Title	Length total (mm)	Blade Width	PU Piece	Article No.
GLASS SCRAPER SPEED	105 mm	40 mm	1	110079

AGR: 03.913

INTERNAL/Approved (2019-03-22 17:36:24)

Glass Scraper



Title	PU Piece	Article No.
12247 GLASS SCRAPER	1	807256
77241 BLADES F.SCRAPER 10 PCS	1	891538

AGR: 03.913

Scraper seals

- Ergonomic handle design allows high power transmission
- 2-component handle for optimum handling

Application Area

- Removal of seals and sealing materials

Characteristics

- Accurately ground blade, special steel, stainless



Title	Length total (mm)	Blade Width	PU Piece	Article No.
SEAL SCRAPER	250 mm	24 mm	1	184281

AGR: 03.913

Seal scraper New Line

- With ergonomic handle.

Application Area

- Removal of seals and sealing materials.

Technical Data

Grip Material	2 component handle
Retractable blade	No



Title	Length total (mm)	Blade Width	PU Piece	Article No.
Seal scraper New Line	260 mm	24 mm	1	341498

AGR: 03.913

INTERNAL/Approved (2019-03-22 17:36:34)

Box of Professional Scraping Tools

- No damage to glass and varnished surface, due to special blade edges
- Variety of blade widths for optimal application, therefore no damage to coatings
- Ergonomic arrangement of handle allows a high power transmission

Application Area

- Used for cutting back residual windshield adhesive material
- Used for the removal of residues of sealants and vignettes

Characteristics

- Blades are quick and easy to change

Scope Of Delivery

- 1 tranport box
- 1 handle
- 1 multifunctional blade
  - 5 blades 12 mm
  - 5 blades 16 mm
  - 5 blades 20 mm
  - 5 blades 16 mm/53°
  - 5 trapezoidal blades in trapez –body

Title	Content	PU Piece	Article No.
Box of PU Professional Scraping Tools	27 PC	1	047131
AGR: 03.913			
Scope Of Supply		Amount	Article No.
Professional Scraping Blades Handle		1	088799
Trapeze blade Premium		5	857327
(98298_11_1_AT01_Transportkoffer)		1	-
(98298_12_1_AT01_Handgriff)		1	-
(98298_13_1_AT01_MehrzweckMesser)		1	-
(98298_14_5_AT01_Klingen12mm)		5	-
(98298_15_5_AT01_Klingen16mm)		5	-
(98298_16_5_AT01_Klingen20mm)		5	-
(98298_17_5_AT01_Klingen16mm53)		5	-



Scraping Chisel Set

- Scraper in different versions for every application

Application Area

- For removing underbody protection, seals, rust, dirt

Characteristics

- Fully continuous, Stainless steel blade
- Ergonomic 2-component plastic handle
- Massive, firmly connected with the blade striking cap



Title	PU Piece	Article No.
Scraping Chisel Set, 4-piece	1	157388
AGR: 03.913		
Scope Of Supply	Piece	Article No.
Scraping Chisel Size 1	1	157387
Scraping Chisel Size 2	1	157386
Scraping Chisel Size 3	1	157385
Scraping Chisel Size 4	1	157383

Metalworking Brushes

Application Area

- Metal working

Technical Data

Material	Wood
Stock	Steel smooth



Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Overall Width	PU Piece	Article No.
Steel Wire Brush	0.35 mm	2	290 mm	140 mm	22 mm	1	120156
Steel Wire Brush	0.35 mm	3	290 mm	140 mm	28 mm	1	120157
Steel Wire Brush	0.35 mm	4	290 mm	130 mm	33 mm	1	069965

AGR: 10.471

Wire Brush Stainless Steel

Application Area

- For the derusting of metal surface

Technical Data

Material	Stainless Steel 1.4122
Stock	Special steel smooth



Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Overall Width	PU Piece	Article No.
WIRE PIN 5-RHG STAINLESS	0.35 mm	5	290 mm	130 mm	30 mm	1	173482

AGR: 10.471

File, scrapers, brushes

Metalworking Brushes

Application Area

- Metal working

Technical Data

Material	Wood
Stock	Brass, corrugated



Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Overall Width	PU Piece	Article No.
Steel Wire Brush	0.35 mm	4	290 mm	140 mm	33 mm	1	175777

AGR: 10.471

Metalworking Brushes

Application Area

- Metal working

Technical Data

Material	Wood
Stock	Steel smooth



Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Overall Width	PU Piece	Article No.
Filled Weld Brush	0.35 mm	3	290 mm	135 mm	35 mm	1	186872

AGR: 10.471

INTERNAL/Approved (2019-03-22 17:37:06)

Fillet Brush Stainless Steel

Application Area

- For purifying fillet welds

Technical Data

Material	Wood
Stock	Special steel



Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Overall Width	PU Piece	Article No.
FILLETBRUSH 3-SERIES STAINLESS	0.35 mm	3	290 mm	135 mm	35 mm	1	099905

AGR: 10.471

Fine Brushes

Application Area

- Fine brush work

Technical Data

Material	Wood
Stock	Brass, corrugated



Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Overall Width	PU Piece	Article No.
Spark Plug Brush	0.15 mm	3	150 mm	33 mm	15 mm	1	069744

AGR: 10.471

INTERNAL/Approved (2019-03-22 17:37:11)

Steel Brake caliper brush

Application Area

- Cleaning of brake calipers

Characteristics

- Smooth, extra hard wires in two rows, ergonomic PVC handle with hanging loop

Processing Information

- Do not use on aluminum brake calipers

Technical Data

Material	Polypropylene (PP)
Stock	Steel smooth

Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Overall Width	PU Piece	Article No.
Steel Brake caliper brush	0.35 mm	2	225 mm	90 mm	12 mm	1	200581

AGR: 10.471



Brass Brake Caliper Brush

Application Area

- Cleaning of aluminum brake calipers

Characteristics

- Wavy brass wires in 2 rows, ergonomic PVC handle with hanging loop

Technical Data

Material	Polypropylene (PP)
Stock	Brass, corrugated

Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Overall Width	PU Piece	Article No.
Brass Brake Caliper Brush	0.25 mm	2	225 mm	90 mm	12 mm	1	175780

AGR: 10.471



INTERNAL/Approved (2019-03-22 17:37:23)

File, scrapers, brushes

Fitting Brush

- Very good rubberized 2K-handle, adapted to the hand

Application Area

- For the cleaning of copper or stainless steel pipe ends in the gas, water, climate and refrigeration sectors before the soldering

Hints

- Non-corrosive wire fill prevents a pipe corrosion trough wire particles



Technical Data

Material	Plastic
Stock	Special steel V2A corrugated

Title	Wire-Ø	Number Of Rows	Total Length	Useable Length	Ø	PU Piece	Article No.
FITTING BRUSH 15 MM	0.15 mm	3	185 mm	20 mm	15 mm	1	175781
Fitting Brush	0.15 mm	3	185 mm	20 mm	18 mm	1	175783
Fitting Brush	0.2 mm	3	185 mm	25 mm	22 mm	1	175782

AGR: 10.471

Brush Set

- Because the brushes are out of plastic, brass or steel and they have a dimension of 9 - 19 mm, there is a brush for every use
  - Practical and comfortable handle with 1/4" drive and 150 mm length
- Due to the extension also usable in hard to access areas or parts
- Also usable with a cordless screwdriver, if used carefully

Application Area

- For the professional cleaning of sockets, drillings, cylinders, calipers, pipes, hose connections, ...
- Especially suitable for the drilling of heater plugs

Hints

- Do not use the brushes on twisted wires, because the wire unwinds during a wrong direction of rotation and the bristles could fall out
- The brushes are designed for clockwise rotation



3

Title	PU Piece	Article No.
BRUSH-SET 1/4" 20 PCS N,M,S	1	132215
AGR: 10.471		
Scope Of Supply	Piece	Article No.
Brush Handle 1/4"	1	132182
BRASS BRUSH SET 6PCS	1	132209
STEEL BRUSH SET 6PCS	1	132216
BRUSH EXTENSION 1/4"	1	132183
NYLON BRUSH SET 6PCS	1	132214

INTERNAL/Approved (2019-03-22 17:37:38)

File, scrapers, brushes

Nylon Brush Set 6 pcs

- Abrasion-resistant and resistant to weak acids and alkalis
- Temperature resistant up to 100° C

Application Area

- For light cleaning work or sensitive soft surfaces

Scope Of Delivery

- Ø 9 , 11, 13, 15, 17, 19 mm with 1/4" actuator, length 100 mm



Title	PU Piece	Article No.
NYLON BRUSH SET 6PCS	1	132214
AGR: 10.470		

Brass Brusch Set 6 pcs



Title	PU Piece	Article No.
BRASS BRUSH SET 6PCS	1	132209
AGR: 10.470		

Steel Brush Set 6 pcs



3

Title	PU Piece	Article No.
STEEL BRUSH SET 6PCS AGR: 10.470	1	132216

Brush extention 1/4"



Characteristics

- 1/4" adapter, length 150 mm  
With quick-release adapter for machine use

Title	PU Piece	Article No.
BRUSH EXTENSION 1/4" AGR: 03.160	1	132183

Brush handle 1/4"



Characteristics

- 1/4" Aufnahme, Länge 150 mm  
Mit Schnellaufnahme für den Handbetrieb

Title	PU Piece	Article No.
BRUSH HANDLE 1/4" AGR: 03.160	1	132182

INTERNAL/Approved (2019-03-22 17:37:50)

Cutting tools and punches

Universal Scissors 230 mm

- Ergonomic soft grip handle made from ABS plastic for comfortable working
- For right and left-handed people

Application Area

- Cuts paper, cardboard, fabric, leather, rubber, card, cord, corrugated board, etc.

Characteristics

- Non-rusting stainless steel blades, HRC 50-54



Title	Length	PU Piece	Article No.
Universal Scissors	230 mm	1	020532

AGR: 03.320

All-purpose / Electric shears

- Soft-handle out of ABS-plastic
- For right- and left-handers

Application Area

- Cuts paper, cardboard, fabric, leather, rubber, carton, cord, corrugated board, cables, thin wires and much more

Title	Cling Length 1	Length	PU Piece	Article No.
ELECTRIC SCISSORS TOP 460	140 mm	64 mm	1	045340

AGR: 03.320



INTERNAL/Approved (2019-03-22 17:37:54)

# Miter Scissors

## Application Area

- For cutting Flex ledges as well as other plastic profiles
- Miter cuts of 0 – 45° (45° with stop collar)

## Characteristics

- Max. thickness of the profile: 90 mm
- With changeable trapezoidal blade
- Change of the blade takes place by slot screwdriver or ring/jaw spanner AF 8



Title	Length	PU Piece	Article No.
Miter Cutter	245 mm	1	045712
AGR: 03.320			
Spare Parts		PU Package	Article No.
Trapeze blade Premium		10	857327
TRAPEZOID BLADES 10PCS. TITANC		1	026817

Cutting tools and punches

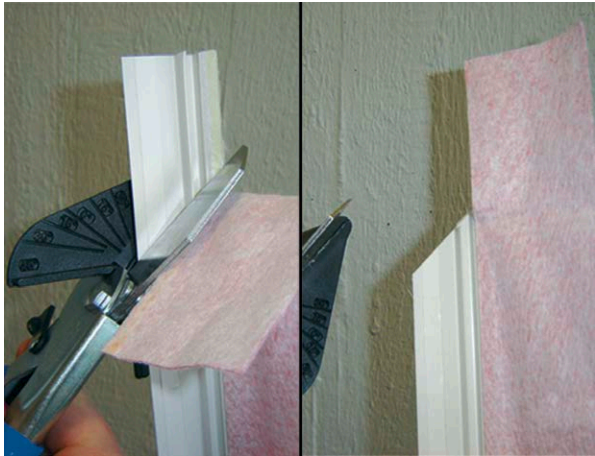
Mitre cutter Extra

Application Area

- For the cutting of flexbars, flexstripes, decorative trim, wooden strips, rubber seals and plastic profiles
- Mitre cut of 0° - 45° (45° with stop)

Characteristics

- Mitre cuts for precise angular cuts
- Fixed 61 mm blade, blade sharpenable
- Replacable blade
- High opening width



Title	Length	Blade length x height mm	PU Piece	Article No.
ANGLE MULTI COUP EXTRA	240 mm	61 mm	1	055856
AGR: 03.320				
Spare Parts			PU Piece	Article No.
ANGLE MULTI COUP EXTRA SPAREBL			1	055857

Cutting tools and punches

Cutting Pliers for PA-Pipe

Application Area

- Cutting of PA pipes of up to Ø 28 mm

Technical Data

Grip Material	1 component handle
---------------	--------------------



3



Title	Length	Cutting Performance-Ø Wire	PU Piece	Article No.
Pipe Cutting Pliers for PA Pipe	255 mm	28 mm	1	113063
Spare Parts			PU Piece	Article No.
SPARE BLADE FOR 113063			1	051191

INTERNAL/Approved (2019-03-22 17:38:18)

Cutting tools and punches

Cutter plastic 9 mm slim

Characteristics

- • for snap-off blade 80/9 mm
- • body made of impact resistant plastic
- • adjustment of the blade by retractable slide
- • pocket clip and blade snapper integrated



Scope Of Delivery

- 1 snap-off blade included

Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter plastic 9 mm slim	130 mm	80 x 9 mm	1	129875
AGR: 03.300				
Accessories Available			PU Amount	Article No.
Snap-Off blade 80/9			10	857378
SPAREBLADE 10PC 9MM CUTTER TIN			1	030706

Cutting tools and punches

Cutter plastic 18 mm

Characteristics

- • for snap-off blades 80/9 mm
- • body made of impact resistant plastic
- • fast adjustment of the blade by locking of the adjustment slide
- • pocket clip and blade snapper integrated

Scope Of Delivery

- 1 snap-off blade included



Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter plastic 9 mm	130 mm	80 x 9 mm	1	129874
AGR: 03.300				
Accessories Available			PU Package	Article No.
Snap-Off blade 80/9			10	857378
SPAREBLADE 10PC 9MM CUTTER TIN			1	030706

Cutter plastic 9 mm

- very accurate because of blade guidance made of metal
- optimal single-hand control by automatic locking of the blade
- 2 blades in the body included

Characteristics

- • for snap-off blade 80/9 mm
- • body made of impact resistant plastic
- • blade snapper and pocket clip integrated

Scope Of Delivery

- 1 snap-off blade 129876 included
- 3 snap-off blades 129878 included



Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter metal rail 9 mm	140 mm	80 x 9 mm	1/24	129876
AGR: 03.300				

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Cutting tools and punches

Accessories Available	PU Package	Article No.
Snap-Off blade 80/9	10	857378
SPAREBLADE 10PC 9MM CUTTER TIN	1	030706

Cutter aluminium 9 mm

- very solid due to aluminium body
- accurate blade guidance due to metal rail
- optimal one-hand control through automatic locking of the blade



Characteristics

- • for snap-off blade 80/9 mm
- • blade snapper and pocket clip integrated
- • Clip for breast pocket

Hints

- Package Contents:  
8 Cutter ALU 9 mm incl. 100 blades

Scope Of Delivery

- 1 snap-off blade included

Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter alu 9 mm	130 mm	80 x 9 mm	1/6/12	129879

AGR: 03.300

Accessories Available	PU Package	Article No.
Snap-Off blade 80/9	10	857378
SPAREBLADE 10PC 9MM CUTTER TIN	1	030706

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Cutting tools and punches

Cutter plastic 18 mm

- Housing made out of impact-resistant plastic material
- Quick locking of the blade due to the locking of the sliding bar
- Integrated blade braking aid

Scope Of Delivery

- 1 snap-off blade inclusive



Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter plastic 18 mm	160 mm	100 x 18 mm	1/10/24	129882
AGR: 03.300				
Accessories Available			PU Package	Article No.
SPAREBLADE 10PC 18MMCUTTER TIN			1	030705
Spare Parts			PU Piece	Article No.
Snap-Off blade 100/18 Premium			10/50	857386

Cutting tools and punches

Cutter plastic 18 mm

- very accurate due to blade guidance made of metal
- optimal one-hand control through automatic locking of the blade
- 2 spareblades in the body included

Characteristics

- for snap-off blades 100/18 mm
- body made of impact resistant plastic
- blade snapper integrated

Scope Of Delivery

- 1 snap-off blade 129887 included
- 3 snap-off blades 129895 included



Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter metal rail 18 mm	160 mm	100 x 18 mm	1/12	129887
AGR: 03.300				
Accessories Available			PU Amount	Article No.
Snap-Off blade 100/18 Premium			10/50	857386
SPAREBLADE 10PC 18MMCUTTER TIN			1	030705

Cutting tools and punches

Cutter aluminium 18 mm

- very solid due to aluminium body
- accurate blade guidance due to metal rail
- slip resistant due to checkered surface and rubber grip
- optimal one-hand control through automatic locking of the blade

Characteristics

- • for snap-off blade 100/18 mm
- • blade snapper integrated

Hints

- Package Contents:  
8 Cutter ALU 18 mm incl. 100 blades

Scope Of Delivery

- 1 snap-off blade included



3

Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter alu 18 mm	160 mm	100 x 18 mm	1/6/12	129905
AGR: 03.300				
Accessories Available			PU Package	Article No.
Snap-Off blade 100/18 Premium			10/50	857386
SPAREBLADE 10PC 18MMCUTTER TIN			1	030705

Cutting tools and punches

Cutter plastic 18 mm

- adjustment of the blade by locking screw
- accurate blade guidance due to metal rail

Characteristics

- • for snap-off blade 100/18 mm
- • body made of impact resistant plastic

Hints

- Package Contents:
- 8 Cutter ALU 18 mm with metal base included. 100 blades

Scope Of Delivery

- 1 snap-off blade included



Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter metal rail fix screw 18 mm	150 mm	100 x 18 mm	1/6/12	129903

AGR: 03.300

Accessories Available

	PU Package	Article No.
Snap-Off blade 100/18 Premium	10/50	857386
SPAREBLADE 10PC 18MMCUTTER TIN	1	030705

Cutting tools and punches

2K- Magazine cutter 18 mm

- locking screw mounted on the metal rail enables additional adjustment of the blade and solid, free from play cutting
- ergonomic 2-component handle offers optimal handling
- automatic blade change enables fast and safe working

Characteristics

- • big blade magazine with 5 snap-off blades 100/18
- • easy blades removal in the front position

Scope Of Delivery

- 5 snap-off blades included



3

Title	Length	Blade length x height mm	PU Piece	Article No.
Cutter 2K magazin 18 mm	170 mm	100 x 18 mm	1	129906
AGR: 03.300				
Accessories Available			PU Amount	Article No.
Snap-Off blade 100/18 Premium			10/50	857386
SPAREBLADE 10PC 18MMCUTTER TIN			1	030705

Cutting tools and punches

2K- Cutter plastic 25 mm

- adjustment of the blade by locking screw
- ergonomic 2-component handle offers optimal handling
- very solid construction 25 mm blade
- accurate guidance due to metal rail

Characteristics

- • for snap-off blade 125/25 mm
- • body made of impact resistant plastic

Scope Of Delivery

- 1 snap-off blade included



Title	Length	Blade length x height mm	Cling Height	Cling Length 1	PU Piece	Article No.
Cutter metal rail fix screw 25 mm	180 mm	140 x 25 mm	25 mm	140 mm	1/5	129907
AGR: 03.300						
Accessories Available					PU Amount	Article No.
Snap-Off blade 125/25 Premium					10	147092
SPAREBLADES 125/25 10PC TIN					1	030707

Cutting tools and punches

Trapeze universal cutter

- 3-times adjustable blade enables stable cutting
- robust doe to metal body

Characteristics

- • hand lever feed made of metal
- • for trapeze blades, hook blades, concave blades, trapeze blade foamed plastic/foamed polystyrene

Scope Of Delivery

- 1 snap-off blade included



Title	Length	Blade length x height mm	PU Piece	Article No.
Trapeze universal cutter	150 mm	61 x 19 mm	1	129911

AGR: 03.300

Accessories Available

	PU Amount	Article No.
Trapeze blade	10	857351
Trapeze blade Premium	10	857327
Bi-Metall Trapeze blade Premium	5	173210
Hook blade Premium	10/50/100	857360
Concave blade Premium	5	111132
Trapeze blade foamed plastic/foamed polystyrene	5	857394
HOOKED BLADES 10PCS. TITANC.	1	026818
TRAPEZOID BLADES 10PCS. TITANC	1	026817

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Cutting tools and punches

Trapeze universal cutter snap-off blades included

- 3-times adjustable blade enables stable cutting
- fast blade change without tools
- fold-out blade magazine with 4 spare blades
- cable cutter integrated
- metal body with plastic inlay enables good handling

Characteristics

- hand feed lever made of metal
- for trapeze blades, concave blades

Hints

- Package Contents:  
5 Keystone Cutter incl. Hook blade 30 u. Trapezoid Blades 20

Scope Of Delivery

- 5 snap-off trapeze blades included



Title	Blade length x height mm	PU Piece	Article No.
Trapeze universal cutter	61 x 19 mm	1	129909
AGR: 03.300			
Accessories Available		PU Amount	Article No.
Trapeze blade		10	857351
Trapeze blade Premium		10	857327
Hook blade Premium		10/50/100	857360
Bi-Metall Trapeze blade Premium		5	173210
Concave blade Premium		5	111132
Trapeze blade foamed plastic/foamed polystyrene		5	857394
HOOKED BLADES 10PCS. TITANC.		1	026818
TRAPEZOID BLADES 10PCS. TITANC		1	026817

Cutting tools and punches

Trapeze safety-cutter

- safe working, due to automatic blade pullback, when letting go the hand lever feed
- easy handling, due to big, slip resistant hand lever feed

Characteristics

- body made of metal
- for trapeze blades, hook blades, concave blades

Scope Of Delivery

- 1 trapeze blade included



Title	Length	Blade length x height mm	PU Piece	Article No.
Trapeze safety cutter	170 mm	61 x 19 mm	1	129912

AGR: 03.300

Accessories Available

	PU Piece	Article No.
Hook blade Premium	10/50/100	857360
Trapeze blade Premium	10	857327
TRAPEZOID BLADES 10PCS. TITANC	1	026817
Trapeze blade	10	857351
Bi-Metall Trapeze blade Premium	5	173210
Concave blade Premium	5	111132
Trapeze blade foamed plastic/foamed polystyrene	5	857394

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Cutting tools and punches

Two function cutter 9 mm

- Safety function, by means of the lever the blade can be pushed forward - if lever is released the blade is pulled back by a retractile spring
- By means of the rear lever, the blade can be put into a fixed position



Characteristics

- Material: high-quality 2 - component plastic material
- Blade holder: metal

Hints

- Safety cutters are required by the labor inspectorate of many companies

Scope Of Delivery

- Inclusive 1 snap-off blade

Title	PU Piece	Article No.
Two function cutter 9 mm	1	218749
AGR: 03.300		
Accessories Available	PU Package	Article No.
Blades two function cutter 9 mm	1	218751

Cutting tools and punches

Two function cutter 18 mm

- Safety function, by means of the lever the blade can be pushed forward - if lever is released the blade is pulled back by a retractile spring
- By means of the rear lever, the blade can be put into a fixed position



Characteristics

- Material: high-quality 2 - component plastic material
- Blade holder: metal

Hints

- Safety cutters are required by the labor inspectorate of many companies

Scope Of Delivery

- Inclusive 1 snap-off blade

Title	PU Piece	Article No.
Two function cutter 18 mm	1	218750
AGR: 03.300		
Accessories Available	PU Amount	Article No.
Blades two function cutter 18 mm	1	218752

Blue Line Double Knife

- Two blade styles in one knife
- Not possible to use when carrying, folding mechanism, single-handed use
- Blades can be easily changed in seconds

Characteristics

- Versatile because it takes trapezoidal and hooked blades Durable metal structure

Scope Of Delivery

- Ten trapezoidal blades per double folding knife (Art.-No. 857327) in a dispenser box and 1 nylon pouch



Title	Length	Blade length x height mm	PU Piece	Article No.
Blue Line Double Folding Knives	240 mm	60 x 19 mm	1	049083
Set of 3 Blue Line Double Folding Knives	240 mm	60 x 19 mm	1	049084
Set of 5 Blue Line Double Folding Knives	240 mm	60 x 19 mm	1	049086
AGR: 03.300				
Accessories Available			PU Piece	Article No.
Trapeze blade Premium			10	857327

INTERNAL/Approved (2019-03-22 17:39:42)

Cutting tools and punches

Blue Line Folding Knife

- The folding mechanism can be operated single-handedly and is always “to hand” carried in the nylon belt pouch
- Blades can be changed in seconds at the push of a button

Characteristics

- Versatile because it takes trapezoidal, bi-metal trapezoidal hooked blades. Only 90 mm long when folded

Scope Of Delivery

- Ten trapezoidal blades per folding knife (Art. No. 857327) in dispenser box and 1 nylon pouch



Title	Length	Blade length x height mm	PU Amount	Article No.
Blue Line Folding Knife	150 mm	60 x 19 mm	1	030364
Set of 2 Blue Line Folding Knives	150 mm	60 x 19 mm	1	034707
Set of 5 Blue Line Folding Knives	150 mm	60 x 19 mm	1	034708

AGR: 03.300

Spare Parts

	PU Piece	Article No.
Trapeze blade Premium	10	857327
Hook blade Premium	10/50/100	857360

Knife Blades, Trapezoidal Blades

- TK-K/TK-L:
- High-grade blades using ice-hardened Swedish steel, both ends of the blade can be used
- Bi-metal:
- Lasts five times longer
- the blades do not snap off
- high and long cutting capacity

Application Area

- Difficult materials such as roofing felt, plaster board, carpets, plastics

Scope Of Delivery

- A practical safety dispenser

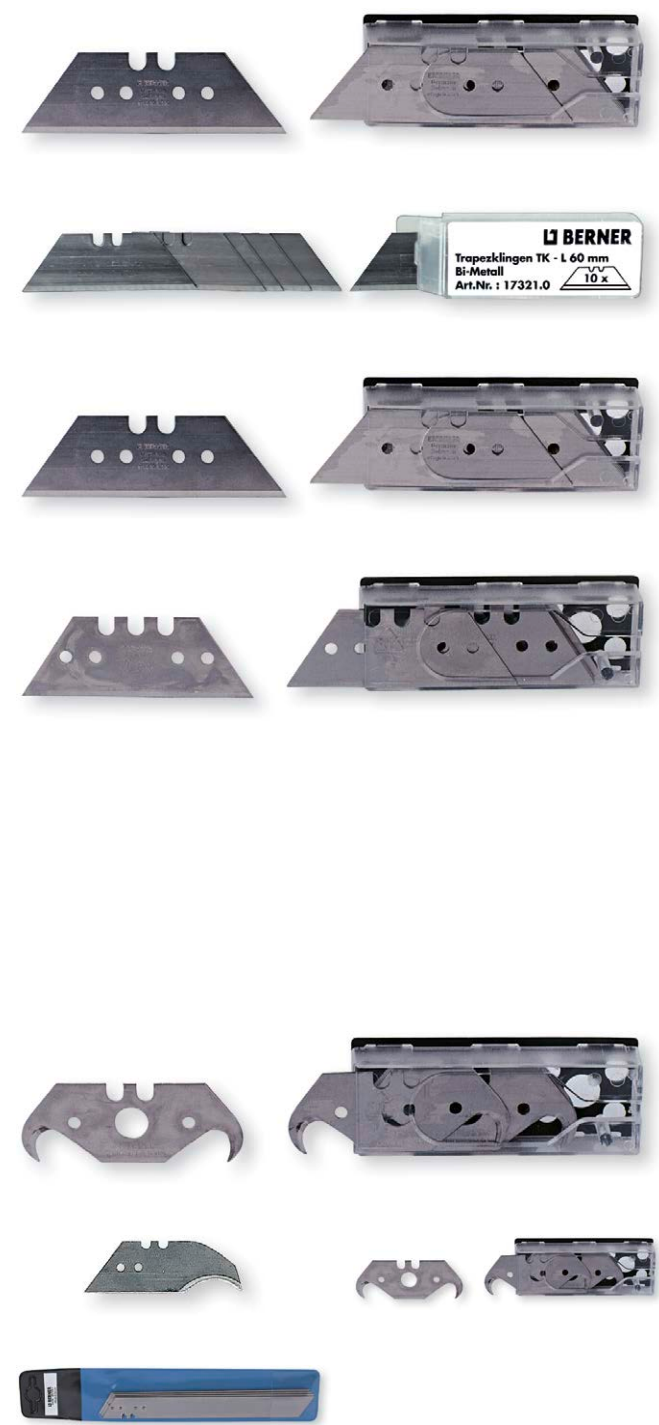
Title	Blade length x height mm	PU Piece	Article No.
Bi-Metall Trapeze blade Premium	60 x 19 mm	5	173210
Trapeze blade Premium	52 x 19 mm	10	857351
Trapeze blade Premium	59 x 19 mm	10	857327

AGR: 03.300 / 03.310

Special Knife Blades

Title	Blade length x height mm	PU Piece	Article No.
Concave blade Premium	58 x 19 mm	5	111132
Hook blade Premium	48 x 19 mm	10/50/100	857360
Trap. blade foamed plastic/polys. Premium	160 x 19 mm	5	857394

AGR: 03.300



INTERNAL/Approved (2019-03-22 17:39:53)

Cutting tools and punches

Trapezoid Blades 10 pieces Titan

- High-quality blades, thanks to the use of ice-hardened Swedish steel and additional application of a TITAN-NITRID-coating
- Five-times longer life, no snapping off of the blade, high and long cutting performance

Application Area

- For difficult materials such as roofing felt, plaster board, carpets, plastics

Characteristics

- TITAN-NITRID-coating

Scope Of Delivery

- In a functional safety dispenser

Title	Blade length x height mm	PU Package	Article No.
HOOKED BLADES 10PCS. TITANC.	60 x 19 mm	1	026818
TRAPEZOID BLADES 10PCS. TITANC	60 x 19 mm	1	026817

AGR: 03.300

Cutter Blades/Snap-Off Blades

Characteristics

- Hardened, high-grade Swedish steel, with snap-off segments

Scope Of Delivery

- A practical safety dispenser or plastic box

Title	Blade length x height mm	PU Piece	Article No.
Snap-Off blade 80/9 Premium	80 x 9 mm	10	857378
Snap-Off blade 100/18 Premium	100 x 18 mm	10/50	857386
Snap-Off blade 125/25 Premium	125 x 25 mm	10	147092

AGR: 03.300



3



INTERNAL/Approved (2019-03-22 17:40:06)

Cutting tools and punches

Blade 10 pieces

- Hardened, high-quality Swedish steel and additional TITAN-NITRID-coating with break off segments
- Five-times longer life, high and long lifetime

Characteristics

- TITAN-NITRID-coating

Scope Of Delivery

- In a functional safety dispenser or plastic case



Title	Blade length x height mm	PU Package	Article No.
SPAREBLADE 10PC 9MM CUTTER TIN	80 x 9 mm	1	030706
SPAREBLADE 10PC 18MM CUTTER TIN	100 x 18 mm	1	030705
SPAREBLADES 125/25 10PC TIN	125 x 25 mm	1	030707

AGR: 03.300

Snap-off Blade 100/18 jagged

Title	Blade length x height mm	PU Piece	Article No.
Snap-off Blade 100/18 jagged	100 x 18 mm	10	336456

AGR: 03.300



Continuous blade

Title	Blade length x height mm	PU Piece	Article No.
Continuous Blade	100 x 18 mm	10	362961

AGR: 03.300



Cutting tools and punches

Snap-off black blade 9 mm

- Cutting angle 22°
  - Optimal blade angle
- Carbon steel
  - High quality steel for sharp blade
- Delivered in safety container

Application Area

- Ideal for papers, plastic films, PVC flooring, or fine materials.

Technical Data

Material	Carbon steel
Shape	V-Form
Snap Off Blade	Yes
Food contact	No

Title	Blade length x height mm	PU Piece	Article No.
Snap-off black blade	80 x 9 mm	10	368545

AGR: 03.310



3

Snap-off black blade 18 mm

- Cutting angle 22°
  - Optimal blade angle
- Carbon steel
  - High quality steel for sharp blade
- Delivered in safety container

Application Area

- Ideal for papers, plastic films, PVC flooring, or fine materials.

Technical Data

Material	Carbon steel
Shape	V-Form
Snap Off Blade	Yes
Food contact	No

Title	Blade length x height mm	PU Piece	Article No.
Snap-off black blade	100 x 18 mm	10	368546

AGR: 03.310



10 pieces



50 pieces

INTERNAL/Approved (2019-03-22 17:40:23)

Cutting tools and punches

Snap-off black blade 25 mm

- Cutting angle 22°
  - Optimal blade angle
- Carbon steel
  - High quality steel for sharp blade
- Delivered in safety container

Application Area

- Ideal for papers, plastic films, PVC flooring, or fine materials.

Technical Data

Material	Carbon steel
Shape	V-Form
Snap Off Blade	Yes
Food contact	No

Title	Blade length x height mm	PU Piece	Article No.
Snap-off black blade	125 x 25 mm	10	368547

AGR: 03.310



Knife for Insulating Materials

- The knife is serrated on both sides, which means that both sides can be used
- The blade is made of 2 mm thick non-rusting stainless steel.
- Wooden handle ergonomically shaped on both sides
- Suitable for hard and soft insulating materials – the edge is intended for soft insulating materials, while the fine-serrated edge is for hard insulating materials



Application Area

- Perfect for cutting insulating materials

Title	Length	Blade length x height mm	PU Piece	Article No.
Knife for Insulating Materials	425 mm	280 x 26 mm	1	002947

AGR: 03.300

**Knife Sharpener**

- The knife sharpener is pulled across the blade
- Due to ist specially formed handle your fingers are provided with protection



Title	PU Piece	Article No.
KNIFE SHARPNER AGR: 03.300	1	097973

Cutting tools and punches

Wrecking Knife curved Blade

- Specially adapted to the craftsman’s requirements, the blade is made of 420-J2 stainless steel blade
- The blade is milled in several steps and peeled off leather
- Ergonomic 2-component handle
- Includes high-quality, new belt holder with safety lock
- Knife can be reground with commercially available knife sharpener



Scope Of Delivery

- 1 piece Sweden knife curved blade
- 1 piece Belt holder

Title	PU Piece	Article No.
Wrecking Knife curved Blade	1	332592
AGR: 03.300		
Accessories Available	PU Amount	Article No.
Knife Sharpener	1	097973
Spare Parts	PU Amount	Article No.
Belt Holder for Sweden Knife	1	332682

Wrecking Knife square Blade

- Specially adapted to the requirements of the craftsman, robust chisel knife made of stainless Japanese 420 - J2 knife
- The blade is milled in several steps and peeled off leather
- Ergonomic 2-component handle
- Includes high-quality, new belt holder with safety lock
- Knife can be reground with commercially available knife sharpener



Scope Of Delivery

- 1 piece Sweden knife straight blade
- 1 piece of belt holder

Title	PU Piece	Article No.
Wrecking Knife square Blade	1	332591
AGR: 03.300		
Accessories Available	PU Amount	Article No.
Knife Sharpener	1	097973
Spare Parts	PU Amount	Article No.
Belt Holder for Sweden Knife	1	332682

### VDE Cable knife

- With a stable and straight blade
- Straight cutting-edge
- Ergonomical safety handle out of viscoplastic and impact-resistant plastic material
- With a protective cap



Title	PU Piece	Article No.
VDE CABLE KNIFE	1	214997
AGR: 03.300		
Accessories Available	PU Amount	Article No.
VDE KNIFE SPARE COVER SMALL	1	214996

### VDE Dismantling knife

- With a stable and straight blade
- Hook-shaped cutting-edge
- Ergonomical safety handle out of viscoplastic and impact-resistant plastic material
- With a protective cap



Title	PU Piece	Article No.
VDE DISMANTLING KNIFE	1	214998
AGR: 03.300		
Spare Parts	PU Amount	Article No.
VDE KNIFE SPARE COVER SMALL	1	214996

Cutting tools and punches

**VDE Dismantling knife**

- With a stable and straight blade
- Hook-shaped and partly insulated cutting-edge
- Ergonomical safety handle out of viscoplastic and impact-resistant plastic material
- With a protective cap



Title	PU Piece	Article No.
VDE DISMANTLING KNIFE HOOKB. AGR: 03.300	1	214999
Accessories Available	PU Amount	Article No.
VDE KNIFE SPARE COVER SMALL	1	214996

**VDE cable knife hookblade**

- With a stable blade
- Hook-shaped cutting-edge
- For slitting and stripping
- Ergonomical safety handle out of viscoplastic and impact-resistant plastic material
- With a protective cap



Title	PU Piece	Article No.
VDE CABLE KNIFE HOOKBLADE AGR: 03.300	1	215000

Cutting tools and punches

VDE Cable knife isolated hook

- With a stable, partly insulated and straight blade
- Straight cutting-edge
- Ergonomical safety handle out of viscoplastic and impact-resistant plastic material
- With a protective cap



Title	PU Piece	Article No.
VDE CABLE KNIFE ISOLATED HOOK	1	215001
AGR: 03.300		
Accessories Available	PU Amount	Article No.
VDE KNIFE SPARE COVER SMALL	1	214996

VDE Phase stripping knife

- With a stable blade
- Slim and straight edge
- Ergonomical safety handle out of viscoplastic and impact-resistant plastic material
- With integrated protective cap



Title	PU Piece	Article No.
VDE PHASE STRIPPING KNIFE	1	215002
AGR: 03.300		
Accessories Available	PU Amount	Article No.
VDE KNIFE SPARE COVER SMALL	1	214996

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Cutting tools and punches

VDE Cable knife changing blade

- With a stable, partly insulated and replaceable blade
- Straight cutting-edge
- Ergonomical safety handle out of viscoplastic and impact-resistant plastic material
- With integrated protective cap



Title	PU Piece	Article No.
VDE CABLE KNIFE CHANGING BLADE	1	215003
AGR: 03.300		
Accessories Available	PU Amount	Article No.
VDE SPARE KNIFE	4	215004

Spare knives and knife spare covers

Title	PU Piece	Article No.
VDE KNIFE SPARE COVER SMALL	1	214996
VDE SPARE KNIFE	4	215004
AGR: 03.300		



Molding Frame

Title	PU Piece	Article No.
MOLDING FRAME 12TONS	1	020453*

\* = The delivery time is 21 days  
AGR: 03.419

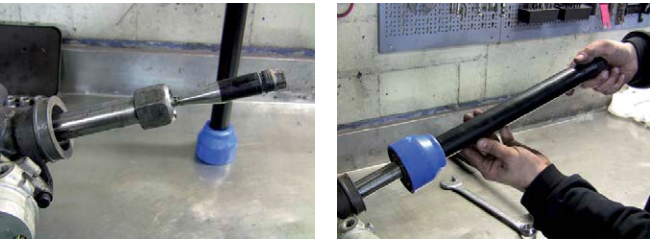


Special vehicle tools

Assembly Tool Axial Ball Point

Application Area

- Special tools for removal and installation of tie rods
- Automatically adjusts to all shapes and diameters of the axial joints
- One tool for all vehicle brands



Title	Length	Clamping Range, From	Clamping Range, To	PU Piece	Article No.
TIE ROD REMOVAL TOOL SPEEDY	420 mm	35 mm	45 mm	1	132012

AGR: 03.404

Joint Tool

Title	PU Piece	Article No.
JOINT TOOL BERNER Ø 10 MM	1	110723

AGR: 03.419



INTERNAL/Approved (2019-03-22 17:41:21)

# Drilling Set Handle Bar

## Application Area

- Exact centred drilling of a 4-handlebar clamp screw  
pressure pin presses optimally in the bolt cor within the casting  
body

## Scope Of Delivery

- Supplementary set consisting out of 2 piece hardened screw-on  
drill sleeve, coated HSSE-TIN special drills

Title	PU Piece	Article No.
BORING SET 4-HANDLEBAR-AXIS	1	014082*

\* = The delivery time is 21 days  
AGR: 03.419



Wheel Bearing Tools

Title	PU Piece	Article No.
WHEEL BEARING TOOLS COMPL. AGR: 03.419	1	014086



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# Ball Joint Extractor

## Application Area

- Especially suitable for italian vehicles, ideal for Fiat, Alfa, Lancia
- High-quality, massive puller for ball joints of a passenger car

## Characteristics

- Very slende, but also robust design
- Plastic-coated, compression lever fourfold repluggable

Title	PU Piece	Article No.
BALL JOINT EXTRACTOR ADJUSTAB. AGR: 03.419	1	020448



Wheel Bearing Tool VW

Title	PU Piece	Article No.
WHEEL BEARIN TOOL VW	1	033545*

\* = The delivery time is 21 days  
AGR: 03.419



Special vehicle tools

Press and Pulling Set

Title	PU Set	Article No.
609 400 PRESS AND PULLING SET AGR: 03.419	1	037596



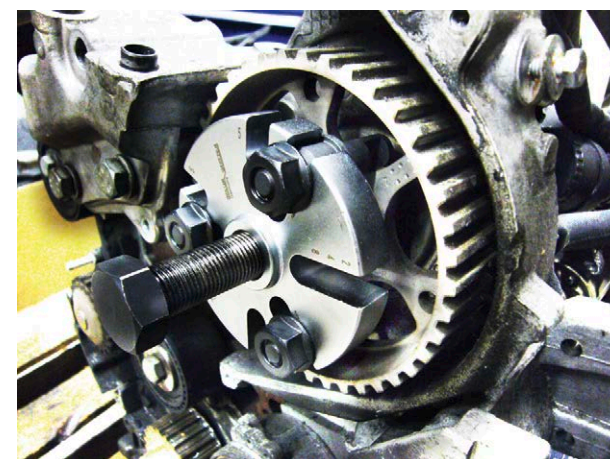
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## Universal Belt Pulley Puller

- Use especially for stuck tooth belt wheels with differing punch distribution
- Various pitch circles adjustable
- 9 different gripping options
- High quality threaded spindle
- Short design

### Application Area

- Camshaft sprocket, air-conditioning, compensating disc, vibration dampers, water pump, diesel pump



Title	PU Piece	Article No.
BELT PULLEY PULLER 602050	1	060716
AGR: 03.419		

## Bearing Puller

- 3-blade design ensures an even force distribution and no tilting of the bearing ring
- The bearing shall be fully gripped in and can be removed if the chain is further tightened
- The knife edges of the pulling arms are at first pressed into the small, always present, (approx. 0.5 mm) radius of the bearing ring

### Hints

- If the knife edges are frequently used and therefore have no edges anymore, it is possible to regrind them, to elongating the lifetime



Windshield Wiper Remover 8 pieces

Title	PU Piece	Article No.
WINDSHILD WIPER REMOVER 8PCS. AGR: 03.409	1	060807



Gear Jaw Seal Puller

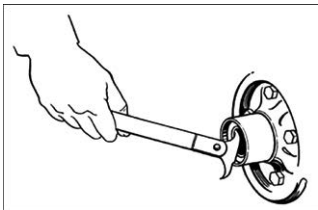
- Sealing rings on motors, gearboxes and axles can be dismantled quickly and easily with the sealing ring dismantling lever
- The two different tip molds enable a universal use of the tool
- The articulation lever allows the disassembly lever to be applied at different angles in order to apply sufficient force even in places which are difficult to access
- The 2-component handle allows an optimal transmission of force and gives a secure hold
- Flex lever adjustable by 9 steps and lock

Application Area

- For the dismantling of seals on motors, gearboxes and gearboxes axes

Title	PU Piece	Article No.
Gear Jaw Seal Puller	1	336399

AGR: 03.419



3

Shaft Sealing Remover Leaver

- Very slender hook
- Adjust the restraint with the tooth restraint and fix it on the Insert housing
- The sealing ring is pulled out by pressing down the handle
- Repeated reaction prevents the sealing ring from tilting and allows a clean pull out
- No damage to the shaft

Application Area

- Easy removal of shaft sealing rings as with crank or Camshafts without dismounting the shaft

Scope Of Delivery

- 2 hooks

Title	Length	PU Piece	Article No.
Shaft Sealing Remover Leaver	210 mm	1	336256

AGR: 03.419



INTERNAL/Approved (2019-03-22 17:42:11)

Special vehicle tools

**Pry Bar Hexagon**

- Very robust hexagon forged chrome molybdenum lever iron
- Very high stiffness during lever work
- Sharpener and heavy-duty mandrel to adjust or separate components
- Sharp angled cutting edge for lever work or for separating components, housings, bearings or similar



**Application Area**

- Disassembly and assembly of housings such as gearboxes or motors
- Adjustment of components when assembling through the mandrel
- Separation of housing halves with the sharp cutting edge
- Various lever operations on the chassis

**Characteristics**

- Total length: 400 mm
- Thickness: 22,5 mm
- Material: Chrome Molybdenum
- Surface: Matt Chrome plated
- Ø mandrel: 1 - 17 mm
- Weight: 658 g

Title	PU Piece	Article No.
Pry Bar Hexagon	1	370165

AGR: 03.409

Special vehicle tools

Prybars

Application Area

- Prints tightly fitted parts, positioning parts, expanding clamping bores etc.

Characteristics

- High quality forged square steel
- 3-K grip
- In the grip metal parts are included to ensure a safe and non-slip grip



3

Title	PU Piece	Article No.
NON-SLIP PRY BAR SET 4PCS	1	111185
AGR: 03.419		
Scope Of Supply	Piece	Article No.
D312GPB05 NON-SLIP PRY BAR 8"	1	111695
D312GPB06 NON-SLIP PRY BAR 12"	1	111696
D312GPB07 NON-SLIP PRY BAR 18"	1	111697
D312GPB08 NON-SLIP PRY BAR 24"	1	111698

HD Leaver 914 mm

- Continuous forged square steel
- Sharp cutting edge
- Tip angled for more leverage and applications
- Top can be sharpened
- Face behind handle
- High-quality plastic handle also to be used with both hands



Title	Length	PU Piece	Article No.
HD Leaver	914 mm	1	333645

AGR: 03.419

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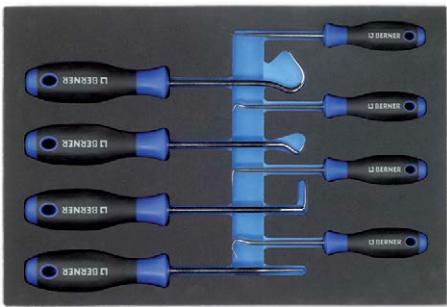
Hook Set

Application Area

- Ideal for insertion and removal of O-rings  
For assembly and disassembly of seals

Characteristics

- With ergonomic plastic handle, supplied complete with practical foam inserts two diameters



3

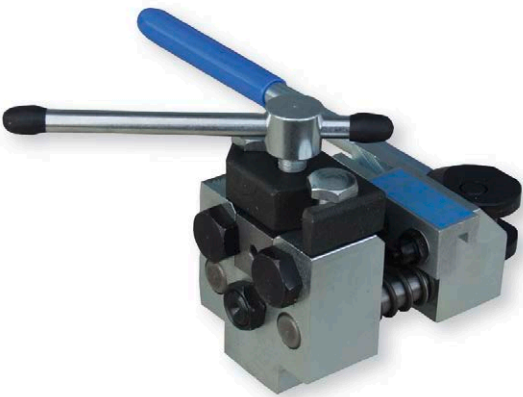
Title	PU Piece	Article No.
HOOKSET 8-PC	1	131361
AGR: 03.701		
Scope Of Supply	Piece	Article No.
Hook streight 150mm	1	131357
Hook angled 65° 150mm	1	131359
Hook angled 90° 150mm	1	131362
Hook angled 125° 150mm	1	131364
Hook streight 280mm	1	131358
Hook angled 55° 280mm	1	131360
Hook angled 90° 280mm	1	131363
Hook angled 132° 280mm	1	131365

Brake Pipe flaring

- Geometrical accurate flanging according to DIN 74234
- Cam mechanic
- For copper, steel and aluminium pipes up to 1 mm wall thickness
- Damage free clamping, even of plastic-coated brake pipes, due to a new type of clamping jaws

Application Area

- For pipeline-Ø 4.75 and 6 mm
- For stationary use



Title	PU Piece	Article No.
FLANGE BUILDER 463001	1	060717
AGR: 03.419		

Special vehicle tools

Ratchet pipe cutter

- Easy handling
- One-hand operating
- ratchet function
- No sparks or splinters
- For pipes with a wall thickness of up to 3 mm
- Also suitable for stainless steel pipes

Application Area

- For an easy and clean cutting off of exhaust pipes

Title	Outside Ø mm	PU Piece	Article No.
RATCHET PIPE CUTTER 28-67MM	28 - 67 mm	1	183775
AGR: 03.401			
Spare Parts		PU Package	Article No.
Replacement Cutting Wheel INOX 5 units		1	053748



3

Seal Cracking, Wrench Size 7-22

- Easy use chisel function
- Slope at metal edge increases effect of cracking and prevents breaking
- Tooth causes little damage
- No need for angle file, cutting torch or other tools

Application Area

- For class 10 seal

Characteristics

- Stable chisel, cutting edge was induction hardened

Title	PU Piece	Article No.
Seal Cracking, Wrench Size 7-22 mm	1	082244

AGR: 03.419



INTERNAL/Approved (2019-03-22 17:42:35)

Special vehicle tools

Seal Cracking, Wrench Size 22-36

- Easy use chisel function
- Slope at metal edge increases effect of cracking and prevents breaking
- Tooth causes little damage
- No need for angle file, cutting torch or other tools

Application Area

- For seals up to class 10

Characteristics

- Stable chisel, cutting edge was induction hardened



Title	PU Piece	Article No.
Seal Cracking Wrench Size 22-36 mm	1	082245

AGR: 03.419

Spring Compressor

Title	PU Piece	Article No.
SM-0005 SPRG TENS.-PAIR	1	267767

AGR: 03.413



Spring Compressor Set Center

- CANVIK CENTER is the **only tool on the market** capable of handling among others VW Touran, Citroën C3, Skoda Octavia, and Peugeot 107
- Its very **compact design** makes it possible to use the tool for cars with a small hole in the rear spring control arm down to ø30 mm
- The innovative angled shape of the jaws provides a high degree of functionality and improves safety
- CANVIK CENTER comes with a unique safety key torque, which makes it easier, safer and more convenient to position the tool correctly inside the spring. The safety key prevents overload and thereby improves safety
- Patent pending and TÜV approved safety

Application Area

- Innovative and safe handling of springs on cars with wishbone and multilink suspension

Scope Of Delivery

- Compressor
- 1 pair Jaw Ø120-140 mm
- 1 pair Jaw Ø90-120 mm
- Torque stick



Title	Clamping range	Resistance, Max.	Working length from - to	PU Piece	Article No.
Spring Compressor Set Center	90 mm - 140 mm	15000 N	96 - 220	1	336455

AGR: 03.419

Spring Compressor Set TÜV

- The coil Spring Compressot TÜV with increased safety **comes with 2 sets of jaws** with hard-waring polyurethane insert (ø80-120mm and ø80-200mm).
- The **high-tech protective insert improves safety** considerably forming itself around and gripping the spring firmly to prevent it from slipping from the jaw. In addition, the insert protects the spring from scratches hence corrosion



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Special vehicle tools

- Moreover, for your safety the Spring Compressor TÜV is now delivered with a **new durable safety wire** is supplied for improved safety. To ensure maximum safety the heavy-duty steel wire can be locked around the spring during compression to prevent the risk of injury.
- The **large user-friendly and ergonomic adjusting handle** makes manual positioning of the jaw fast and easy.
- Spring Compressor TÜV is one of the most user-friendly coil spring compressors in the market. It makes dismantling of McPherson struts safer, easier and faster and handles more than 90% of all cars

Application Area

- Dismantling of McPherson struts

Title	Clamping range	Resistance, Max.	Working length from - to	PU Piece	Article No.
Spring Compressor Set TÜV	80 mm - 195 mm	18000 N	65 - 364	1	351741
AGR: 03.419					
Scope Of Supply				Amount	Article No.
Spring PLate 80-120 mm TÜV				1	-
Spring PLate 80-200 mm TÜV				1	-
Accessories Available				PU Amount	Article No.
Strut Vice for McPherson Strut				1	362754
Spare Parts				PU Amount	Article No.
Safety Cable 5x450 mm for Spring Comp. TÜV				1	362753
Safety Pin für 153198 and TÜV				1	216290

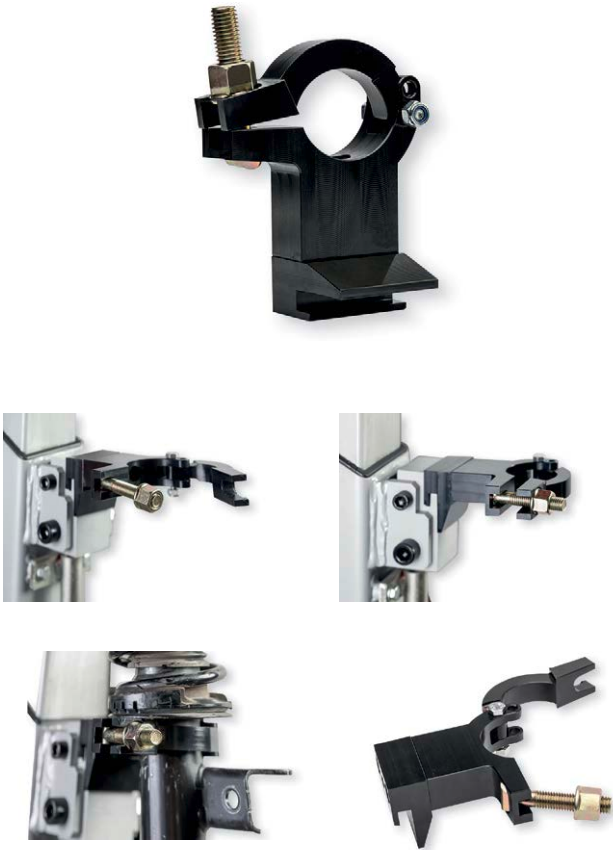


Strut Vice for McPherson Strut

- Long awaited, it's here. Our new strut vice is well-suited for use on the spring Compressor TÜV
- By tightening directly on the shock absorber, while the standard jaw is inserted into the spring from the top of the strut, a significantly longer compression is achieved that loosens the shock absorber.
- The Shock Absorber Strut Vice is robustly manufactured and fully adjustable, presenting a huge business potential in terms of quality and safety assurance.

Title	Clamping range	PU Piece	Article No.
Strut Vice for McPherson Strut	47 mm - 60 mm	1	362754

AGR: 03.419



3

Spare parts for Spring Compressor

Title	PU Piece	Article No.
Safety Cable 5x450 mm for Spring Comp. TÜV	1	362753
Safety Pin für 153198 and TÜV	1	216290

AGR: 03.419

Spring Compressor clamp plate

Title	Clamping range	PU Piece	Article No.
Spring Holder Pair 0 for Springs	70 mm - 110 mm	1	363278*
Spring Holder Pair 1N for Springs	80 mm - 165 mm	1	252077*

\* = The delivery time is 14 days

AGR: 03.413



INTERNAL/Approved (2019-03-22 17:43:09)

Special vehicle tools

**Vibroshok set 8 pièces**

- to loose screws without effort and avoid braking screws.

**Application Area**

- to loose rusties screws with vibration.

**Scope Of Delivery**

- Deliver with impact sockets with flange Ø8 - 9 - 10 - 11 - 12 - 13 - 14.
- one handel adaptable on pneumatic hammer.



3

Title	PU Piece	Article No.
Vibroshok set 8 pièces	1	332439
AGR: 03.409		
Accessories Available	PU Amount	Article No.
Special socket for vibroshock 10	1	332435
Special socket for vibroshock 11	1	332436
Special socket for vibroshock 12	1	332437
Special socket for vibroshock 13	1	332438
Special socket for vibroshock 14	1	332434
Special socket for vibroshock 8	1	332432
Special socket for vibroshock 9	1	332433

Hook 2-C handle

- Ergonomic, 2 Component handle for safe hold
- Strong peak and blade
- Different angels for different applications
- Two diameters in the set

Application Area

- Ideal for insertion and removal of O-rings
- For assembly and disassembly of seals

Title	Ø	Length	PU Piece	Article No.
Hook angled 125°	3.5 mm	150 mm	1	131364
Hook angled 65°	3.5 mm	150 mm	1	131359
Hook angled 90°	3.5 mm	150 mm	1	131362
Hook streight	3.5 mm	150 mm	1	131357
Hook angled 132°	6 mm	215 mm	1	131365
Hook angled 55°	6 mm	215 mm	1	131360
Hook angled 90°	6 mm	215 mm	1	131363
Hook streight	6 mm	215 mm	1	131358

AGR: 03.403

Related Products

	PU Amount	Article No.
Hook Set 8-pieces	1	131361



Glow Plug Tips Remove Set M8-10

- For M8, M9 and M10 glow plugs
- Allows easy removal of broken and stuck glow plug pins in the cylinder head
- Kit contains 4 easily recognizable guides
- The tap, twist tap and puller holder are mounted on the body of the defective glow plug to achieve perfect centering
- Industrial taps with automatic centering for exact drilling
- The specified length of the drills and taps prevents drilling too deep. Time-consuming testing and measuring is no longer necessary.
- If a glow plug is no longer extractable, the kit contains a drift pin with which the glow plug can be pushed through the cylinder. This can then be pulled out via the bore of the injection nozzle with the magnet (included in the kit)

Application Area

- Removing broken glow plugs



Title	PU Piece	Article No.
Glow Plug Tips Remove Set M8-10	1	362797

AGR: 03.419

Injectors Extractor Kit

- Universal Kit for removing moderately stuck or sooty injectors of all types without dismantling the electrical components, even in the most modern vehicles
- For common rail or piezo injectors of the Denso, Siemens Bosch and Delphi brands from 1999 to 2017
- Avoids dismantling the electrical component of the injector, thus avoiding significant extra costs, thanks to an extremely solid threaded axle of the same size as the diesel inlet connection to which the extractor is attached
- The kit also includes two adapters (M12 and M14) in case the outlet inlet is not removable
- Two ways to remove the injector from rotation (handle), rotation and axial extraction (percussion hammer) in the most difficult cases

Application Area

- Injector removal



3

Title	PU Piece	Article No.
Injectors Extractor Kit	1	362796

AGR: 03.419

Injector Brush Set

- This set ensures that the mounting hole and the seat of the injector are cleaned as well as possible. This is very important before using a new injector to ensure the tightness
- With the injector bore is cleaned with the 2 metal brushes
- The head brushes ensure a clean fit of the injector. Almost unlimited use due to the extension
- The injector hole can be sealed with the supplied plugs. This prevents dirt from falling into the cylinder
- Fast, clean and efficient work

Application Area

- To clean the injectors hole after the extraction.

Scope Of Delivery

- 2 metal brusches Ø 20 and 25 mm for injectors hose cleaning.
- 2 front brushes for injectoes seat cleaning.
- 1 front brush extension.
- 2 seal plugs to close the injector hole while cleaning.
- A sanding kit (paper and paper support).
- 1 extension for the sanding kit.

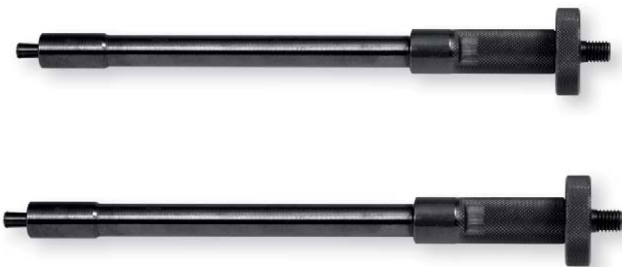


Title	PU Piece	Article No.
Injector Brush Set	1	243266

AGR: 03.402

Extractor injector seal

- Removal of burnt-in injector copper sealing rings from the injector channel.
- Adjustable diameter from 6.4 mm to 9.5 mm
- Depth variably adjustable for secure holding of the sealing ring
- Suitable for all common models
- The sealing ring is pressed against the extractor
- Exact guidance during insertion and extraction
- Good to use in combination with 210593".



Application Area

- Allows you to remove the seals of injectors copper stuck to the bottom of the injector well

Title	PU Piece	Article No.
Extractor injector seal AGR: 03.402	1	210594

Cleaning kit injector seats

Application Area

- To remove all carbon deposits and corrosion seats injectors before installing new gasket.

Processing Information

- Before use: good grease cutter to paste the maximum residue thereon.
- Never use electric or pneumatic tool cause the guide: risk of damage to the cylinder head.



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Special vehicle tools

- Act always manually sparingly so as not to "machined" the gasket

Scope Of Delivery

- Five cutters:
- 15mm universal flat
- 17mm flat for Delphi and Bosch injectors (BMW/PSA/Renault/Ford)
- 17mm angled for Fiat/Iveco and Ford
- 17mm and 19mm flat for Bosch injectors (Mercedes CDI) Iveco
- 17mm x 21mm angled for Fiat/
- 1 T-handle



Technical Data

Reference Vehicle Manufacturer	BMW
	Peugot
	Citroen
	Renault
	PSA
	IVECO
	Ford
	Fiat
	Mercedes Benz

Title	PU Piece	Article No.
Cleaning kit injector seats	1	210593

AGR: 03.402

## Quickflow 2-Way Pump Press/Vacuum

- Generate pressure and vacuum
- Ergonomic and robust diagnostic tool
- Two functions in one pump:
- Pressure and vacuum test functions
- Patented design
- Easily adjustable rotary selector switch. Also with gloves
- Ergonomic handle
- High volume efficiency
- Both in print and vacuum mode
- Manufactured from fibre-reinforced composite materials
- Very high resistance
- Pressure gauge integrated in housing
- Optimum reading angle
- Maximum protection against damage
- Fast and easy switching between vacuum and pressure mode through the rotary sleeve with snap-in positions

### Characteristics

- Maximum pressure: 30 PSI
- Maximum vacuum: 28 In Hg
- Pump capacity: 1 cubic inch (16cc)
- Weight: 20.1 ounce



3

Title	PU Piece	Article No.
Quickflow 2-Way Pump Press/Vacuum	1	370169

AGR: 03.405

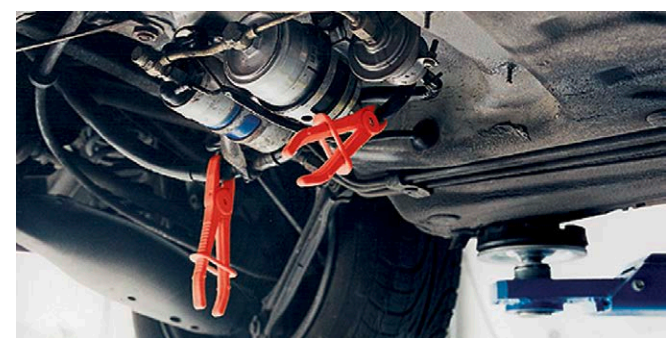
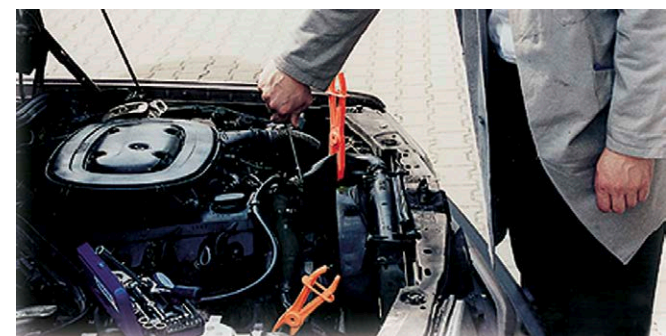
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Quick-Clip Clamping Pliers Set

- Multi-purpose use
- Plastic design is gentle on surfaces
- Push loop for gradual locking

Application Area

- Clamps water, oil and fuel hoses gently



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Title	PU Piece	Article No.
Clamping Pliers Set, 3-part	1	002000
AGR: 03.405		
Scope Of Supply	Amount	Article No.
Quick Clip Clamping Pliers Red 3-8 mm	1	-
DISCONN.PLIERS MEDIUM 30MM	1	-
DISCONN.PLIERS LARGE 60MM	1	-

Special vehicle tools

Clamp Pliers

Title	PU Piece	Article No.
BERNER ABKLEMMZANGENSET AGR: 03.405	1	208128



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Magnetic finger

Processing Information

- Due to magnetic properties, keep this product at least 6 inches from pacemakers, similar devices, magnetic media such as floppy disks, credit cards, magnetic I.D. cards, cassette tapes, video tapes or other such devices. This product may also damage televisions, VCR's, computer monitors and other CRT displays.

Title	PU Piece	Article No.
Magnetic finger	1	335443

AGR: 03.981



Windscreen wiper nozzle cleaner

- Two functions in one: cleaning and adjustment
- Easy changeover from cleaning to adjustment by turning the handle
- The retractable cleaning needle, made of high-strength steel, does not bend during cleaning
- The retractable Special gradations of the cleaning needle for effective cleaningCleaning needle, made of high-strength steel, does not bend when cleaned
- The adjusting tube is simply pushed over the nozzle. This allows an easy and exact adjustment of the windscreen washer nozzle
- With breast pocket clip
- Light and robust construction

Application Area

- Cleaning and adjusting the windscreen washer nozzle

Title	PU Piece	Article No.
Windscreen wiper nozzle cleaner	1	370166

AGR: 03.409



# Magnetic Holder

## Characteristics

- Flexible, with permanent magnet

Title	Magnet Strength	Magnet-Ø	Length	Ø	PU Piece	Article No.
Magnetic Holder 9410	500 g	8 mm	460 mm	-	1	304921
Magnetic Holder 9400	1800 g	15 mm	520 mm	15 mm	1	069825

AGR: 03.981



Flexible Claw with Magnet and LED

Title	Length	PU Piece	Article No.
PICK UP TOOL BERNER LED AGR: 03.981	650 mm	1	111066



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# LED Inspection Stick With Mirror

## Technical Data

Type Of Lamp	LED
Batteries	3 x LR41
Length, Minimum Or Single Value	165 mm
Length, Maximum	660 mm
Diameter	8 mm



Title	PU Piece	Article No.
LED INSPECTIONS STICK W MIRROR	1	129352

AGR: 08.204

Spare Parts	PU Piece	Article No.
BUTTON CELL LR41	1	185046
STICK INSPECTION MIRROR	1	128907

Pliers for Spring Band Clamp with Remote Control

- Has a locking lever to hold the clamp open
- Also suitable for hard-to-access places due to remote control via bowden cable
- The special construction ensures a safety holding of the spring band clamps

Application Area

- For the change of fuel, oil, cooling and heating water hoses, which are not secured by worm drive hose clamps, but by reusable self-tightening spring band clamps
- For spring band clamps from Ø 18 - 53 mm, e.g. from the companies Norma, ABA (AWAB), Mikalor, Mubea

Characteristics

- Length 225 mm, pull length 600 mm



Title	Length	Length x width	PU Piece	Article No.
Hose Clamp Pliers with Remote Control	225 mm	225 x 630 mm	1	135033
Spare Parts			PU Piece	Article No.
Control Cable for Spring Band Clamp Pliers with Remote Control			1	170908

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Hose Clamp Pliers

- With locking lever to hold the opening state of the clamp
- Micro gearing avoids overloading the clamps fixed by Gooseneck
- Ideal for hard to reach places

Application Area

- Assembly and disassembly in inaccessible places

Characteristics

- Length 225 mm, 600 mm stroke length



Title	PU Piece	Article No.
HOSE CLAMP PLIERS	1	156542

AGR: 03.409

Hose Clip Pliers

Characteristics

- With 2 flexible Bowden cables for the new spring clamps of Opel and GM vehicles
- Continuous locking mechanism
- Enables work in the narrowest spaces of the engine compartement

Title	PU Piece	Article No.
HOSE CLIP PLIERS SZ 3000 AGR: 03.419	1	165749
Spare Parts		
BOWDEN WIRE RED F.SZ3000	1	006389
D BOWDEN WIRE BLACK F.SZ 3000	1	006390



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## Hose Clip Pliers

### Application Area

- For self-tightening spring hinge clamps e.g.: VW/Audi

Title	Length	PU Piece	Article No.
12942 HOSE CLIP PLIERS	210 mm	1	891149

AGR: 03.209



3

## Quick Fit Pliers for Quick couplings

- The Quick-Fit Pliers offer the user a possibility for heavy to access fast couplings without damaging or removing
- With a locking mechanism for adjusting the right pressure and preventing damage on the fast coupling
- highly flexibe
- ergonomic handle
- Coated handle for preventing damages

### Application Area

- The cable pulling pliers Quick-Fit has been invented for opening fast couplings (double-klick sealing) damage free
- At engines, spring band clamps are more and more replaced through fast couplings out of plastic. These are are difficult to remove after a while, due to staining

Title	PU Piece	Article No.
Quick Fit Pliers for Quick couplings	1	219171

AGR: 03.419



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**Clic Clip Pliers**

- Mounting in very tight spaces possible due to a short design
- Staggered open-end , therefore the clamping fastener is visible during the assembly

**Application Area**

- For release and closure simply turn the pliers:  
Release of the clic-hose clamp: blunt open-end inner side pushes the locking tongue out of the clamp top piece. Closure of the clic-hose clamp: narrow open-end inner side pushes the locking tongue into the clamp top piece



Title	Length	PU Piece	Article No.
12937 CLIC-CLIPS-PLIERS	170 mm	1	912972

AGR: 03.209

# Pliers for Steel Tape Clamps

## Application Area

- Suitable for self-streching spring clips with flat clip endings.  
VW names these clips "Type W"
- Useable e. g. at fuel lines VW/Audi

Title	PU Piece	Article No.
PLIER FOR STEEL TAPE CLAMPS	1	017730

AGR: 03.209



Special vehicle tools

Vehicle Hose Clamp Pliers Set 7-piece

Application Area

- Universal use on clamps on cooling water, heating, air conditioner, pressure, negative pressure and fuel tubes

Hints

- Delivered in a plastic box



Title	PU Set	Article No.
Vehicle Hose Clamp Pliers Set 7-piece	1	030664
AGR: 03.405		
Scope Of Supply	Amount	Article No.
(131070_11_1_AT01_Schlauchschellenzangemi)	1	-
(131070_12_1_AT01_Schlauchschellenzange45)	1	-
(131070_13_1_AT01_Schlauchschellenzangear)	1	-
(131070_14_1_AT01_FlachzangezumMontierenu)	1	-
(131070_15_1_AT01_ClickSchlauchschellenza)	1	-
(131070_16_1_AT01_SchlauchschellenzangeSt)	1	-
(131070_17_1_AT01_SchlauchschellenzangeSt)	1	-

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Spare Parts

	PU Piece	Article No.
Control Cable for Spring Band Clamp Pliers with Remote Control	1	170908

Set of pliers for hose clamp

Title	PU Piece	Article No.
HOSE CLAMP GRIPPING PLIER SET	1	183991

AGR: 03.419



3

Universal spring hose clamp compressor

- Very wide span
- Simple application
- Due to the small size and the different drive types, it is very versatile and space-saving to use
- Robust and low-wear spindle drive
- 3 different shooting possibilities allow the use on almost all spring-band clamps
- Spring tension clamp can remain on the spring band clip during the tension or can also be laid side by side
- 3 Drive system
- Grip knurling allows quick adjustment to the right size
- 1/4 "square drive
- SW 14 mm
- 2 solid guide rods for parallel clamping

Application Area

- Clamping and fixing of spring clip clamps

Title	Clamping Range	Length	PU Piece	Article No.
Universal spring hose clamp compressor	0 - 65 mm	106 mm	1	336410

AGR: 03.419



Special vehicle tools

Ear Clamp Pliers

- Safe, clean and round clipping of ear clamps
- The placement of the “ear” during the pressing process is prevented
- The strain is evenly compressed
- No damage to the cuff
- Anti-slip dip-coated handle
- The 90 ° version is especially suitable for hard-to-reach places

Application Area

- Clamp of ear clamps

Title	Clamping range	Length	PU Piece	Article No.
Ear Clamp Pliers 90°	0 - 22 mm	240 mm	1	336257
Ear Clamp Pliers	0 - 22 mm	260 mm	1	336258

AGR: 03.419

Earless Hose Clamp Pliers

- Loosen or attach earless hose clamps
- Suitable for Thermoplast axle cuffs
- The strain is evenly compressed
- No damage to the cuff
- By lever transmission more force transmission
- Anti-slip handle with dip insulation

Application Area

- For loosening or attaching earless hose clamps

Title	Clamping range	Length	PU Piece	Article No.
Earless Hose Clamp Pliers	7 - 26 mm	265 mm	1	336398

AGR: 03.419



3



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Special vehicle tools

Oil Filter Cap Set

- A wrench for each oil filter cartridge

Application Area

- Removing of filter cartridge

Scope Of Delivery

- Plastic box



Title	PU Set	Article No.
Oil Filter Set, 16-part	1	005633

AGR: 03.405

V.A.G. Oil Filter Set

- For heat-treated, high quality chrome vanadium Steel with glossy surface
- For 1/2 "square drive or 24mm hexagon
- Perfect fit and so no damage Oil filter housing
- Can also be used for metal filter
- Additional key for removing and installing the Oil drain plug at the filter housing with 3/8 "-Vierkant-Drive or 17 mm hex
- The drain system is the oil, before removing the Filter, drained from the filter housing.
- Prevents oil spills and reduced working hours



Title	PU Piece	Article No.
V.A.G. Oil Filter Set	1	243903
AGR: 03.405		

Oil Filter Removal Tool with Chain

Application Area

- Dismantling of difficult to access filter cartridges

Title	Length	PU Piece	Article No.
OIL SL EXTRACT W.CHAIN 2.9311	380 mm	1	823447
AGR: 03.419			



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Automatic Oil Filter Wrench

- The automatic quick clamp system enables a quick and exact adjustment of the oil filter wrench to the respective oil filter
- Universal clamping force, regardless of the filter size
- Optimised ratchet force due to a controlled pulling of the belt
- Quick re-tightening because of the ratchet force
- Quick work within the narrowest space
- Suitable for all diameters, from 66 to 105 mm
- Saving of time

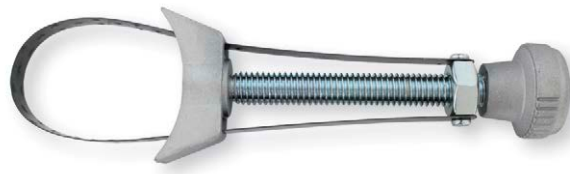


Title	PU Piece	Article No.
U.48PB AUTOM.OILFILTERWRENCH	1	058364

AGR: 03.410

Oilfilter Spanner Band

- Infinitely variable
- Even for heavy to reach oil filter housings
- Easy adjustment on filter housing diameters due to turning of the knob
- Burled, very stable steel springe hinge for a secure hold on the filter. Therefore a perfect traction is provided
- Tightening strap out of chrome vanadium steel



Application Area

- Oil filter change

Title	Clamping range	PU Piece	Article No.
Oilfilter Spanner Band 110-155 mm	110 - 155 mm	1	245235
Oilfilter Spanner Band 65-105	65 - 105 mm	1	245237

AGR: 03.419

Spare Parts

	PU Piece	Article No.
Spare Band 65-105 mm	1	245227
Spare Band 110-155 mm	1	245228

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## 2K Oilfilter Spanner Band

- Ergonomic, cold-insulated and slip-resistant 2 component handle
- Infinitely adjustable
- For hard to reach oil filter housing
- Set the Simple Filter Diameter through Turn the knob on the handle end
- Napped very stable steel spring band for secure fit on the filter.  
This is a perfect force fit catered to release the filter
- Tightening strap made of chrome vanadium steel



### Application Area

- Oil filter change

Title	Clamping range	PU Piece	Article No.
Oilfilter Spanner Band 110-155 mm	110 - 155 mm	1	245234
Oilfilter Spanner Band 65-105 mm	65 - 105 mm	1	245236

AGR: 03.419

### Accessories Available

	PU Piece	Article No.
Spare Band 65-105 mm	1	245227
Spare Band 110-155 mm	1	245228

Special vehicle tools

Textile Strap Wrench

- Strong, antiskid fabric tape
- very high static friction

Application Area

- Opening and closing of all kind of cylindrical filters
- Adjusting, opening and tightening of pipelinges as well as round profiles and multi-square profile like e.g. square profile, hexagonal profile, octagon profile, and so on

Technical Data

Grip Material	1 component handle
---------------	--------------------



Title	Clamping range	Length	PU Piece	Article No.
Textile Strap Wrench 25-160 mm	25 - 160 mm	550 mm	1	248625
Textile Strap Wrench 40-240 mm	40 - 240 mm	860 mm	1	248624

AGR: 03.419

Oil Filter Spider 65 - 120 mm w. Adapter

- Wide range
- Universal usage
- 3 strong arms
- Precision thooth gear box for high clamping force

Scope Of Delivery

- Adapter 3/8" to 1/2"



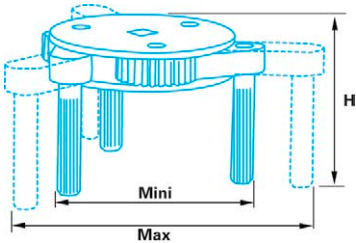
Title	Clamping range	Number Of Surface	Ø	Driver, Inch	PU Piece	Article No.
Oil Filter Spider	65 - 120 mm	3	85 mm	3/8 "	1	023557

AGR: 03.405

Oil Filter Claw

Technical Data

MaterialSteel



Title	Clamping range	Driver, Inch	PU Piece	Article No.
Oil Filter Claw	104 - 155 mm	1/2 "	1	030883

AGR: 03.419

INTERNAL/Approved (2019-03-22 17:46:34)

Special vehicle tools

Chain-Oil Filter Wrench Truck

- Solid exported oil filter wrench made of high quality special steel

Application Area

- Change of fixed and large oil filters in trucks



Title	PU Piece	Article No.
CHAIN OILFILTERWR. TRUCK 04664	1	061669

AGR: 03.419

3

Truck oilfilter pliers

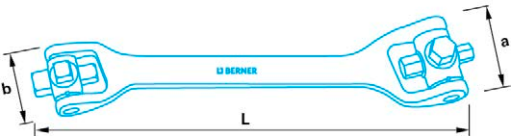
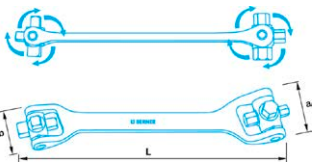
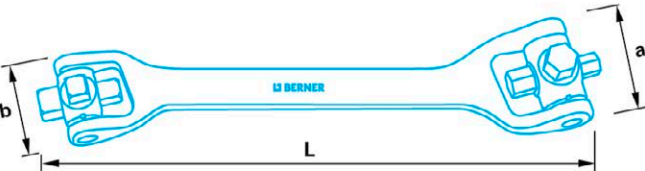


Title	PU Piece	Article No.
TRUCK OIL FILTER PLIER 170 MM	1	185056

AGR: 03.419

Oil Service  
Technical Data

MaterialChrome vanadium steel



Title	Length	PU Piece	Article No.
OIL DRAIN PLUG KEY WRENCH 8IN1	270 mm	1	153197

AGR: 03.419

INTERNAL/Approved (2019-03-22 17:46:53)

Fuel Filter Filling Unit

Application Area

- Fast, clean and unproblematic venting of diesel filters, concerning filter change, emty fuel tank or false fuelling etc.
- Suitable for all diesel vehicles and for direct injectors as well (e. g. DB CDI engines, Peugeot, HDI, Renault, Fiat, etc. ...)

Characteristics

- The fuel is sucked from the tank by means of a vacuum, ports: 6, 8, 12 mm

Title	PU Piece	Article No.
DIESEL FIL FILLING UNIT	1	172923
AGR: 02.290		



Gear Box Fill System KL-0124-43

- 12 liters are perfectly suitable for the safe and fast filling of gears, differential, engines, power steering wtc.
- The container can be quickly put under pressure with the help of the compressed air supply
- Therefore both hands are free during filling
- Alternatively the needed operating liquid can also be filled in by hand
- Especially at dense spaces or hard to reach areas the fillig in with the oil oumo and the container is quick, easy and clean exacutable



Special vehicle tools

- Due to the supplied universal and vehicle specific adapters is the oil pump with the container universally applicable

Application Area

- Especially suitable for transmission of VW-Audi, Ford, BMW, Honda, Nissan, Toyota, Mercedes, Volvo.

Scope Of Delivery

- Container 12 l with pump
- Hang up hook
- Hose with a valve and a fast coupling
- Adapter case with an adapter for:
  - - Ford transmission
  - -Volvo transmission
  - -VW transmission (M10x1.0)
  - 
  - - VW transmission short
  - - VW transmission long
  - - BMW, Honda, Nissan transmission
  - - Toyota transmission
  - - VW-Audi DSG transmission (M24x1.5)
  - - Audi CVT transmission (M22x1.5)
  - -Mercedes 722.9 transmission (M12x1.5)



3

Title	Capacity	PU Piece	Article No.
KL-0124-43 GEAR BOX FILL SYST	12 l	1	244109

AGR: 03.413

INTERNAL/Approved (2019-03-22 17:47:08)

Quickflow Pump

Application Area

- Suction or filling of liquids

Characteristics

- The Quickflow gear pump is a highly efficient gear pump which can be driven by a 3/8" pneumatic ratchet or a cordless screw-driver. Adapter included
- Suction or discharge lines with quick-release couplings for quick connection or replacement of adapters included in scope of delivery
- Made of robust and high-strength, fibre-reinforced polymer plastic
- Suction and/or filling of almost all liquids. Oil, transmission oil, hydraulic oil, water, windscreen antifreeze, diesel, brake fluid, Ad Blue, heating oil, ...
- ATTENTION: Not for petrol
- Packaged in a plastic case



Title	PU Piece	Article No.
Quickflow Gear Pump Gearbox	1	370171
Quickflow Gear Pump	1	370170
Quickflow Gear box Adapter	1	370172

AGR: 03.405

5-Star Screwdriver T20X260 KL-4306-8320

- Long and sleek design
- 5-star form
- T-handle for a better torque and contact pressure
- Torsion-resistant blade

Application Area

- Used in removal and installation of exterior mirrors of Mercedes vehicles



Title	Output	Cling Length 1	PU Piece	Article No.
5-Star Screwdriver	TX 20	220 mm	1	030957*

\* = The delivery time is 14 days  
AGR: 03.413

INTERNAL/Approved (2019-03-22 17:47:17)

Plastic Pry bar XS

- Very robust and flexible plastic levers
- 6 different shapes and therefore universally applicable
- Damage-free removal and assembly of O-rings and seals
- Cleaning of metallic or non-metallic surfaces
- Without scratching or damaging them



Application Area

- Removing and installing O-rings and seals
- Levering plastic closures to plastic linings
- Opening plastic housings
- Cleaning small parts
- Smoothing of epoxy, glue, silicone or the like

3

Title	PU Piece	Article No.
Plastic Pry bar XS	1	335124
AGR: 03.419		

Oil Drain plastic socket Set

- Remove and Install the plastic Oil drain plug without damagin
- Always the right socket in the set
- Easy to use with the included T-Bar

Application Area

- To remove and install the plastic Oil Drain plugs from FORD, PSA, BMW, VAG



For VAG or Berner 245444



For FORD / PSA or Berner 337862



For BMW or Berner 337861



For FORD or as drive for the others

Title	PU Piece	Article No.
Key Plastic oil drain Set	1	369058
AGR: 03.419		
Scope Of Supply	Amount	Article No.
Key Oil Drain Plug BMW	1	369060
Key Oil Drain Plug FORD/PSA	1	369059
T-Handle 3/8" for Oil Drain plug FORD	1	369061
VAG- Oil Drain Plug Socket wrench HEX	1	251264

INTERNAL/Approved (2019-03-22 17:47:33)

Oil Drain Plug Socket 3/8"

- Always the right socket in the set
- Easy to use with the included T-Bar
- 3/8" square drive and also 17 mm outside spanner drive

Application Area

- Remove and Install the plastic Oil drain plug without damagin



For VAG or Berner 245444



For FORD / PSA or Berner 337862



For BMW or Berner 337861

3

Title	Drive shape	Drive Size Inch	Output shape	Output Drive Size mm	Length	Color	PU Piece	Article No.
Key Oil Drain Plug FORD/PSA	4KT	3/8 "	LS	-	28 mm	black	1	369059
VAG- Oil Drain Plug Socket wrench HEX	4KT	3/8 "	LS	-	35 mm	black	1	251264
Key Oil Drain Plug BMW	4KT	3/8 "	6KT	10 mm	25 mm	black	1	369060

AGR: 03.419

Special vehicle tools

Oil Drain Plug T-Handle

Application Area

- Remove and Install the plastic Oil drain plug without damagin



Title	Output shape	Output Drive Size In Inch	Length	PU Piece	Article No.
VAG- Oil Drain Plug Socket wrench T-Bar	-	-	90 mm	1	251265
T-Handle 3/8" for Oil Drain plug FORD	4KT	3/8 "	73 mm	1	369061

AGR: 03.419

Accessories Available

	PU Amount	Article No.
OIL DRAIN PLUG 16,5X17 H23 PLA	10	245444

## Removing and refitting belt kit

- Universal kit for all elastic belts.

### Application Area

- For removal and installation of belts multicrans accessories (alternator, power steering pump ...) for not equipped systems with belt tensioners.

### Characteristics

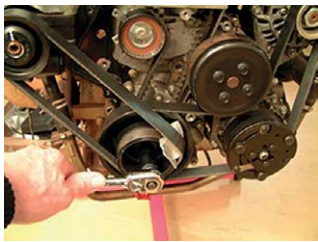
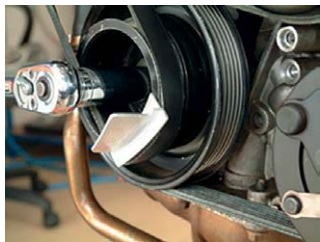
- Material: reinforced nylon.

### Processing Information

- 1 tool for removal.
- 1 tool for instalation.

Title	PU Piece	Article No.
STRETCH FIT BELT KIT	1	206995

AGR: 03.402



## Uni Flex Belt remove tool set Premium

- Fast and professional belt change
- No damage of the belt wheel and the belt
- Minimum effort
- Large work area due to different disassembly and assembly tools
- Easy handling

### Application Area

- Uni-Flex-Belt-Tool-Set, 9-parts, for the new elastic V-ribbed belts disassembly and assembly tool in the case



Special vehicle tools

Scope Of Delivery

- 1 x disassembling tool
- 1 x assembling tool type1, Ø50 mm
- 1 x assembling tool type2, Ø32 mm
- 1 x fixing nut M8
- 1 x fixing bolt M8x65 mm, pin Ø5.6x11.5 mm
- 1 x fixing bolt M8x40 mm, pin Ø5.7x20.0 mm
- 1 x fixing bolt M8x25 mm, pin Ø5.9x11.5 mm



3

Title	PU Piece	Article No.
Uni Flex Belt remove tool set Premium	1	245417

AGR: 03.419



Spark Plug Socket Wrench, Long

- Retaining device in socket wrench helps avoid dropping spark plugs
- Knurling for easier positioning

Application Area

- Long design for subjacent spark plugs

Characteristics

- Chrome vanadium steel plated



Title	Wrench Size 1	Drive Size Inch	Length, Maximum	Output Drive Type	PU Piece	Article No.
Spark Plug Socket Wrench	16 mm	3/8 "	90 mm	6KT 6-point socket	1	907227
Spark Plug Socket Wrench	21 mm	3/8 "	90 mm	6KT 6-point socket	1	907294

AGR: 03.410

Spark Plug Socket Wrench, Short

- Retaining device in socket wrench helps avoid dropping spark plugs

Application Area

- For subjacent spark plugs
- 14 mm hex: e.g. for Citroen C5 HPI, Peugeot 406 HPI, Renault Clio 1,2 16 V, Twingo 1,2 16 V
- 14 mm dodecahedron e.g. for Renault (Twingo, Clio), Peugeot

Characteristics

- Length 65 in chrome vanadium steel, length 230 in black



Title	Wrench Size 1	Drive Size Inch	Length, Maximum	Output Drive Type	PU Piece	Article No.
12K SKET SCR.-INS.3/8 14*65	14 mm	3/8 "	65 mm	12KT Bihexagonal	1	184923
Spark Plug Hex Socket Wrench	14 mm	3/8 "	230 mm	12KT Bihexagonal	1	175567
Spark Plug Hex Socket Wrench	14 mm	3/8 "	230 mm	6KT 6-point socket	1	171234

AGR: 03.011 / 03.402

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Socket Wrench for Spark Plug

- With a holding device in the socket wrench, to prevent the unintentionally drop out of the spark plug
- Knurling for easy positioning

Characteristics

- Top end knurled for quick positioning, holding device for the spark plug, long socket wrench for low-lysing spark plugs



Title	Drive Size Inch	Output shape	Output Drive Size mm	Length	PU Piece	Article No.
B.S16A1 SKT SPA.F.SPARK PL 1/2	1/2 "	6KT	16 mm	90 mm	1	907243
B.S16A2 SKT SPA.F.SPARK PL 1/2	1/2 "	6KT	16 mm	250 mm	1	907251
B.S18A1 SKT SPA.F.SPARK PL 1/2	1/2 "	6KT	18 mm	90 mm	1	907278

AGR: 03.410

Set of 6 spark-/ glow plugs socket

- Long socket wrench with a cardan joint
- Easy to reach spark- / glow plugs
- With a rubber insert to ensure a secure hold of the spark- / glow plugs during screwing out and in

Application Area

- Key PTO articulated 3/8 "for removal easy spark- / glow plugs



Characteristics

- GLOW PLUGS 8 mm:  
Mercedes-Benz: CDI motors in A-class W169 (2004) B-class W245,  
Vauxhall/Opel - 1.3 L CDTI motors in Agila, Corsa C etc.  
Fiat - 1.3L JTD motors in Doblo, Idea, Punto etc.

Scope Of Delivery

- 6 key PTO length 150 mm Ø: 8- 9 - 10 - 12 - 14 - 16.

Title	PU Piece	Article No.
Set of 6 keys candles gimbal	1	209250

AGR: 03.011

Scope Of Supply

	Piece	Article No.
Extra long glow plug socket 8 3/8"	1	209249
Extra long glow plug socket 9 3/8"	1	209251
Extra long glow plug 10 3/8"	1	209253
Extra long glow plug socket 12 3/8"	1	209254
Extra long glow plug socket 14 3/8"	1	209255
Extra long glow plug socket 16 3/8"	1	209256

Spark Plug Connector Pliers

Application Area

- Rapid and secure removal of heat insulation and spark plug connectors

Title	Length	PU Piece	Article No.
Spark Plug Connector Pliers	205 mm	1	001400

AGR: 03.402



INTERNAL/Approved (2019-03-22 17:48:20)

Valve Grinding Device

- Drill rotations are converted into alternating left/right rotations in the valve grinder

Application Area

- Simple grinding of valves and valve seats
- Inserted in a hand drill

Processing Information

- Recommended number of revolutions 400 – 900 Rpm
- Used only in conjunction with grinding paste

Scope Of Delivery

- Inclusive of a drive sucker



Title	PU Piece	Article No.
Valve Grinding Device	1	048100
AGR: 03.419		
Spare Parts	PU Piece	Article No.
Drive Sucker 22 mm 26492	1	048119

Special vehicle tools

Grinding Paste

Application Area

- Precise grinding of valves, bearings and nozzles

Characteristics

- Can be diluted with oil or petroleum, can be washed with petrol

Title	Container	Content	PU Piece	Article No.
Pre-Grinding Paste	Can	100 ml	1	048127
Post-Grinding Paste	Can	100 ml	1	048135

AGR: 04.611



Valve Seal Ring Pliers

Application Area

- Removes valve stem seals

Title	Length	PU Piece	Article No.
Valve Seal Ring Pliers	250 mm	1	240486

AGR: 03.419



Carbon Dioxide Leak Tester

- For all water-cooled engines
- Secure diagnostics using reaction liquid that changes color

Application Area

- Rapid and easy detection of leaking parts in cylinder head gasket, cylinder head and engine block
- Secure detection thanks to discolouration of the reaction liquid
- For all water cooled engines



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Special vehicle tools

Scope Of Delivery

- The set contains:
- Hand Pump
- Reaction liquor 300 ml
- Spray liquid 300ml

Title	PU Piece	Article No.
26470 Leak Tester Set complete	1	111961

AGR: 03.419

Scope Of Supply

	Piece	Article No.
Rinsing fluid 300ml	1	112275
Test fluid C0-232-1 300ml	1	110680

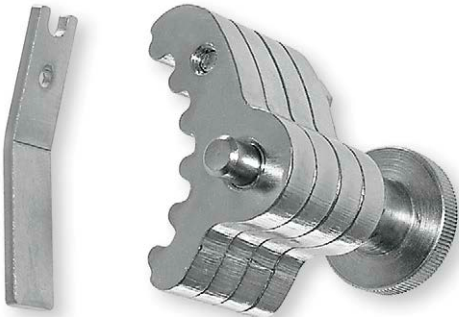
Locking Tool KL-0280-102A

Application Area

- Secure positioning of camshaft in toothed belt change or engine repair
- VW/Audi, Ford, Seat, Skoda
- 4-cylinder TDI and pump-nozzle engines

Title	PU Piece	Article No.
Locking Tool KL-0280-102A	1	164819*

\* = The delivery time is 14 days  
AGR: 03.413



# Universal timing gear holder nylon

- Slim tool for maximum access.
- Fast setup and easy to use.
- Maximum holding force.

## Application Area

- Allows to rotate, align pins pulley
- distribution or maintain during disassembly without
- damage to the pulley.

Title	Clamping Range	Length	PU Piece	Article No.
NYLON UNIV TIMING GEAR HOLDER	105 - 150 mm	400 mm	1	206994

AGR: 03.402



**Toothed Belt Clamping Wrench KL-0284-9**

- Can also be used in hard-to-access places due to the adjustment mechanism

**Application Area**

- Clamping of toothed belt at the tensioner pulley
- VW and Audi



Title	PU Piece	Article No.
Toothed Belt Clamping Wrench KL-0284-9	1	115422*

\* = The delivery time is 14 days  
AGR: 03.413

**Toothed Belt Tension Detector KL-0126-10**

- Adjustment security according to the manufacturer’s guidelines
- Simple handling
- Possibility of bilateral reading for hard-to-access places

**Application Area**

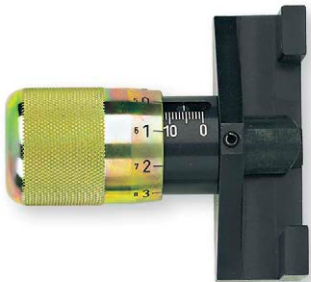
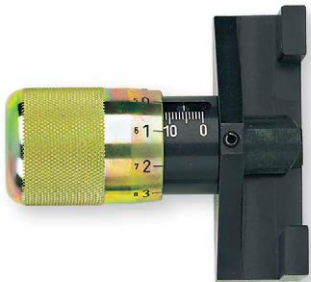
- Controlled adjustment of toothed belt tension according to the manufacturer’s guidelines

**Characteristics**

- Measuring range 0 – 20 mm, compact and stable metal structure

**Processing Information**

- 1 adjusting nut rotation corresponds to 1 mm
- 1 adjusting nut rotation corresponds to a spring force of 10 N or 1 kp



Title	PU Piece	Article No.
Toothed Belt Tension Detector KL-0126-10	1	118741*

\* = The delivery time is 14 days  
AGR: 03.413

Clamping Lever

- Changeable bearing seat

Application Area

- Loosening of the tension pulley during the exchange of the V-belt
- VW Polo, Golf, Passat, T4, Audi

Title	PU Piece	Article No.
Belt Clamping Lever KL-0284-12	1	122150*

\* = The delivery time is 14 days  
AGR: 03.413

5-Star Socket Wrench Set

Application Area

- For pumpline nozzles in plug-in pumps, for Atego und Actros
- VW/Audi: engines, doors
- Engines of agricultural machines

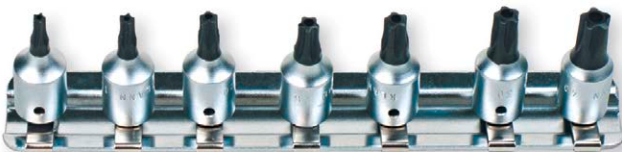
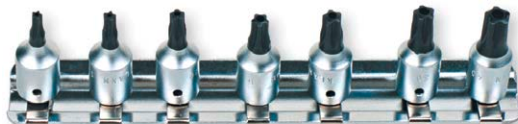
Characteristics

- Drive 1/4"
- Length 32 mm

Title	PU Piece	Article No.
5-Star Set	1	168679

AGR: 03.405

Scope Of Supply	Piece	Article No.
5-Star Socket Wrench, Wrench Size 10 mm	1	169309
5-Star Socket Wrench, Wrench Size 15 mm	1	169310
5-Star Socket Wrench, Wrench Size 20 mm	1	169311
5-Star Socket Wrench, Wrench Size 25 mm	1	169312
5-Star Socket Wrench, Wrench Size 27 mm	1	169313
5-Star Socket Wrench, Wrench Size 30 mm	1	169316
Socket wrench set 5-Star 1/4" 40mm	1	169446



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Surface Cutter

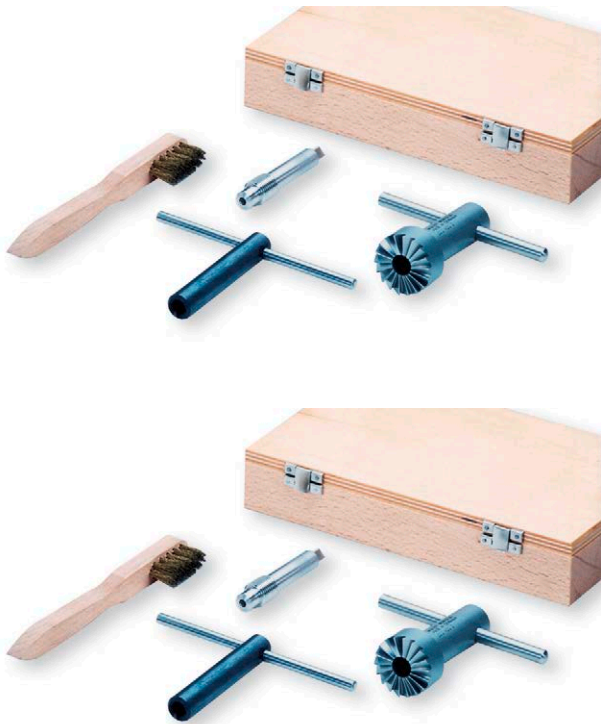
- Guarantees a correct and permanent fit of the tooth belt wheel, for having a precise and angled contact area on the front of the crankshaft

Application Area

- For Für VW Passat TD 74 PS, Golf, Golf 3, Golf TD, Vento, Jetta, T4 Transporter, almost all V.A.G., 4 cylinders from 1.9 l and vehicles with the sam engine as e.g. Audi/Skoda/Seat

3 Scope Of Delivery

- 1 milling cutter for face-milling attachments for 4 cylinders
- 1 centre bolt for face-milling attachments for 4 xylinders, M 14 x 1.5
- 1 special key for centre bolts
- 1 cleaning brusch
- 1 wooden box for face-millling attachments



Title	PU Piece	Article No.
SURFACE CUTTER	1	173326*

\* = The delivery time is 21 days  
AGR: 03.419

charge air testing system

- Charched-air system, which can be sealed up with hose clamps
- The testing tool KL-0124-51 K enables a secure, professional and quick leak test of the charched-air system
- Due to the mounting of the plug and the adapter plug the charched-air system can be squeezed off with a tyre pump.
- The leak test can be executed through a check on noise generation, leakage spray or a pressure drop. Leakages at hose connection, hooses, intercooler or turbocharger are therefore fast and easy detactable and localizable.
- The special form of the plugs ensures that they stick in tightly

Application Area

- Leak test of charged-air systems

Scope Of Delivery

- 6 plug-pairs(2 stes with a security bead) Ø 35 - 40, Ø 45 - 50, Ø 55 - 60, Ø 65 - 70, Ø 75 - 80, Ø 85 - 90
- Overpressure valve
- Extension hose (for slim constructions)
- Hose clip twister with a flexible shaft (SW6/7)
- Plastic case



3

Title	PU Piece	Article No.
charge air testing system	1	244110

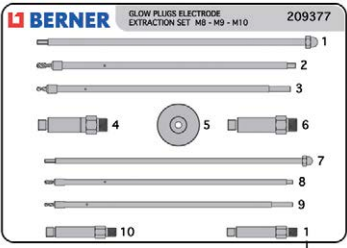
AGR: 03.413

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Special vehicle tools

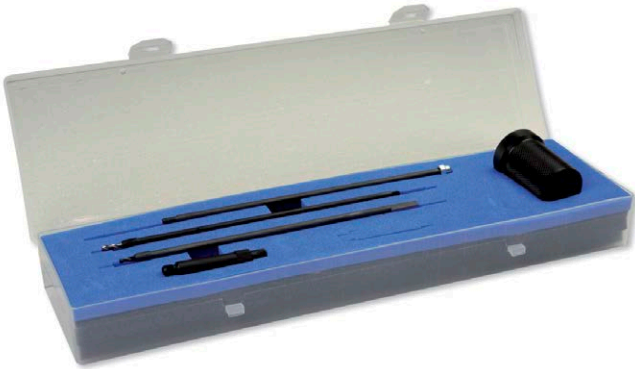
Glow Plug Tip Removal Kit

Title	PU Piece	Article No.
KIT REMOVAL FOR GLOW PLUGS TIP AGR: 03.419	1	209377
Related Products	PU Piece	Article No.
Socket wrench for taps M3-M10	1	228117
Socket wrench for taps M5-M12	1	228249



Glow Plug Tip Removal Kit

Title	PU Piece	Article No.
KIT REMOVAL FOR GLOW PLUGS TIP AGR: 03.419	1	209289
Related Products	PU Piece	Article No.
Socket wrench for taps M3-M10	1	228117
Socket wrench for taps M5-M12	1	228249



Hon-Tools

- Self-centering tool during the work process
- Flexible shaft for the use in hard to access areas

Application Area

- For the overhauling of cylinders on compression and hydraulic systems
- For automobile technology, construction and road construction machinery, agricultural machinery and general mechanical engineering technology
- Usable in drilling machines with 1.500 - 2.500 U/min

Characteristics

- 1/4"-drive shaft

Processing Information

- Adjustment of the working pressure on the shaft screw



3

Title	Number Of Hone Arms	for cylinder-Ø	Device Length	Segment Length	PU Piece	Article No.
HONING TL 2-ARM CF 64/2.9540	2 PC	23 - 50 mm	200 mm	28 mm	1	185671
HONING TL 3 ARM CF 63/2.9545	3 PC	22 - 50 mm	205 mm	28 mm	1	185680
HONING TL 3 ARM CF 68-A/2.9555	3 PC	35 - 80 mm	225 mm	50 mm	1	846682
HONING TL 3 ARM CF62-CS/2.9566	3 PC	50 - 175 mm	300 mm	100 mm	1	846705

AGR: 03.402

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Hon-Segments

Characteristics

- Lancia - 1.3 L JTD in Ypsilon
- -----
- HEATER PLUGS 9 mm:  
Vauxhall/Opel - 1.3 L CDTI motors in Astra-H, Signum, Vectra-C  
Fiat - 1,9 L JTD 16 V motors in Stilo
- -----
- HEATER PLUGS 10 mm:  
Mercedes VGA-almost all motors
- -----
- HEATER PLUGS 12 mm:  
Mercedes, VG, BMW, Peugeot, Renault – most models
- -----
- SPARK PLUGS 14 mm:  
Renault, Citroen, Peugeot- most models
- -----
- SPARK PLUG 16 mm:  
Alfa Romeo, Fiat, Ford, Mazda, Citroen, Peugeot, Honda,  
Mercedes, Nissan, Vauxhall, Porsche.....



Hints

- \*2-parted
- \*\* 3-parted

Title	Suitable For Honing Tool	Grain	Segment Length	PU Piece	Article No.
HONING SGM.2PCS.CF 64-1/2.9541	CF 64	Normal	28 mm	1	185698
HONING SGM.2PCS.CF64-14/2.9542	CF 64	fine	28 mm	1	846736
HONING SGM.3PCS.CF61-12S/29561	CF 60 CS	Normal	75 mm	1	302031
HONING SGM.3PCS.CF62-100/29572	CF 62 CS CF 69	Coarse	100 mm	1	846828*
HONING SGM.3PCS.CF62-12S/29570	CF 62 CS CF 69	Normal	100 mm	1	846804
HONING SGM.3PCS.CF62-14S/29571	CF 62 CS CF 69	fine	100 mm	1	846811
HONING SGM.3PCS.CF-63-1/2.9546	CF 63 CF 68 A	Normal	28 mm	1	185701

# Reaming for anti block system sensor

Title	PU Piece	Article No.
REAMING TL F. ABS-SENSOR VAG	1	168660

AGR: 03.419



Thread Reoair Range

Application Area

- The pro range for thread repair
- For thread repair and thread reinforcement, manual included
- The thread inserts are made from qualitative spring steel wire

Scope Of Delivery

- Insertion too, one of each M5, M6, M8, M10, M12
- Screw tap, one of each HSS M5, M6, M8, M10, M12
- Core hole drill, one of each HSS-G Ø 5,2, 6,3, 8,3, 10,4, 12,4
- Installation tool, one of each Nr. 08, 09, 10, 11, 13, 15
- Pin breaker, one of each Nr. 08, 09, 10, 11, 13, 15
- Thread inserts, 25 of each M5, M6, M8, M10
- Thread inserts, 10 pieces of M12



Title	PU Piece	Article No.
THREAD-REPAIR RANGE M5-M12 AGR: 03.980	1	122848

Thread Insert repair

- Repair of defective internal threads and for reinforcing threads
- Gas-tight, durable and long tool life

Application Area

- For the repair of spark plug thread inserts

Characteristics

- Kit for thread repair and thread reinforcement, manual included
- The thread inserts are made from qualitative spring steel wire



Special vehicle tools

Scope Of Delivery

- 1 x Mounting Tools
- 1 x threaded pin
- 5 x thread inserts M14 x 1.25 8.4 mm
- 5 x thread inserts M14 x 1.25 length of 12.4 mm
- 5 x thread inserts M14 x 1.25 length of 16.4 mm

Title	Thread	Length	PU Piece	Article No.
THREAD-REPAIR SET M 5	M 5 x 0.8	7.5 mm	1	122842
THREAD-REPAIR SET M 6	M 6 x 1	9 mm	1	122843
THREAD-REPAIR SET M 8	M 8 x 1.25	12 mm	1	122844
THREAD-REPAIR SET M10	M 10 x 1.5	15 mm	1	122845
THREAD-REPAIR SET M12	M 12 x 1.75	18 mm	1	122846
THREAD-REPAIR SET M12X1.25	M 12 x 1.25	18 mm	1	147106
THREAD-REPAIR SET M12X1.5	M 12 x 1.5	18 mm	1	147105
THREAD-REPAIR SET M14X1.25	M 14 x 1.25	21 mm	1	122847
THREAD-REPAIR SET M14X1.5	M 14 x 1.5	21 mm	1	147107
THREAD-REPAIR SET M16X1.5	M 16 x 1.5	24 mm	1	147108

AGR: 03.980

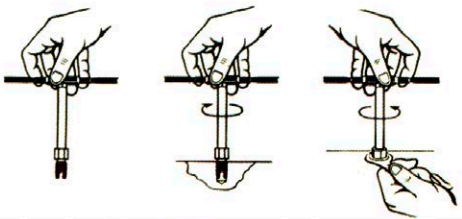
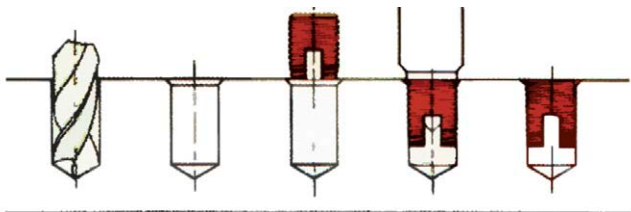
Self drilling sockets with thread

Characteristics

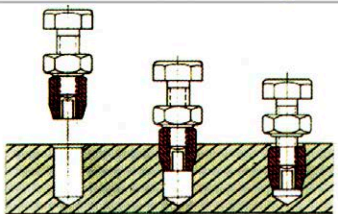
- The thread inserts are made from qualitative spring steel wire



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Montaje con Útil



Montaje Manual

Title	Thread	Receiving Hole Ø	Length	Content	PU Amount	Article No.
Threat Insert	M 5 x 0.8	5.3 mm	7.5 mm	10 PC	1	122850
Threat Insert	M 6 x 1	6.3 mm	9 mm	10 PC	1	122851
Threat Insert	M 8 x 1.25	8.3 mm	12 mm	10 PC	1	122852
Threat Insert	M 10 x 1.5	10.4 mm	15 mm	10 PC	1	122853
Screwinsert	M 10 x 1.5	10.4 mm	25 mm	10 PC	1	002821
Threat Insert	M 12 x 1.25	12.3 mm	18 mm	10 PC	1	147110
Threat Insert	M 12 x 1.5	12.4 mm	18 mm	10 PC	1	147113
Threat Insert	M 12 x 1.75	12.4 mm	18 mm	10 PC	1	122857
Screwinsert	M 12 x 1.75	12.4 mm	25 mm	10 PC	1	002822
Threat Insert	M 14 x 1.25	14.4 mm	12.4 mm	5 PC	1	122855
Threat Insert	M 14 x 1.25	14.4 mm	16.4 mm	5 PC	1	122856
Threat Insert	M 14 x 1.25	14.4 mm	8.4 mm	5 PC	1	122854
Threat Insert	M 14 x 1.5	14.5 mm	21 mm	5 PC	1	147111
Threat Insert	M 16 x 1.5	16.5 mm	24 mm	5 PC	1	147112

AGR: 03.980

Special vehicle tools

Replacement Bushing



3

Title	Thread	PU Piece	Article No.
THREAD-REPAIR SET M 9X1.25	M 9 x 1.25	1	166327
AGR: 03.980			
Spare Parts		PU Amount	Article No.
SPARE BUSHINGS PAC10PCS 9X1,25		1	006391
3-CUT DRILLER TIN 456208		1	175023

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Glow Plug Repair Kit

Title	PU Piece	Article No.
M10X1 GLOW PLUG REPAIR KIT	1	129453
M8X1 GLOW PLUG REPAIR KIT	1	129455

AGR: 03.419



Repairing Set for Lambda Sonde Screw Tap

Title	PU Piece	Article No.
Thread Driller DIN 2181 M 18 x 1,5	1	915149
Thread Bushing M 18 x 1,5	1	915165

AGR: 10.149



Thread Cutter Universal

Title	PU Piece	Article No.
THREAD CUTTER UNIVERSAL AGR: 03.419	1	030660



Die Adapter Set

- No complicated handling with normal die holders, which are only limited suitable for garage use
- Optimal for places which are difficult to access, e.g. exhaust pipe studs

Application Area

- Universal useable for round dies from M 3 to M 24

Scope Of Delivery

- Die Adapter size 1 (M 3 - M 6)
- Die Adapter size 2 (M 7 - M 8)
- Die Adapter size 3 (M 9 - M 10)
- Die Adapter size 4 (M 11 - M 14)
- Die Adapter size 5 (M 18 - M 20)
- Die Adapter size 6 (M 22 - M 24)
- Gag for extension, extension for die adapter
- Plastic case



3

Title	PU Piece	Article No.
DIE HOLDER ADAPTERS-SET	1	170749

AGR: 10.144

Left-Handed Drill TIN Bits 4 part set Similar to  
DIN 1897 **PREMIUM***line*

Characteristics

- Delivered in practical wooden case

Title	PU Assortment	Article No.
DRILL SET PREMIUM 338 TIN 4PC.	1	165389
AGR: 10.106		
Scope Of Supply	Piece	Article No.
Left-Handed Drill Bit TIN Similar to DIN 1897 CO 6,5 PREMIUMline 3 mm	1	167411
Left-Handed Drill Bit TIN Similar to DIN 1897 CO 6,5 PREMIUMline 4 mm	1	167412
Left-Handed Drill Bit TIN Similar to DIN 1897 CO 6,5 PREMIUMline 6 mm	1	167413
Left-Handed Drill Bit TIN Similar to DIN 1897 CO 6,5 PREMIUMline 7 mm	1	167414



Profile Socket 3/8"

Application Area

- For unscrewing torn out bolts and screws



3

Title	Ø	Drive Size Inch	Length	PU Piece	Article No.
PROFIL-SOCKET 3/8" 2MM	2 mm	3/8 "	60 mm	1	054145
PROFIL-SOCKET 3/8" 3MM J42791	3 mm	3/8 "	60 mm	1	054146
PROFIL-SOCKET 3/8" 4MM	4 mm	3/8 "	60 mm	1	054147
PROFIL-SOCKET 3/8" 6MM	6 mm	3/8 "	60 mm	1	054148

AGR: 03.012

Special vehicle tools

Spiral Impact Socket 1/2"

- Sleeve reverse spiral allowing removal of the fastener head with unscrewable not damaged with a standard socket.
- Use of an impact wrench impact 1/2 ".
- Livré avec un chasse pour sortir la pièce de la douille.

Application Area

- To remove nuts or screws with damaged or rounded head.

Scope Of Delivery

- 13 impact sockets 1/2 "spiral reversed Ø 11/12/10 - 13-14 -16 Under - 17 - 18-19 - 21-22 - 24-27 mm.
- 1 flush extraction
- Livré en coffret métal.



Title	PU Piece	Article No.
SPIRAL IMPACT SOCKET 1/2" 14PC	1	053750

AGR: 03.018

Scope Of Supply	Piece	Article No.
Drift 8/12mm	1	054118
Impact Spiral Wrench 1/2" 10mm	1	054119
Impact Spiral Wrench 1/2" 11mm	1	054120
Impact Spiral Wrench 1/2" 12mm	1	054121
Impact Spiral Wrench 1/2" 13mm	1	054122
Impact Spiral Wrench 1/2" 14mm	1	054123
Impact Spiral Wrench 1/2" 16mm	1	054124
Impact Spiral Wrench 1/2" 17mm	1	054125
Impact Spiral Wrench 1/2" 18mm	1	054126
Impact Spiral Wrench 1/2" 19mm	1	054128
Impact Spiral Wrench 1/2" 21mm	1	054129
Impact Spiral Wrench 1/2" 22mm	1	054130
Impact Spiral Wrench 1/2" 24mm	1	054131
Impact Spiral Wrench 1/2" 27mm	1	-

Locking Lug Nut Removal Kit

- Innovative development
- Wheel bolts or wheel locks are always improved and the matter becomes ever harder, the space between the rim and the screw is less
- Tire workshops in particular know the problem with defective wheel bolts or wheel locks
- This tool must be used on all known wheel bolts. A tool for all cars
- No damage to the rim, correct guidance and proper application
- No excessive load on the axle load when unscrewing the defective wheel bolt or key
- Very high time and cost savings
- All included in one set
- Also to use on free wheel locks
- Very high quality steel

Application Area

- The wheel bolt extractor set is the ultimate tool to Defective wheel bolts or lock nuts to the fastest and Safest way.

Processing Information

- Very simple and fast application
  - 1 - Centering
  - 2 - hole drilling
  - 3 - Bore Turning
  - 4 - Unscrew the screw
  - 5 - Remove the wheel
  - 6 - Remove the borer with the extractor from the screw

Scope Of Delivery

- 4 x nylon centering
- 3 x metal guide sleeves
- 1 x metal guide sleeve for free-standing locking screws
- 2 x Specially supplied drills
- 4 x driller
- 1 x batting
- 1 x extract



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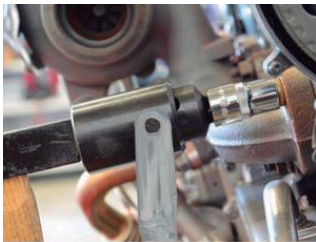
Title	PU Piece	Article No.
Locking Lug Nut Removal Kit	1	338684

AGR: 03.404

Special vehicle tools

Spare Parts	PU Amount	Article No.
Extract Locking Lug Nut, 4 pc's	1	338683
Drills Locking Lug Nut, 5 pc's	1	338685

Impact bar 1/2"



Title	Drive	Length	PU Piece	Article No.
Impact bar 1/2"	4KT 1/2"	265 mm	1	250877

AGR: 03.012

Body Repair Kit 10T

- Wide range of accessories for universal use
- Short set-up using a plug
- Easy transportation by wheeled suitcase

Application Area

- Universal use for lifting, pressing, clamping, pressing and tensioning
- e.g. Side parts, end plates, front panels, roof parts

Characteristics

- Pressure force up to 10 t, max. Working length 1750 mm plus. Impact of each essay

Scope Of Delivery

- Complete accessories included in the set



3

Title	PU Piece	Article No.
Body Repair Kit 10T	1	186131
AGR: 03.419		
Scope Of Supply	Piece	Article No.
10T 500KG SPREADER RAM	1	186139
10T MALE CONNECTOR	1	186129
10T 3-1/8 ZOLL RUBBER HEAD	1	186132
10T 90"V" BASE	1	186135
10T EXTENSION TUBE 12	1	186140
10T EXTENSION TUBE 25	1	186141
10T EXTENSION TUBE 53	1	186142
10T EXTENSION TUBE 61	1	186143
10T FLAT BASE	1	186133
10T HYDRAULIC HAND PUMP	1	187185
10T HYDRAULIC HOSE	1	186144

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Special vehicle tools

Scope Of Supply	Piece	Article No.
10T RAM	1	186130
10T SERRATED SADDLE	1	186137
10T SPREADER RAM TOE	1	186138
10T WEDGE HEAD	1	186134
10T SPREADER PLUNGER TOE	1	186136
Accessories Available	PU Piece	Article No.
coupling for impression cylinder	1	000250
10T REPAI KIT	1	187184
10T REPAIR KIT RAM	1	187180
10T REPAIR KIT SPREADER	1	187186

Tension Clip



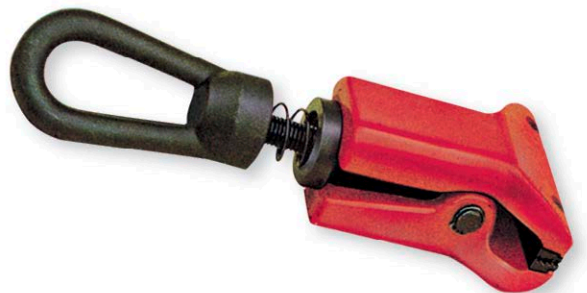
Title	Jaw Width	PU Piece	Article No.
126 TENSION CLIP "PIKOLO"	40 mm	1	880302

AGR: 03.419

INTERNAL/Approved (2019-03-22 17:51:58)

Automatic Pull Clamp

- Self-clamping force increases with tractive force, due to the fork crown
- Patented swivel for fixing jaw opening



3

Title	Tensile Load	Jaw Width	PU Piece	Article No.
Pull Clamp BR 10-131	6 t	60 mm	1	762750*

\* = The delivery time is 35 days  
AGR: 08.020

Pull Clamp, Thin

- Extra thin jaws for narrow places
- Characteristics**
- Strengthened design

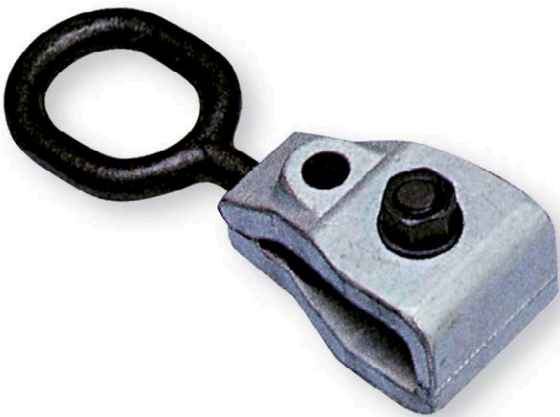


Title	Tensile Load	Jaw Width	PU Piece	Article No.
Pull Clamp BR 10-126	6 t	45 mm	1	762709

AGR: 08.020

INTERNAL/Approved (2019-03-22 17:52:11)

Pull Clamp



Title	Tensile Load	Jaw Width	PU Piece	Article No.
Pull Clamp BR 10-125	6 t	70 mm	1	762695*

\* = The delivery time is 35 days  
AGR: 08.020

Universal clip 148

Application Area

- Suitable for all traditional pulling tasks on automotive bodies

Characteristics

- Hand fixation with a screw and a nut



Title	Tensile Load	PU Piece	Article No.
148 UNIVERS TENSION CLIP 45 MM	4 t	1	119397

AGR: 08.020

INTERNAL/Approved (2019-03-22 17:52:16)

## 2501S Chain 2,50M - 1 Hook

### Characteristics

- galvanised
- electrically welded

Title	PU Piece	Article No.
2501S CHAIN 2.50 M - 1 HOOK	1	141901
AGR: 08.020		



3

## Hydraulic Wheel Hub Extractor

Title	PU Piece	Article No.
HYDRAULIC WHEEL HUB EXTRACTOR	1	020452
AGR: 03.419		



Grade Lever

Application Area

- Very suitable for the adjustment and straightening of car doors and panes



3

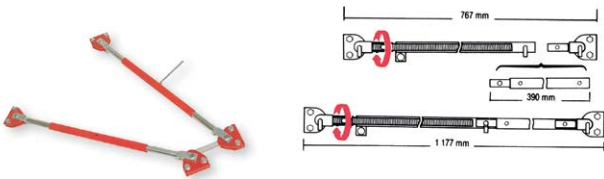
Title	PU Piece	Article No.
GRAD.LEVER AGR: 03.419	1	168663

Door clamping tool BR 10 - 121

- Prevents distortion of the door frame during straightening work on the body (tension and compression resistant)
- Due to the very flat double toothed clamps made of special hardened steel, the vehicle doors can be closed during judging
- For all vehicle types can be set exactly

Characteristics

- Maximum load 2 T



Title	PU Piece	Article No.
BR 10-121 DOOR TENSIONER * = The delivery time is 28 days AGR: 08.020	1	149453*

INTERNAL/Approved (2019-03-22 17:52:32)

Body Dent Puller Set

Application Area

- Pulling out simple bodywork damages

Characteristics

- Versatile tool with extensive range of hooks



Title	PU Piece	Article No.
Body Dent Puller Set 96 A	1	104822

AGR: 03.419

Dent Removal Hook Set

Application Area

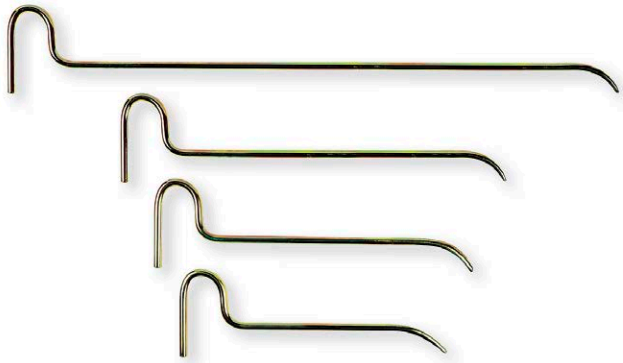
- Pushes dent back without damaging paint (hail damage parking damage etc.)

Processing Information

- Dent is removed by rubbing
- Dent should be fixed by holding opposite light during working

Scope Of Delivery

- 1x dent removal hook 300 mm
- 1x dent removal hook 400 mm
- 1x dent removal hook 500 mm
- 1x dent removal hook 800 mm



Title	PU Piece	Article No.
Dinging Hook Set, 4-piece	1	134114

AGR: 03.419

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Assamling Wedge

Application Area

- Gentle demounting of sensitive components, no varnish damages
- Ideal for coverings etc.



Title	PU Piece	Article No.
ASSAMBLING WEDGE	1	033543*

\* = The delivery time is 21 days  
 AGR: 03.419

Mould Brake Hammer Set

Application Area

- Hand-forged set for a pinpoint flattening of heavy to access body parts and for the "colorless" repair of bucklings
- For the elimination of dents after rockfalll (bonnet, roof, etc.)
- For the pushing out of dents after a hailstorm
- For the pulling out of dents after an impact from a door (at narrow parking spaces)
- Precise working on beads, souble sheets, edges, hemmings, bonnets....

Hints

- For heating up the varnish we recommend our hot-air fan BHAB 2300 E

Title	PU Piece	Article No.
MOULD BREAK HAMM SET 3-PCS.	1	170690*
MOULD BREAK HAMM SET 4-PCS.	1	170689*

\* = The delivery time is 21 days

AGR: 03.419

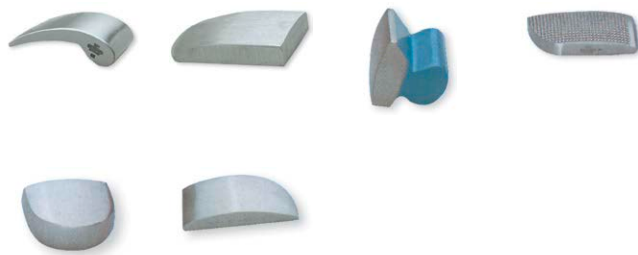


3

Bending Anvil

Characteristics

- Heat-treated steel according to DIN 17200 article number 1.0503,
- Laquered, grounded working surface



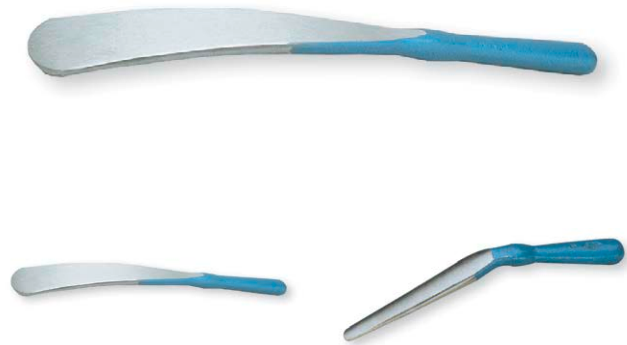
Title	Height	Length	Width	Weight	PU Piece	Article No.
DINGING IRON NO. 283	68 mm	70 mm	54 mm	1270 g	1	741183
DINGING IRON NO. 285	23.5 mm	110 mm	68 mm	1050 g	1	818245
DINGING IRON NO. 281	36 mm	130 mm	55 mm	950 g	1	588199

AGR: 03.411

Flat Lever Bar

Characteristics

- Heat-treated steel according to DIN 17299 article number 1.0503,
- Varnished, polished work surfaces



Title	Length	PU Piece	Article No.
FLAT SPOON NO. 291	390 mm	1	588229

AGR: 03.411

Pry and Bumping spoon big

Characteristics

- Cranked and cambered
- 500mm



Title	Length	Weight	PU Piece	Article No.
Prybar long pattern 500mm	500 mm	2200 g	1	588245

AGR: 03.411

INTERNAL/Approved (2019-03-22 17:53:17)

Rubber block set 2prt

- Massive steel core bonded with rubber leads to a holohedral surface

Application Area

- Especially for car bodies out of steel, hightensile and super high-strength steel
- For aluminium bodies as well as for thin steel sheets
- Optimum application on door panels, track enlargement and for direct removal of dents

Characteristics

- Dressing of iron sheet without flattening or shrinking



Technical data		
	Dimensions:	Weight:
Rubber block:	120 x 75 x 40 mm	685 g
Rubber block:	65 x 75 x 40 mm	395 g

Title	PU Piece	Article No.
RUBBER DINGING SET 2 PCS	1	005139*

\* = The delivery time is 21 days  
AGR: 03.403

## Rubber-Block Anvil- Set 7 pieces

- Massive steel core surrounded by a rubber mantle.
  - Therefore the contact area is more complete than common steel blocks
- Ideal in combination with a buckling iron <softreturn>(colorless dent reparation)

### Application Area

- Especially for the processing of aluminium bodies as well as bodies out of high-quality and high-strength, extra thin, steel sheet

### Characteristics

- Straightens the metal sheet without stretching or shrinking



3



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Special vehicle tools

Smoothing Hammer

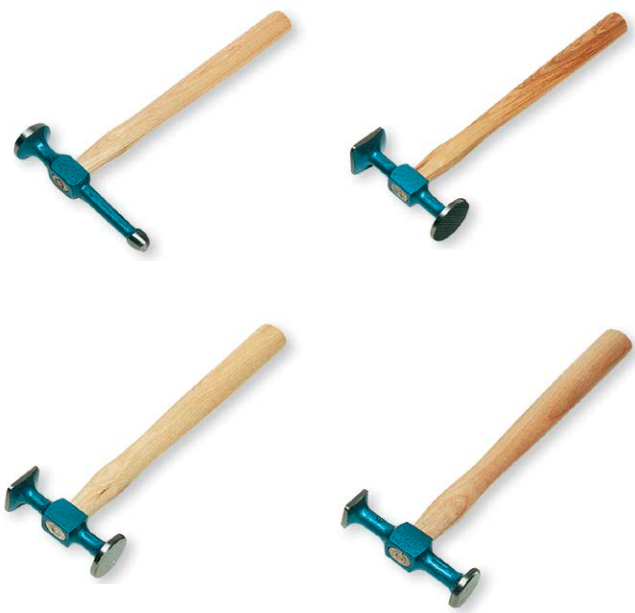
- With a maneagable ash handle

Characteristics

- Heat-treated steel according to DIN 17200 article number 1.0503,
- Painted blue, grounded working surface

Technical Data

Shaft	Wood
-------	------



Title	Ø head	Total Weight	Length	Head Length	PU Piece	Article No.
SMOOTHING HAMM. NO. 273	32 mm	300 g	300 mm	105 mm	1	588172
SMOOTHING HAMM. NO. 272	40 mm	350 g	300 mm	100 mm	1	588156
DRIVE HAMMER NO. 275	40 mm	450 g	300 mm	160 mm	1	741159
SMOOTHING HAMM. NO. 274	46 mm	550 g	320 mm	115 mm	1	111994

AGR: 03.411

Pulling Hammer

Application Area

- Pulling operation of material without stretching

Characteristics

- Vibrating impact effect thanks to rotatable head, rubber coating tip, ergonomically-shaped Peddiman Hickory handle, length 310 mm

Technical Data

Shaft	Hickory
-------	---------



Title	Ø head	Total Weight	Length	PU Piece	Article No.
Pulling Hammer	41 mm 32 mm	420 g	310 mm	1	755125

AGR: 03.403

Special vehicle tools

Plastic hammer

- Special plastic that will not shiver
- This leads to a gentle and precise car body work

Characteristics

- Built out of special plastic

Technical Data

Shaft	Wood
-------	------



Technische Daten:		
	Gr. 1	Gr. 2
Länge:	120 mm	140 mm
Ø:	30 mm	60 mm

Title	Ø head	Length	PU Piece	Article No.
Plastic hammer sz 1	30 mm	120 mm	1	168661*
Plastic hammer sz 2	60 mm	140 mm	1	168662*

\* = The delivery time is 21 days  
AGR: 03.419

Exhaust Rubber Hook

Application Area

- For the disassemblage and assemblage of rubber rings on muffler-suspensions

Characteristics

- Forged hook,
- Chromium-plated,
- With a massiv cross-handle,
- Plastic coated

Hints

- Exhaust rubber hook 12411: with 105° angled loong hook for rubber profile



3

Title	Length	PU Piece	Article No.
12410 EXH RUBB MOUNT-HOOKS	200 mm	1	847023
12411 EXH RUBB MNT-HOOKS STR	200 mm	1	846989*

\* = The delivery time is 21 days  
AGR: 03.419

Dentfix Repair Set

- Easy and quick use
- Fixing of dents without removing parts and without painting
- Maximise profit- reduces the cost and repair of used cars, leasing cars etc.
- Fine tuning pulling pliers
- Optional: can be used with puller hammer

Application Area

- Removes flat dents which are max 5 cm Ø on car body, etc. vehi- cles, work vehicles, caravans



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Special vehicle tools

- Especially ideal for dents which have been caused by hail

Characteristics

- Blue adhesive bars: can be used at 0 – 20 °C. metal temperature
- Gray adhesive bars: can be used at 15 – 35 °C. metal temperature

Processing Information

- Mark operation area, clean with Micro Stretch cloth
- Locate proper adhesive and puller button by centering over dent
- Pulling of cavity with puller hammer and puller pliers
- Adhesive residue can be removed by an alcohol-based cleaner
- Back Beat the extended Dent using PTFE Stemmer



Title	PU Set	Article No.
Dentfix Rep. Set with Pulling Hammer	1	038849
Dentfix Repair Set, without Pulling Hammer	1	026935
AGR: 03.403		
Scope Of Supply	Piece	Article No.
Hot Bonding Gun	1	-
Glue Gun 3002	1	737186
Melting Adhesive , Blue	1	034089
Melting Adhesive , Grey	1	034090
Adhesive Pin, Big, Flat	1	037027
Adhesive Pin, Big, Circular	1	037028
Adhesive Pin, Small, Flat	1	037025
Adhesive Pin, Circular	1	037026
Teflon Level	1	037030
Marking and Labeling Set Professional Marker	1	017343
Micro Stretch Soft 5pcs	1	-

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Accessories Available	PU Piece	Article No.
Puller Hammer 1200 g	1	037031
PULL KNOP XL ROUND	1	201226

## Manual Vacuum dent Puller

- Powerful vacuum pump in the handle. No compressor required to generate vacuum
- Various adapters included
- The paint of the vehicle will not be damaged, if the tool is used correctly
- Second handle for secure handling
- Easy accessible drain valve
- Universal hook included
- Usable on all smooth surfaces

### Application Area

- Pulling out of large dents on vehicles or metal paneling

### Scope Of Delivery

- Vacuum pull rod
- Slide hammer
- 3 various vacuum cups
- Protection caps for vacuum cups
- Universal hook
- Second handle



Title	PU Piece	Article No.
Manual Vacuum dent Puller	1	219149

AGR: 03.419

Door Lining Pliers

Application Area

- Simple and paintwork-friendly loosening of fastening clips of door linings

Characteristics

- Flattened claw tips, a special stainless, burnished steel, handles are chrome-plated



Title	Length	PU Piece	Article No.
Door Lining Pliers	240 mm	1	876607

AGR: 03.403

Door panel level New line

Application Area

- For the easy removal of automotive staples (door panels, mud-guards etc ...)

Characteristics

- Flattened claw tips.



Title	Length	Fork Opening	PU Piece	Article No.
Door panel level New line	260 mm	7 mm	1	341499

AGR: 03.403

## Cushion Clamps Pliers

### Application Area

- For the fastening of upholstery clamps on car seats

### Technical Data

Grip Material	1 component handle
---------------	--------------------

Title	Length	PU Piece	Article No.
12108 UPHOLST.CLIPS-PLIERS	185 mm	1	891088

AGR: 03.209



3

## Assembly Pliers

### Characteristics

- Oversize version, therefore an extremely long and deep working area
- The handles are plastic coated and optimal for working on hard to reach areas like e.g. the removing of the headlamps of all vehicles of the V.A.G - groupe and of all vehicle types from Mercedes

### Technical Data

Grip Material	1 component handle
---------------	--------------------

Title	PU Piece	Article No.
ASSEMBLY PLIERS S-FORM	1	169341

AGR: 03.209



**Clamping Tongs**

- Less expenditure of energy thanks to long lever (one- hand operation)
- Clamping and pressing in order to create material bulging and to provide some clearance towards adjacent components
- Robust version for a prolonged lifetime

**Application Area**

- Easy and clean clamping of axle collar clamping straps and axle collar gripper clamps



Title	PU Piece	Article No.
Clamping Tongs AMS 10	1	885380

AGR: 16.910

Assembly Extractor Set

- Fast and easy affixing
- with wing nut for individual adjustable contact pressure
- easy removal by lifting the flap

Application Area

- Securing and fixing of car windows
- decorative frame and trim

Characteristics

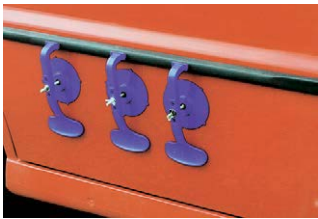
- Length 180 mm, diameter of the suction cup 82 mm

Processing Information

- During painting work it is not enough to simply mask trims, window frames, emblems, etc, as the removal of the mask often results in spoiling the fresh paint
- Trims and window frames are bent during disassembly and it is very difficult to fix them again
- Suck'n clamp helps you after painting work or the exchange of a window to fix them in a even way
- Due to a wing screw the vacuum and therefore the negative pressure is adjusted individually. By lifting the flap Suck'n clamp can be removed without residues

Scope Of Delivery

- 6 assembly extractors



Title	PU Carton	Article No.
ASSEMBLY EXTRACT. SET 6 PCS	1	139057

AGR: 03.419

INTERNAL/Approved (2019-03-22 17:54:52)

Special vehicle tools

Windshield Fixing Set

- Adapts to every windshield concavity and guarantees a secure hold
- Uniform distribution of pressure by lashing straps in the assembly of glued windshields
- Bearing capacity of 60 kg

Application Area

- Used for the transport and assembly of windshields

Scope Of Delivery

- 2 suction lifters and lashing strap (4 m) with a tensioning ratchet

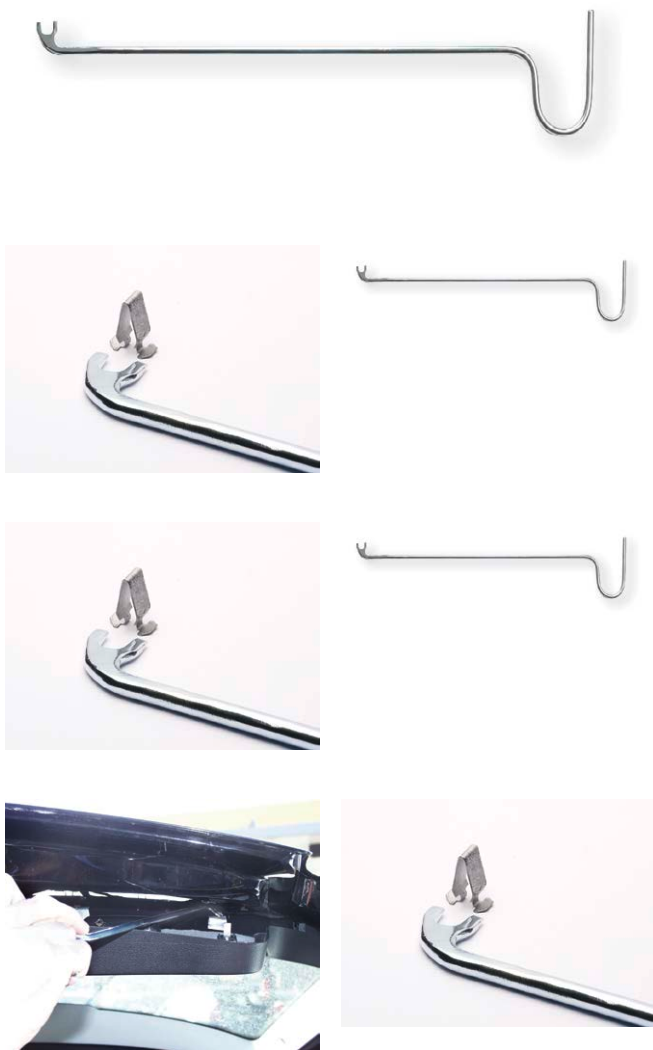


Title	Length	PU Piece	Article No.
Windshield Fixing Set	4000 mm	1	165484
AGR: 03.403			
Scope Of Supply		Piece	Article No.
Single VacuumLifter 60 kg Size 2		1	155748
Lashing belt, 1-part 500DAN 4mx25 mm		1	055408

Hook for Interior Lining

Application Area

- Universal tool for the assembly and disassembly of holding springs at the vehicle interior cover panels which are difficult to access
- The problem especially occurs with: tailgate cover panels e. g.: Golf 4, Audi A3, A6, A4 Avant, as well as structurally identical group vehicles



3

Title	Length	PU Piece	Article No.
HOOK FOR INTERIOR LINING	500 mm	1	030886*

\* = The delivery time is 21 days  
AGR: 03.419

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Trim Strips Combination Wedge

Application Area

- Combined universal tool  
Very suitable to loosen the door clips



Title	Length	Length x width	External Width	PU Piece	Article No.
DECOR. BATTEN WEDGE 200X30MM	200 mm	200 x 30 mm	30 mm	1	007035

AGR: 03.419

Special vehicle tools

Plastic Clip Pliers

- High-quality pliers out of polished stainless steel
- Sits comfortably in one hand, due to a new design
- Retaining grooves on the handle
- Damage of the clip
- Universally applicable

Application Area

- For the installation of plastic clips at vehicle linings or engine covers



Title	PU Piece	Article No.
Plastic Clip Pliers	1	219483

AGR: 03.419

Trim Pin Remover Set, A2

- Universally applicable due to various blades
- Sharpened blades made of stainless steel
- Two-component handle
- Highly robust

Application Area

- Dissolving of moldings, paneling, protective caps and retainer clips

Title	PU Piece	Article No.
Trim Pin Remover Set, A2	1	216502

AGR: 03.701

Scope Of Supply	Piece	Article No.
TRIM PIN REMOVER U-FORM, A2	1	216497
TRIM PIN REMO. U-FORM SMALL,A2	1	216501
TRIM PIN REMO. U-FORM BEND, A2	1	216498
TRIM PIN REMO. V-FORM SMALL,A2	1	216499
TRIM PIN REMOVER Y-FORM, A2	1	216495



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Special vehicle tools

Trim Pin Remover Stainless Steel

- Very robust design made of stainless steel
- Angled ground blades
- Various blades for universal use
- 2-component handle with hanging hole



Title	Length	Width	Fork Opening	Shape	PU Piece	Article No.
TRIM PIN REMO. U-FORM SMALL,A2	230 mm	12.8 mm	6.15 mm	U-Form	1	216501
TRIM PIN REMO. V-FORM SMALL,A2	230 mm	12.8 mm	1 - 4.4 mm	V-Form	1	216499
TRIM PIN REMOVER Y-FORM, A2	230 mm	12.8 mm	4 - 12.5 mm	Y-Form	1	216495
TRIM PIN REMOVER U-FORM, A2	230 mm	31.5 mm	8.2 mm	U-Form	1	216497
TRIM PIN REMO. U-FORM BEND, A2	260 mm	31.4 mm	8.4 mm	U-Form	1	216498

AGR: 03.403

Related Products

	PU Amount	Article No.
Trim Pin Remover Set, A2	1	216502

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Special vehicle tools

Plastic Wedge, Bilateral V-Formation

Application Area

- Paintwork-friendly loosening of trim and bumper mouldings, manhole coverings, rubber seals etc.



Title	Length	Height	Width	PU Piece	Article No.
Assembly Wedge, Bilateral V-Formation	250 mm	0.2 - 11 mm	20 mm	1	104130

AGR: 03.403

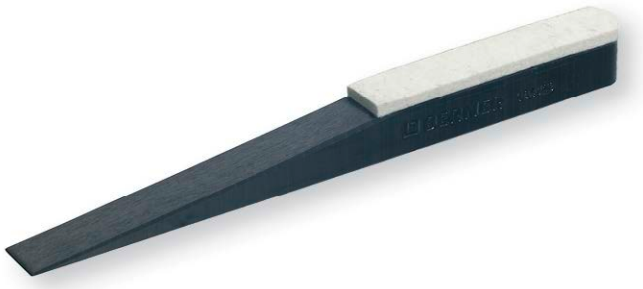
Plastic Wedge with Felt Overlay

Application Area

- Paintwork-friendly loosening of trim and bumper mouldings, manhole coverings, rubber seals etc.

Characteristics

- Shock-resistant plastic, has a hole for hanging



Title	Length	Height	Width	PU Piece	Article No.
ASSY.WEDGE WEDGE SHAPED	200 mm	1 - 25 mm	30 mm	1	102447
Assembly Wedge with Felt Overlay	260 mm	0.2 - 25 mm	20 mm	1	104129

AGR: 03.403 / 03.413

Assembly Wedges Set 3 pieces

Title	PU Piece	Article No.
ASSY.WEDGES SET 3-PCS.	1	102446

AGR: 03.403

Scope Of Supply	Piece	Article No.
ASSY.WEDGE WEDGE SHAPED	1	102447
Assembly Wedge with Felt Overlay	1	104129
Assembly Wedge, Bilateral V-Formation	1	104130



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Trim Panel Remover

- Removing of door panels or trims
- Due to the special plastic schratches or outhter dameges on the varnish of the vehicle can be prevented
- Due to the various forms and dimensions it is almost always possi- ble to remove the mounting clips

Hints

- Lever can be ordered individually

3

Title	PU Piece	Article No.
PLASTIC HANDLE SET 5PC	1	053623

AGR: 03.419



Set of Winbag Installation Pillows

- No damage to the frame due to the soft inflatable pillow - no scratches
- Millimeter precise fitting of the elements to be mounted - simple adjustment
- After adjustment with Winbag immediately ready for installation and joints - free joints
- Saves installation time
- Easy mounting of doors

3 Application Area

- For fitting windows quickly and simply, without causing any damage

Characteristics

- Slim design - Winbag is 2 mm thick and therefore can be pushed between door and frame or between window and rubber strip

Hints

- It has to be sprayed with silicone spray before use

Scope Of Delivery

- 1 Set Winbag (4 units) and 1 practical belt hook
- 1 Winbag without belt hook

Title	External length X width	Length x width	PU Piece	Article No.
Windbag Installation Pillow	150 x 160 mm	160 x 150 mm	1/2/4	159134

AGR: 03.990



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Special vehicle tools

PDC Tool Set

- The set covers all standard parking sensor sizes
- Easy to use
- special cutting angle ensures perfect fitting holes
- no repainting required

Scope Of Delivery

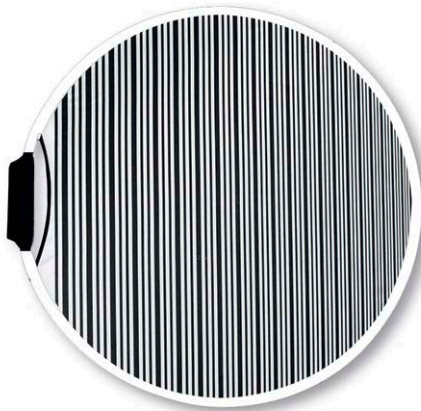
- Supplied in a stable plastic box



Title	PU Piece	Article No.
PDC Tool Set	1	243981
AGR: 03.419		
Scope Of Supply	Piece	Article No.
PDC Tool 18 mm	1	243985
PDC Tool 20 mm	1	243984
PDC Tool 22,5 mm	1	243983
PDC Tool 26 mm	1	243982
PDC Driller	1	243987
PDC Cutter	1	243986

Dent Reflector

- The round strip sail is specially designed for mobile use Designed
- Folded only 30 cm in diameter and therefore easy to stow away
- Split it wide and narrow strips for more accurate reflections
- For example, the dorsal reflector can be used for the following
- come:
- In the documentation of damages during the leasing
- In the documentation of minor damage to motor vehicles
- (Parking damage)
- In the documentation of the size of a deformation according to a
- traffic accident
- In documentation of the quality of repair (restlessness in the
- Area)
- In quality control of surfaces in industry



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Special vehicle tools

**Application Area**

- Fast detection of unevenness on the paint surface (E.g., bumps and dents) or lacquer damage

Title	PU Piece	Article No.
Dent Reflector	1	335436

AGR: 03.419

Slide Hammer Universal

- Combinable with the already existing tools as e.g. tensioning clamp, hook, puller, flanging, etc.
- Enormous clout of up to 11 T due to a variable, screwed additional weight. Also the additional weights can be screwed together

Application Area

- Extra heavy and massive design for a universal application on passenger car and truck specialized companies, e.g. car body work, truck spring bolt, bearing rings, bushings, etc.

Scope Of Delivery

- 1 bar 850 mm
- Connection thread M 20 x 1.5
- 1 impact weight 6 kg
- 1 additional weight 3 kg



3

Title	PU Piece	Article No.
GLIDING HAMMER HEAVY DUTY	1	020482

AGR: 03.419

Adapter for Universal Slide Hammer 433450

Application Area

- The slide hammer can be used with the following adapters with the systems of many producers (Klann, Hazet, Facom,...)



Title	PU Piece	Article No.
ADAPTOR FOR DOUBLE HOOK	1	020500*
ADAPTOR M18	1	020484*
ADAPTOR M18X1,5	1	020486*
ADAPTOR M20	1	020488*
ADAPTOR UN 1 1/2"	1	020495*

\* = The delivery time is 21 days

AGR: 03.419

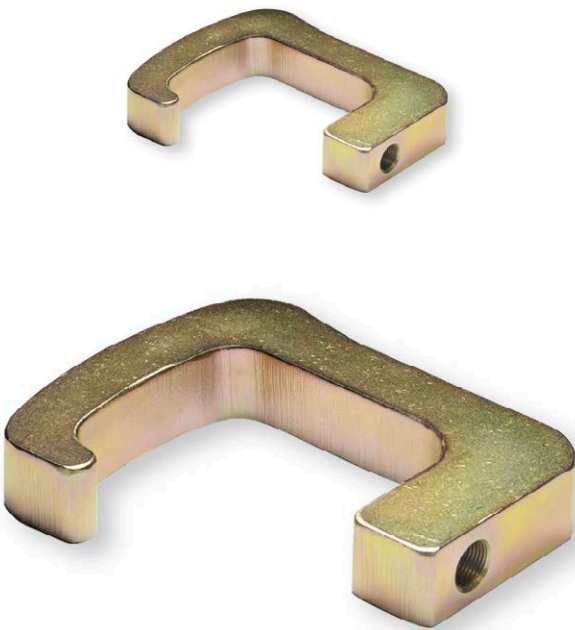
# Body Clamp for Universal Slide Hammer 433450

## Application Area

- With this claw vehicle body work as well as work on ball joints or similar work can be executed

## Characteristics

- Extendable bracket M 20 x 1.5 ball joint/vehicle body



3

Title	PU Piece	Article No.
COACHWORK CLAW	1	020503*

\* = The delivery time is 21 days

AGR: 03.419

Plasto Clip II

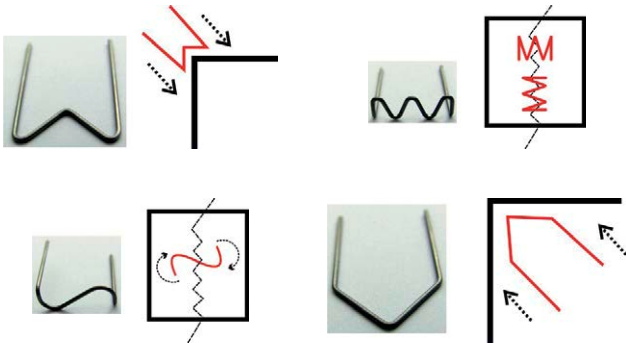
- Suitable for all repairs of almost all plastic parts such as Bumpers, headlights, indicators, radiator, etc.
- Quickly and flexibly Battery operation
- up to 300 staples per battery charge
- 2-stage selectable: Level 1 - ideal for thin-walled materials, level 2 for fast work progress
- Strong LED for optimum illumination of the working field
- The result is a highly durable, dimensionally stable connection
- 4 different clamp types for different applications

Hints

- suitable for almost all plastics, not suitable for plastic which can not flow back e.g. PUR MF 15

Scope Of Delivery

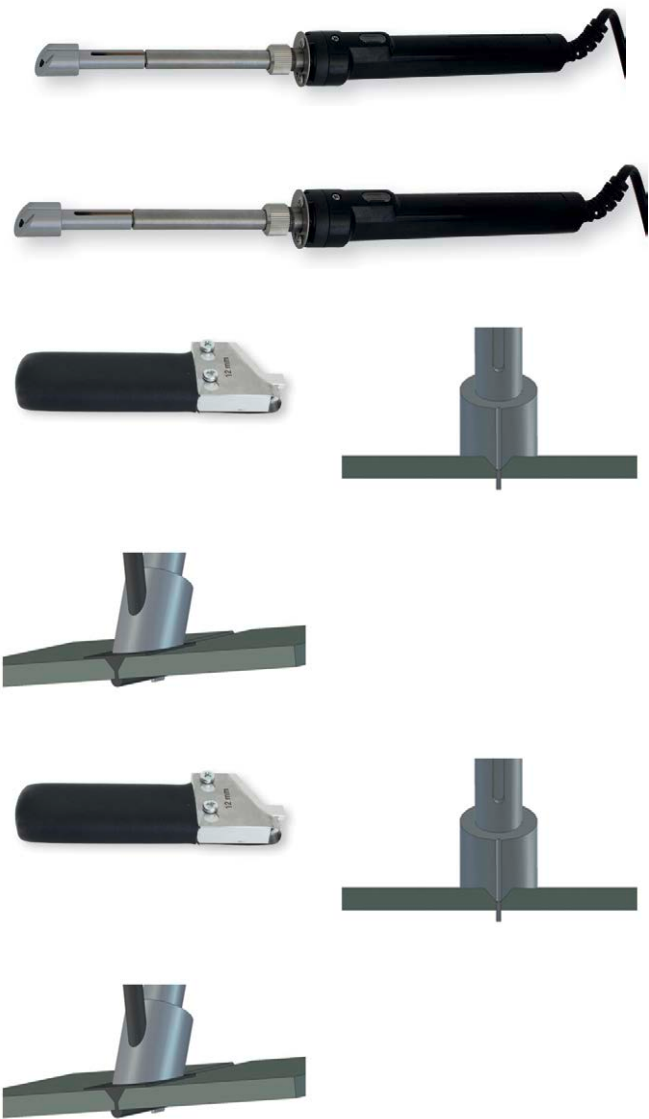
- The set contains 25 clips of each type



Title	PU Piece	Article No.
Plasto Clip II	1	219003
AGR: 03.419		
Accessories Available	PU Amount	Article No.
M-CLAMP	1	174770
S-CLAMP	1	174769
V-CLAMP	1	174768
W-CLAMP	1	174767

Special vehicle tools

Plastic Welding Set



INTERNAL/Approved (2019-03-22 17:56:32)

Title	PU Piece	Article No.
PLASTIC WELDING SET	1	201223
AGR: 03.419		

## Special vehicle tools

### Plastic Welding Set Premium

- Premium provides a unique solution, for an easy welding of the plastic
- According to the plastic type and desired welding speed, different temperature adjustments can be made at the welding tool: Level 1 with 250° and Level 2 with 350°
- The set offers a range of 7 different welding tips, which provide diverse applications.
  - ▶ The broad welding tip is suitable for almost all applications.
  - ▶ Thanks to the patented V-profile in the end of the welding tip, the crack in the plastic can be extended and adjusted to the desired welding temperature. A port is situated at the lower end of the welding tip, in which the welding wires are inserted. Flat plastic strips, which are included in the set, are suitable for the broad welding tip. Their special form guarantees a solid connection. The flat welding wires cover 70% of the used plastic and are suitable for the welding of cracks, slits and fastening straps, as well as for holes in the plastic
- If you are not sure, which plastic strip to use, you can cut out a part of the respective plastic strip with our Plastic Cutter and use this as a welding wire. You have the choice between 3 different welding tips: the double-sided welding tip, the one-sided welding tip and the edge-welding tip for angled areas
- The Dom-welding of the new plastic party also gets more popular. Our set also supplies a solution for that. You have the choice between 3 Dom-welding tips: standard size, the small Dom-welding tip and the flat Dom-welding tip

#### Application Area

- For the repair of plastic as e.g. bumpers or panelling

#### Scope Of Delivery

- Soldering iron
- 8 soldering tips
- 50 plastic welding rods flat
- Special cutters
- Wire brush
- Soldering iron holder
- Case



Special vehicle tools

Title	PU Piece	Article No.
Plastic Welding Set P	1	219173
AGR: 03.419		
Spare Parts	PU Amount	Article No.
Flat Welding Strip black	1	244695

Plastic Fusion ECO Unit

- The Plastic Fusion Eco-Unit has a display which shows the adjusted as well as the effective temperature
- With this device you can reach a higher temperature with a lower volume, which is the key essential for a good fusion. The plastic reaches an optimal melt flow index more quickly, which promotes a good adhesion
- Quick clean work during plastic repair
- Best plastic connections

Application Area

- For plastic repairs, and welding



3

Title	PU Piece	Article No.
Plastic Fusion ECO Unit	1	219172
AGR: 03.419		
Spare Parts	PU Amount	Article No.
Flat Welding Strip black	1	244695

INTERNAL/Approved (2019-03-22 17:56:39)

Nut Releaser Set

Title	PU Piece	Article No.
NUT RELEASER SET	1	159204
AGR: 03.419		
Scope Of Supply	Amount	Article No.
HEAT BLOCK NUT RELEASER	1	-
HEAT COIL BENDED, MEDIUM	1	-
HEAT COIL FLEX	1	-
HEAT COIL STRAIGHT, SMALL	1	-
HEAT COIL STRIGHT, MEDIUM	1	-



INTERNAL/Approved (2019-03-22 17:56:55)

Heat Pad

Technical Data

Length	125 mm
Width	105 mm

Title	PU Piece	Article No.
HEAT PAD	1	201224

AGR: 03.419



Induction heater iDuctor

- Time saving; Heats rapidly with great precision. In less than a minute you can heat steel to 300 °C till 600 °C, and since heat causes it to expand you can remove it in a snap
- Fire safety; Generates no open fire, so it's safe to use
- Convenience; Simple, can be operated with one hand. Adjustable power. Spirals exchangeable without tools
- Durability; Made of impact-resistant material
- Electronic induction heating with adjustable time and power, microprocessor-controlled
- Suitable for all magnetizable metals
- Equipped with LED lighting
- In a convenient storage case

Application Area

- Heating metal by using induction. Very precisely and accurately!

Hints

- The iDuctor is also usable for other specific purposes in addition to heating stuck parts, such as replacing bearings or heating and removing coating layers and stickers from steel. Special tools are available for this specific application.
- Manufacturer warranty: 1 year

Scope Of Delivery

- Induction heater iDuctor, 2 coils (M8x150 and M10x150) and flexible coil (1,1 m) and bendable U-coil (0,6 m) supplied in a convenient storage case

Technical Data

Voltage	230 V
Power Output	1200 W
Length	40.2 cm
Width	6.1 cm
Height	13.1 cm
Cable Length	3 m
Weight	1.4 kg
Degree Of Protection	IP20

Title	PU Piece	Article No.
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Special vehicle tools

Induction heater iDuctor	1	333708
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AGR: 03.419

Scope Of Supply	Amount	Article No.
Induction coil iDuctor M10x150mm	1	333699
Induction coil iDuctor M8x150mm	1	333707
Induction flex coil 1,1 m iDuctor	1	333709
Induction U-coil 0.6 m	1	338220

Accessories Available	PU Amount	Article No.
Induction coil iDuctor Set 23 to 52 mm	1	369124
Induction coil iDuctor M10x150mm	1	333699
Induction coil iDuctor M10x250mm	1	333702
Induction coil iDuctor M12x200mm	1	333703
Induction coil iDuctor M16x200mm	1	333704
Induction coil iDuctor M20x200mm	1	333701
Induction coil iDuctor M24x240mm	1	333705
Induction coil iDuctor M30x240mm	1	333706
Induction coil iDuctor M8x150mm	1	333707
Induction coil iDuctor steering rod	1	333711
Induction flex coil 1,1 m iDuctor	1	333709
Induction flex coil 2,0 m iDuctor	1	333710
Induction heat pad iDuctor	1	333698
Induction U-coil 0.6 m	1	338220

Induction Device 2300 Basic-Set

- More safety as there is no open flame
- Time saving, since faster in application and on the object
- Das ultimative Werkzeug für die präzise Erwärmung von Metallen durch Induktion
- The ultimate tool for precise induction heating of metals
- Faster cooling of the components and thus faster further processing
- In wenigen Sekunden das Metall auf 300 bis 600 °C erwärmen
- Very handy and can be operated with only one hand



- Due to the patented clamping system for the heating spirals or cables it is possible to exchange them without tools. The clamping system also enables a large area energy output to the spiral
- Specially coated and sheathed spirals. Therefore more heat resistant than existing spirals on the market
- Microprocessor controlled
- Very high quality plastic housing
- Suitable for all magnetizable metals

Application Area

- Heating of metal by induction
- Very precise and exact

Characteristics

- Volt: 230 V
- Power output: 2300 W
- Length: 402 mm
- Width: 61 mm
- Height: 131 mm
- Length of connecting cable: 3 m
- Weight: 1400 g
- Protection class: IP20

Hints

- Induction heater
- 1 x heating spiral M20 x 150
- 1 x heating spiral M30 x 150

Title	PU Piece	Article No.
Induction Device 2300 Basic-Set	1	370179
AGR: 03.419		
Scope Of Supply	Amount	Article No.
Induction Coil M20 P+	1	370186
Induction Coil M30 P+	1	370184

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Special vehicle tools

Accessories Available	PU Amount	Article No.
Induction coil iDuctor P+ Set 23 to 52 mm	1	370180
Induction Cable flex P+ 2500	1	370181
Induction Cable flex P+ 3000	1	370182
Induction Cable flex P+ 3500	1	370183
Induction Coil M10 P+	1	370189
Induction Coil M12 P+	1	370188
Induction Coil M16 P+	1	370187
Induction Coil M20 P+	1	370186
Induction Coil M24 P+	1	370185
Induction Coil M30 P+	1	370184

3

Induction heater iDuctor accessories

Title	Width	Length	PU Piece	Article No.
Induction coil iDuctor P+ Set 23 to 52 mm	-	-	1	370180
Induction coil iDuctor Set 23 to 52 mm	-	-	1	369124
Induction Cable flex P+ 2500	-	2500 mm	1	370181
Induction Cable flex P+ 3000	-	3000 mm	1	370182
Induction Cable flex P+ 3500	-	3500 mm	1	370183
Induction coil M10x150mm	23 mm	150 mm	1	333699
Induction coil M10x250mm	23 mm	250 mm	1	333702
Induction Coil M10 P+	23 mm	250 mm	1	370189
Induction coil M12x200mm	26 mm	200 mm	1	333703
Induction Coil M12 P+	26 mm	200 mm	1	370188
Induction coil M16x200mm	32 mm	200 mm	1	333704
Induction Coil M16 P+	32 mm	200 mm	1	370187
Induction coil M20x200mm	40 mm	200 mm	1	333701
Induction Coil M20 P+	40 mm	200 mm	1	370186
Induction coil M24x240mm	47 mm	240 mm	1	333705
Induction Coil M24 P+	47 mm	240 mm	1	370185
Induction coil M30x240mm	52 mm	240 mm	1	333706
Induction Coil M30 P+	52 mm	240 mm	1	370184
Induction coil M8x150mm	18 mm	150 mm	1	333707
Induction coil steering rod	-	-	1	333711
Induction flex coil 1,1 m	-	1100 mm	1	333709
Induction flex coil 2,0 m	-	2000 mm	1	333710
Induction heat pad	150 mm	150 mm	1	333698
Induction U-coil 0.6 m	-	600 mm	1	338220



Heating and removing coating layers and stickers (art.no. 333698)



Heating of bearings (art.no. 333709 & 333710)



Heating of steering rods (art.no. 333711)



Heating of bolts and nuts



Induction coil is bendable. Convenient for working at an angle



Induction U-coil

INTERNAL/Approved (2019-03-22 17:57:40)

AGR: 03.419

Induction Heater 3,5 Kw

- Simple application
- Digital 32 bit control and therefore very powerful
- Quickly reach the temperature
- No open fire
- Targeted almost point-accurate heating possible
- The light weight and practical carrying handle makes it very easy to transport and can be used everywhere
- Can be used up to 15 minutes in continuous operation due to water cooling
- Robust metal housing
- Foliendisplay for fast performance adjustment

Application Area

- For heating metal
- Particularly suitable for setting the track, working on axle parts or heating of fixed screws / nuts

Title	PU Piece	Article No.
Induction Heater 3,5 Kw	1	341014

AGR: 03.419



Inductor Heater 5 kW

Title	PU Piece	Article No.
Inductor Heater 5 kW AGR: 03.419	1	213288



Fluid Stopper Set

Characteristics

- Universal Complete Set to stop the escape of liquids. Suitable for brake lines, fuel lines and hoses. Also suitable for fixed lines.

Hints

- Accessories Set includes 2 of each size hose plugs, 5 seals Ø 10.4 mm and 10 sealing rings Ø 18 mm.



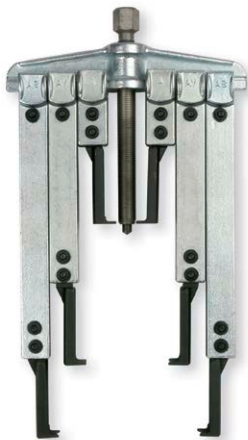
Title	PU Piece	Article No.
FLUID STOPPER SET	1	177818
AGR: 03.405		
Scope Of Supply	Piece	Article No.
LINE CLAMP FOR BRAKE LINE	2	178205
LINE CLAMP FOR FUEL LINE	2	178206
TELESCOPIC FUEL HOSE CLAMP	1	178203
(983749_14_2_AT01_Schlauchstopfen316Lnge4)	2	-
(983749_15_2_AT01_Schlauchstopfen14Lnge40)	2	-
(983749_16_2_AT01_Schlauchstopfen516Lnge4)	2	-
Accessories Available	PU Piece	Article No.
ACCESSORY KIT FLUID STOPPER	1	178207

Inner/Outer Puller Set

- Extremely thin puller hook, for use in tight spaces

Processing Information

- Replacement of inner and outer pullers is easily achieved by replacement of arms
- Not suitable for stuck objects



3

Title	Number Of Arms	Clamping Range External Puller	Clamping Range Internal Puller	Length of arm	Tensile Load	PU Piece	Article No.
Inner/Outer Puller Set KL-0150-6	2 PC	30 - 135 mm	30 - 135 mm	90 mm 200 mm 250 mm	2 t	1	895342

AGR: 03.400

SANIGRIP with Plastic Jaws

Application Area

- Safe and protective clamping of valuable tapware without damaging of the polished surfaces

Characteristics

- With full-length gearing over the whole clamping range, chrome vanadium special Steel, all-steel welded construction and chromed, serrated gripper jaws, 4-times adjustable in the hinge



Title	Length total (mm)	Outside Ø mm	PU Piece	Article No.
Sanigrip	250 mm	14 - 62 mm	1	053544

AGR: 03.510

Fittings Pliers 90°

Application Area

- Grips chrome-plated fittings or bright surfaces, screw connections and metal sheets

Characteristics

- Forged, hardened and tempered chrome-vanadium-special steel, with resistant epoxy-coating, clamping protection prevents damage, non-slip handle design, secure and gentle handling



Title	Length	External-Ø Up To Inch	PU Piece	Article No.
Fitting Wrench 90° 1"	350 mm	1 "	1	130515

AGR: 03.204

Single-Handed Pipe Wrench Steel

- Single-handed ratchet operation
- Thanks to teeth which are offset against the direction of rotation, stuck itself
- Extra heavy design



Title	Length	Clamping range	External-Ø Up To Inch	PU Piece	Article No.
Single-Handed Pipe Wrench	350 mm	0 - 49 mm	1 1/12 "	1	053557
Single-Handed Pipe Wrench	450 mm	0 - 60 mm	2 "	1	053558
Single-Handed Pipe Wrench	600 mm	0 - 76 mm	2 1/2 "	1	053559

AGR: 03.204

Single-Handed Pipe Wrench Aluminum

- Single-handed ratchet operation
- Thanks to teeth which are offset against the direction of rotation, stuck itself
- Thanks to durable aluminum structure, 40 % weight gain



Title	Length	External-Ø Up To Inch	PU Piece	Article No.
Single-Handed Pipe Wrench Alu	350 mm	2 "	1	053560
Single-Handed Pipe Wrench Alu	600 mm	3 "	1	053562

AGR: 03.204

Special sanitary tools

Textile Strap Wrench

- Strong, antiskid fabric tape
- very high static friction

Application Area

- Opening and closing of all kind of cylindrical filters
- Adjusting, opening and tightening of pipelinges as well as round profiles and multi-square profile like e.g. square profile, hexagonal profile, octagon profile, and so on

Technical Data

Grip Material	1 component handle
---------------	--------------------



Title	Clamping range	Length	PU Piece	Article No.
Textile Strap Wrench 25-160 mm	25 - 160 mm	550 mm	1	248625
Textile Strap Wrench 40-240 mm	40 - 240 mm	860 mm	1	248624

AGR: 03.419

# Universal Step Key

## Application Area

- Mounting and removing of the heater valve nipple, return flow fittings and short Tap extensions

## Characteristics

- Square drive 1/2", with cam, inner hex and double hex socket, Size 3/8" - 1/2" - 3/4" - 1" and other intermediate sizes, ratchet, changeable R/L, echelon form, chrome vanadium steel, hardened

## Scope Of Delivery

- Set contains 1 x Universal Step Key, 1 x Ratchet changeable R/L

Title	PU Piece	Article No.
Universal Radiator set	1	053567

AGR: 03.511



Gas Step Key with ratchet

Application Area

- Gas-Step Key with ratchet

Characteristics

- Square drive 1/2", with cam, inner hex head and double hex socket  
Size 3/8" - 1/2" - 3/4" - 1" and other intermediate sizes, ratchet,  
changeable R/L, echelon form, chrome vanadium steel, hardened,  
nickel-plated

Scope Of Delivery

- Set contains: Gas Step Key with ratchet

Title	PU Piece	Article No.
Gas Step Key with ratchet	1	104283
AGR: 03.511		
Scope Of Supply	Piece	Article No.
Gas Step Key 73280	1	104284
Ratchet changeable R/L 1/2"	1	-



## Sanitary Cross-Rim Wrench

### Application Area

- Mounting and removing of the heater valve nipple and return flow fittings
- For hanger bolts M 8, M 10, and M 12, i.e. wash basin mounting

### Characteristics

- Powder lacquered Combi Key with 4 x outside hexagon head for Tap extensions: 3/8" - 1/2" - 3/4" - 1"



Title	Length total (mm)	PU Piece	Article No.
Plumbing cross wrench	200 mm	1	053572

AGR: 03.511

## Express Key

### Application Area

- Wash basin mounting and angle valve mounting
- Construction wrench for express and hanger bolts

### Characteristics

- With Screw-in Socket for Screws M10



Title	Length total (mm)	Wrench Size 1	Wrench Size 2	PU Piece	Article No.
Special Sanitary Spanner	260 mm	17 mm	19 mm	1	053571

AGR: 03.511

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Combi Hanger Bolt Key

Application Area

- Screwing in stud bolts, grub screws and hanger bolts

Characteristics

- With SDS Plus socket, quick to use, universally usable for Hanger Bolts in the size of M 6, M 8, M 10, M 12, adjustable ballhead with grating 45° and 90° angle



3

Title	PU Piece	Article No.
Combi Hanger Bolt Key	1	108929

AGR: 03.511

Valve - Screw-In Tool

Application Area

- Outlet valve holder and Screw-in tool for eccentric and standard valves on bath tubs, wash basins and sink units

Characteristics

- No damaging of chromed pieces, usable from top and bottom with 2 diagonal, springy stocked adjustment cams, after plug-in it is immediately torque-proof

Scope Of Delivery

- Bath tub adapter not included



Title	Length total (mm)	PU Piece	Article No.
Valve screw fixing tool	120 mm	1	053568

AGR: 03.511

Accessories Available	PU Piece	Article No.
Bath tub adapter	1	053569

Basin Cock Wrench

- Pivotal sliding bar allows optimal power transmission

Characteristics

- Chrome vanadium special steel, drop-forged, very robust



Title	Length total (mm)	Outside Ø mm	Outside Ø inch	Clamping Range (Inch), From	Clamping Range (Inch), To	PU Piece	Article No.
Standard tap nut wrench	235 mm	10 - 32 mm	3/8 - 1 1/4 "	3/8 "	1 1/4 "	1	053570

AGR: 03.511

3

Telescopic Basin Cock Wrench

Characteristics

- Telescope is four-fold adjustable in length,
- Pivotal Pawl for right and left gear, chromed



Title	Length total (mm)	Outside Ø mm	Outside Ø inch	Clamping Range (Inch), From	Clamping Range (Inch), To	PU Piece	Article No.
Telescopic Basin Cock Wrench	455 mm	10 - 32 mm	1 1/4 - 2 1/2 "	3/8 "	1 1/4 "	1	104289

AGR: 03.511

Testing Pump

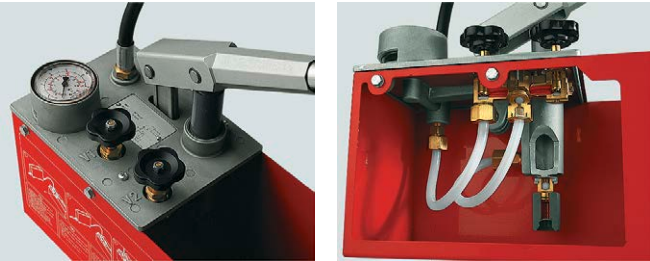
- Filling and pressure checking in one process with water or oil
- Fast filling of the system on a long stroke distance
- Easier pressure release over the second system
- Less susceptible to leaks by using less fittings in one casing for two valves

Application Area

- For precise and fast checking of the pressure or leak tests in piping systems and cases in the sanitation/heating installations, basin construction and pressure tank construction, ideal for filling solar plants

Characteristics

- Pressure checking with water and oil, weather and cold-resistant, fine exact pressure setting and stabilisation on short Liftway, torsion-resistant lever with ergonomic Rubber handle, lockable as a carry handle, especially polished torsion-resistant Pressure forcer out of polyamide, Ø 30 mm, hard-wearing, reduction of measurement errors by Testing hose with Steel fabric lining, galvanized Steel brass box with a 5 years rust-through warranty



Title	PU Piece	Article No.
Testing pump	1	053573

AGR: 08.319

Wash Basin Assembly Set 6 piece

- Well-matched special tools, which can mount and dismantle the most common basin cock mixing batteries from different producers
- Damage-free working on escape sets by inovative drilling tool
- On places which are hard to reach it is possible to screw in and out the eccentric tappet for surface-mounted mixing batteries
- Multifunctional drive mechanism tool serves as a socket for the special key and to screw in and out hanger bolts M 8 und M 10

Application Area

- assembly and disassembly of wash basins as well as wall fittings on places which are hard to reach

Title	PU Piece	Article No.
Sink installation set	1	053517

AGR: 03.511



Special sanitary tools

Hemp Dispenser/Hemp Coil/Hemp Queue

- Dosaged, material saving withdrawal
- Protection against dirt

Hints

- Mounting at wall or workbench possible



Title	PU Piece	Article No.
Hemp	1	123834
Hemp	1	104282

AGR: 04.235

Pipe cutter 16 and 22

- Effortless regulation of the pressure by big knurled knob
- Two guide pulleys with groove for crimping cuts
- Handheld form with a very small working radius (38 mm or 42 mm)

Application Area

- Copper, brass, aluminium and thin-walled steel pipes as well as PVC hard, plastic and plastic encapsulated pipes
- Working on places which are hard to reach
- Working on parallel pipes



Title	Outside Ø mm	Outside Ø inch	Weight	PU Piece	Article No.
Pipe cutter	3 - 16 mm	1/8 - 5/8 "	115 g	1	053218
Pipe cutter	6 - 22 mm	1/4 - 7/8 "	125 g	1	053219

AGR: 03.500

Spare Parts	PU Package	Article No.
Replacement Cutting Wheel 5 units, 1 1/4"	1	053747

Pipe Cutter 28

- Effortless regulation of pressure by big knurled knob
- Ergonomic design of the base body and knob with support surfaces for the hand during the rotary movement
- Two guide pulley with insertion for flange cuts
- Ergonomic design
- Hand-held form with a small working radius (max. 58 mm)



Title	Outside Ø mm	Outside Ø inch	Weight	PU Piece	Article No.
Pipe cutter	3 - 28 mm	1/8 - 1 1/8 "	270 g	1	053220

AGR: 03.500

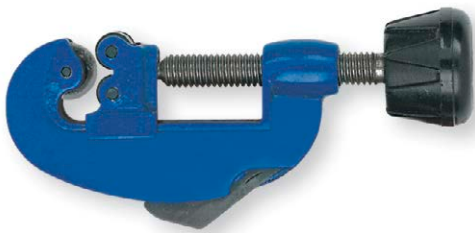
Spare Parts	PU Package	Article No.
Replacement Cutting Wheel 5 units, 1 1/4"	1	053747

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Special sanitary tools

Pipe Cutter 30

- Robust monobloc sleigh
- Pull-out Inside deburrer and Replacement cutting wheel in the handle
- Two supporting rolls with insertion for a flange cut
- Plastic handle



Title	Outside Ø mm	Outside Ø inch	Weight	PU Piece	Article No.
Pipe cutter	3 - 30 mm	1/8 - 1 1/8 "	305 g	1	053223

AGR: 03.500

Spare Parts	PU Package	Article No.
Replacement Cutting Wheel 5 units, 1 1/4"	1	053747

Pipe Cutter 35

- Flange Cut by two guide rollers with insertion
- Quick shift of the working area
- Replacement cutting wheel in the handle
- Sinkable inside deburrer with revolving blade
- Resistant and extremely sturdy Metal casing with DURAMANT®-Coating
- More precise cut by specific telescope guideline

Application Area

- Copper, Aluminium, Brass, light-case steel pipes



Title	Outside Ø mm	Outside Ø inch	Weight	PU Piece	Article No.
Pipe cutter	6 - 35 mm	1/4 - 1 3/8 "	470 g	1	053221

AGR: 03.500

Spare Parts	PU Package	Article No.
Replacement Cutting Wheel 5 units, 1 1/4"	1	053747

Steel Pipe Cutter 60

- Wide rolls for safe guiding of the cutting wheel on the pipe
- Easy regulation of the pressure for optimal power transmission to the pipe
- Long lifetime due to the hardened cutting wheel made from high-alloy steel
- Thread-cutting is possible immediately, because of the burr-free exterior cutting



Title	Outside Ø mm	Outside Ø inch	Weight	PU Piece	Article No.
Steel Pipe Cutter 60	10 - 60 mm	1/8 - 2 "	2460 g	1	103076

AGR: 03.500

Spare Parts

	PU Piece	Article No.
Replacement cutting wheel 2" 70051	3	103077

Chain Pipe Cutter

- Low working angle by forward and backward movement
- Plastic coated handles
- Easy to use
- For working in places where it is hard to work e.g. parallel pipes
- Firm Chains with 15 cutting wheels, universally adjustable
- Cutting area 19 – 83 mm

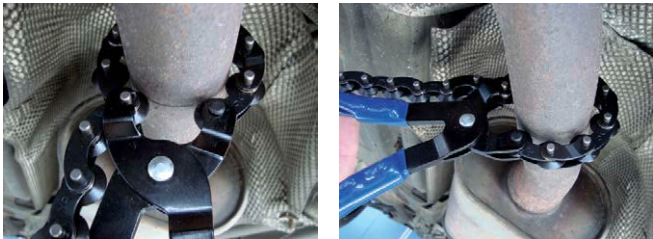


Application Area

- For copper, brass, aluminium and thin-walled steel pipes as well as plastic encapsulated pipes, stainless steel pipes

Hints

- Chain pipe V2A with special cutting wheels for stainless steel pipes



Title	Outside Ø mm	Chain Length	PU Piece	Article No.
Chain Pipe Cutter	19 - 83 mm	310 mm	1	136774
Chain Pipe Cutter V2A	19 - 83 mm	310 mm	1	105367

AGR: 03.500

Spare Parts

	PU Piece	Article No.
Spare Cutting Chain	1	110450

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Pipe Cutter Automatic 67

- Quick adjustment by ratchet -telescopic guideline with automatic spring retraction
- Deferrable inner deburrer and replacement cutting wheel in the inside of the handle
- Very low feathering by constant pressure

Application Area

- Copper Pipes, brass, aluminium and light case steel pipes as well as plastic sheathed pipes



Title	Outside Ø mm	Outside Ø inch	Weight	PU Piece	Article No.
Pipe cutter	6 - 67 mm	1/4 - 2 5/8 "	710 g	1	053217
AGR: 03.500					
Spare Parts				PU Package	Article No.
Replacement Cutting Wheel 5 units, 1 1/4"				1	053747

Pipe Cutter INOX 35

- Cur close to flange due to two guide pulleys with groove
- Quick adjustment of the working area
- Precise cut due to extra telescope guide
- Replacement cutting wheel with handle
- Retractable pipe inside deburrer
- Guide pulley made from stainless steel

Application Area

- Especially for stainless steel pipes



Title	Outside Ø mm	Outside Ø inch	Weight	PU Piece	Article No.
Pipe cutter	6 - 35 mm	1/4 - 1 3/8 "	470 g	1	053222
AGR: 03.500					
Spare Parts				PU Package	Article No.
Replacement Cutting Wheel INOX 5 units				1	053748

Plastic Pipe - Scissor 26

- Powerful and fatigue-free cutting of larger wall thicknesses with minimum effort
- Width pipe support for precise point gate

Application Area

- More precise one-handed cutter for separating and cross cutting of PP, PE, PEX, PB and PVDF pipes

Title	Outside Ø mm	Weight	PU Piece	Article No.
Plastic Pipe scissors	0 - 26 mm	370 g	1	053212

AGR: 03.500



Plastic Pipe - Scissors 42

- Low exertion of force while cutting
- Adjustment of the forceps branch in the transport position
- More precise square cut
- Optimal power transmission and positively driven cutting advance
- Automatic, controlled opening of the cutter by touch of a button
- More precise point cut end without deformation

Application Area

- More precise one-handed cutter for cutting and crosscutting of PP, PE, PEX, PB and PVDF pipes

Title	Outside Ø mm	Outside Ø inch	Weight	PU Piece	Article No.
Plastic Pipe Scissors 42	0 - 42 mm	1/32 - 1 5/8 "	447 g	1	053211

AGR: 03.500



INTERNAL/Approved (2019-03-22 18:00:17)

Interior and Exterior Milling Cutter

Application Area

- For milling copper, aluminum and soft steel pipes effortlessly and quickly

Characteristics

- Does not rattle as it works due to the special configuration of 3 ground and hardened steel parts



Title	Outside Ø mm	PU Piece	Article No.
Interior and Exterior Milling Cutter	4 - 36 mm	1	053226

AGR: 03.501

Fast Milling Cutter

- Rotary mounted blade adapts to the contours of the work piece
- Ideal for always having to hand
- With anodized Aluminum handle
- Small and handy

Application Area

- Deburring edges, pipes and metal sheets



Title	PU Piece	Article No.
HSS-Fast Deburrer	1	053229

AGR: 03.501

Fast Deburrer Universal

Application Area

- Deburring edges, pipes and metal sheets

Characteristics

- Plastic storage handle, exchangeable blades

Scope Of Delivery

- A blade for Steel, Aluminum and plastic,
- A blade for forged and brass



Title	PU Piece	Article No.
Fast Deburrer Universal	1	053230
AGR: 03.501		
Spare Parts	PU Package	Article No.
Extra Blade No. 1 HSS Steel, Alu, Plastic 5-piece	1	053231
Extra Blade No. 2 HSS Brass, Forged 5-piece	1	053232

Deburrer for multilayer pipes

- Mandatory phase to avoid seal deterioration on the fitting tail and avoid leaks during connection crimping

Application Area

- For the preparation of multilayer pipes before fitting
- For multilayer pipes Ø 16x2- 20x2 - 26x3 - 32x3

Title	Outside Ø mm	Length	PU Piece	Article No.
Deburrer for multilayer pipes	16 - 32 mm	125 mm	1	370230
AGR: 03.501				



INTERNAL/Approved (2019-03-22 18:00:38)

Pipe Vice

- Movable strain handle for safe holding
- Foldable, automatic locking hook
- Powerful and non-jamming spindle
- Exchangeable sidewalls
- Durable epoxy powder coating
- Hardened and milled upper sidewalls and lower sidewalls



3

Title	PU Piece	Article No.
Pipe Vice	1	053566*

\* = The delivery time is 21 days  
AGR: 03.605



Special sanitary tools

Suction Pressure Cleaner SUPER

- Guarantees the highest suction and compressive force
- A flexible grip handle which is adjustable in all directions
- Short adapter for basins and drains
- Long adapter for WCs

Application Area

- For rapidly clearing blockages in basins, tubs, toilets etc.

Title	PU Piece	Article No.
Suction Pressure Cleaner SUPER	1	053540

AGR: 03.512



Hand-Held Pipe Cleaning Device

- For crank-operated hand-held operation and drill operation
- Flexible spiral with an integrated lobe-shaped head, also suitable for use in narrow pipe bends and knee pieces
- Spiral lock
- Impact-resistant, enclosed plastic spiral container prevents dirt
- Can be used without having to dismantle sink filters or syphons

Application Area

- For cleaning sink filters or syphons

Title	Spiral Ø	Spiral Length	PU Piece	Article No.
Hand-Held Pipe Cleaning Device	8 mm	7.5 m	1	053477

AGR: 03.512



INTERNAL/Approved (2019-03-22 18:00:52)

One Hand Bending Set

- Open bending frame allows the fabrication of U-bends, counter bends, swan-neck- and connecting bends
- Plastic bending formers and guides with excellent sliding qualities for optimum bending results

Application Area

- For accurate 90° bending of soft copper, aluminium, coated copper pipes in the dimensions: 12 - 14 - 16 - 18 - 22mm

Characteristics

- Mechanical ratchet-heading
- Light and handy

Scope Of Delivery

- Basic device
- Flat blade
- Bending segment
- Steel sheet case

Title	Weight	PU Piece	Article No.
One hand bender	3500 g	1	053445

AGR: 03.504



Two-Hand Bending Device Mini

- Dimensionally accurate bending up to 180° using two hands
- Pipes with 3 dimensions with narrow radii can be bent with one device
- Over-bends, counter-bends, swan-neck bends and connecting bends are possible in all levels

Application Area

- Bending soft steel, brass and copper pipes of Ø 6 – 8 - 10 mm

Characteristics

- High quality design, torsion-resistant aluminum handle, b mold with a bending radius display of 45°/90°/135°/180° divided into 15° increments, minimum dimensions, lightweight, compact and handy

Hints

- Refer to the table for precision bending

Title	Weight	PU Piece	Article No.
Two-Hand Mini Bending Device	420 g	1	103024

AGR: 03.504



3

Special sanitary tools

One hand bending set multilayer pipe 14-32 mm

- Adjustable bending frame
  - U-bends, counter bends, swan-neck bends and connecting bends possible at all levels
- Smooth feed lever
  - Ideal in restricted spaces and one-handed operations
- Quick release and resetting of bending formers
- Bending segment easily changed
- With mechanical ratchet for precise bending
- Sturdy and long-lasting
  - Body made of resistant die-cast steel

Application Area

- Bending up to 90°
- Precision bending of multi-layered composite pipes with wall thickness of 2 mm maximum

Scope Of Delivery

- Base device, support brackets and bending segments in a steel carry case
- Included: bending segments 14 mm, 16 mm, 20 mm, 26 mm and 32 mm

Title	PU Piece	Article No.
One hand bender set	1	177819

AGR: 03.504



Special sanitary tools

One-Hand Bending Set 6-12

- Bending segments are fitted with bayonet locks for easy replacement
- Mechanical ratchet pushing forward function, lightweight
- Bent segments are quickly fitted or removed
- One-hand operation thanks to ergonomic design
- Easy and dimensional bending

Application Area

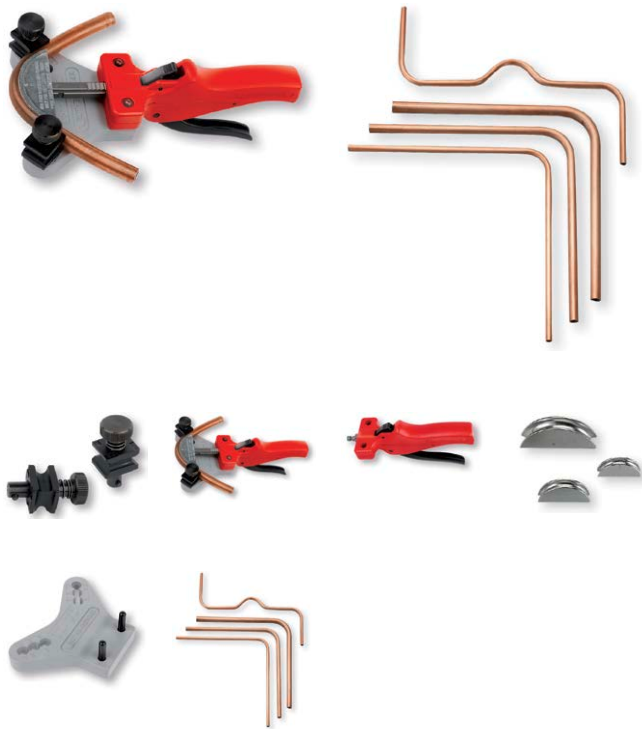
- Dimensionally accurate bending up to 90°, even in confined conditions
- Over -bends, counter-bends, swan-neck bends and connecting bends are possible in all levels

Scope Of Delivery

- One-hand bending set complete bending parts (6, 8, 10, 12) in a plastic carry case

Title	Weight	PU Piece	Article No.
One-Hand Bending Set	3030 g	1	047430

AGR: 03.504



INTERNAL/Approved (2019-03-22 18:01:33)

One-hand bending set Ø12-15-18-22 mm

- Adjustable frame
  - U-bends, counter bends, swan-neck bends and connecting bends are possible at all levels
- Quick release and reset of the bending segments
- Precise bending up to 90°
  - Mechanical ratchet feed
- Safer
  - Fewer soldering joints
- Base made from high resistant die-cast material, back plate support, left and right support segments

Application Area

- One-hand bending up to 90°
- Bending of copper, aluminium, steel and stainless steel pipes with wall thickness 1 mm maximum

Scope Of Delivery

- Base device, back plate support bar and bending segments in a steel carry case
- Included: bending segments 12 mm, 15 mm, 18 mm and 22 mm

Title	Weight	PU Piece	Article No.
One-Hand Bending Set	3500 g	1	103023

AGR: 03.504



Ratchet Threading Die Set

- Extremely lightweight
- Cutting die heads are held securely in place
- Easy to insert and remove
- Saving on force due to the eccentric handle

Hints

- Ratchet handle: Handy, lockable switch for the ratchet directly
- High-grade, torsion-resistant aluminum design
- Narrow, compact design with favourable corner dimensions for places where accessibility is poor
- Closed ratchet system with small-toothed, reduced ratchet angle of 22.5°
- Quick-change die heads:
- CNC-production guarantees high-precision thread-die fits
- Non-positive octagonal universal drive
- Long guidance to center the pipe perfectly
- Precision thread dies:
- Made of high-grade, annealed steel to last an extremely long time
- Optimized cutting geometry – light first cut, excellent chip removal
- Thread conforming to standards

Scope Of Delivery

- Ratchet handle (small octagonal receptacle)
- Cutting die heads 3/8", 1/2", 3/4", 1", and 1.1/4"
- Plastic carry case



3

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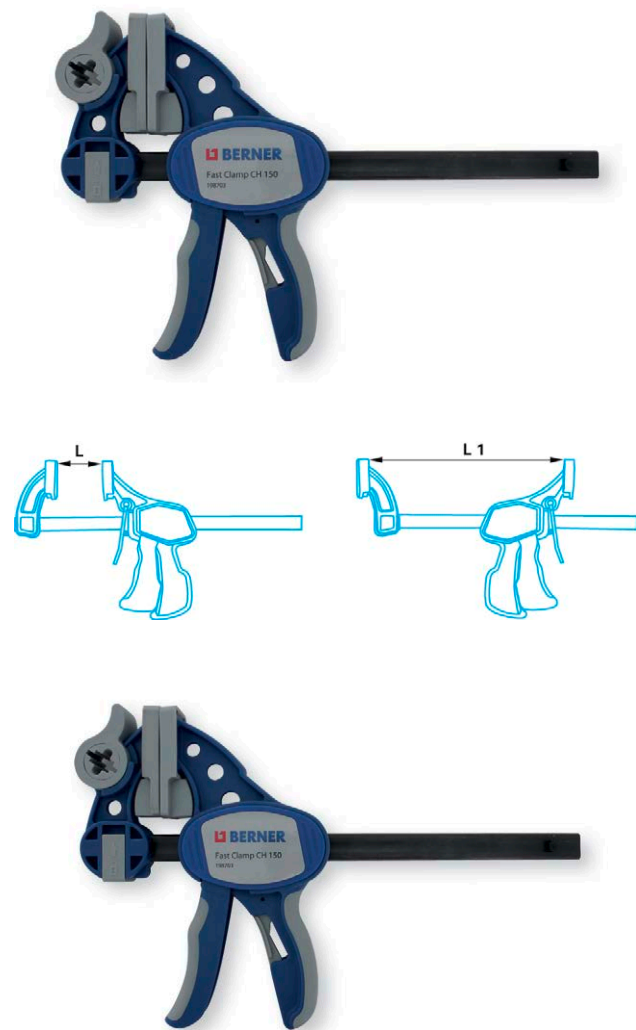
Title	Outside Ø inch	PU Piece	Article No.
Threading Die Set	3/8 - 1 1/4 "	1	053468
SUPER CUT SET 3/8" - 1 1/4"	3/8 - 1 1/4 "	1	244311

AGR: 03.505

Scope Of Supply	Piece	Article No.
Threading Die Head 3/8"	1	053470
Threading Die Head 1/2"	1	053471
Threading Die Head 3/4"	1	053472
Threading Die Head 1"	1	053473
Threading Die Head 1 1/4"	1	053474

CH-One-handed clamp

- CH = Cross Holder
- High clamping force due to efficient leverage
- Easy relaxation with one finger due to a special release lever
- Very durable and hard-wearing plastic material
- Ergonomic 2K-handle and thus easy one-handed operation
- Stable, robust component for high loads
- Soft component for secure and comfortable hold in the hand
- Large-sized vice jaws protecting the workpiece from damage
- Thanks to easy conversion also applicable as spreading-clamp
- Special device for combining clamps



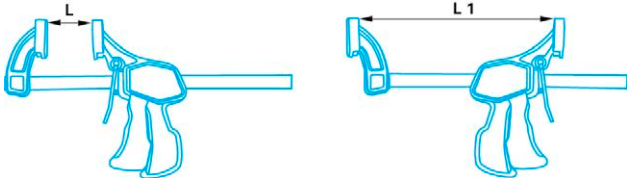
Title	Clamping range	Throat depth	Jaw Width	Width x Strength Rail	PU Piece	Article No.
CH-One-handed clamp	0 - 150 mm	85 mm	35 mm	19 x 6 mm	1	198703
CH-One-handed clamp	0 - 300 mm	85 mm	35 mm	19 x 6 mm	1	198702
CH-One-handed clamp	0 - 450 mm	85 mm	35 mm	19 x 6 mm	1	198701
CH-One-handed clamp	0 - 600 mm	85 mm	35 mm	19 x 6 mm	1	198700
CH-One-handed clamp	0 - 900 mm	85 mm	35 mm	19 x 6 mm	1	198699
AGR: 03.602						
Spare Parts					PU Paar	Article No.
Vice jaws for CH-clamp					1	210501

INTERNAL/Approved (2019-03-22 18:01:55)

Fitting tools and clamps

HD–One-handed clamp

- HD = heavy duty
- Very high clamping force due to leverage
- Special spring mechanism in the vice jaws for improved adjustment of the workpiece and parallel contact pressure
- Also appropriate for gluing
- Easy relaxation with one finger due to a special release lever
- Stable, robust metal construction for high loads
- Large-sized vice jaws protecting the workpiece from damage
- Thanks to easy conversion also applicable as spreading-clamp



3

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Title	Clamping range	Throat depth	Jaw Width	Width x Strength Rail	PU Piece	Article No.
HD-One-handed clamp	0 - 150 mm	85 mm	35 mm	19 x 6 mm	1	198698
HD-One-handed clamp	0 - 300 mm	85 mm	35 mm	19 x 6 mm	1	198697
HD-One-handed clamp	0 - 450 mm	85 mm	35 mm	19 x 6 mm	1	198696
HD-One-handed clamp	0 - 600 mm	85 mm	35 mm	19 x 6 mm	1	198695
HD-One-handed clamp	0 - 900 mm	85 mm	35 mm	19 x 6 mm	1	198694

AGR: 03.602

Spare Parts

	PU Paar	Article No.
Vice jaws for HD-clamp	1	210500

Adjustable one-handed clamp

- Easy and robust one-handed clamp for quick fixation of workpieces etc.
- Ergonomic 2K-handle and thus easy one-handed operation
- Stable, robust component for high loads
- Soft component for secure and comfortable hold in the hand
- Easy releasing of the tension
- Flexible vice jaws, also appropriate for the use of round components
- Infinitely variable adjustment of the clamping range



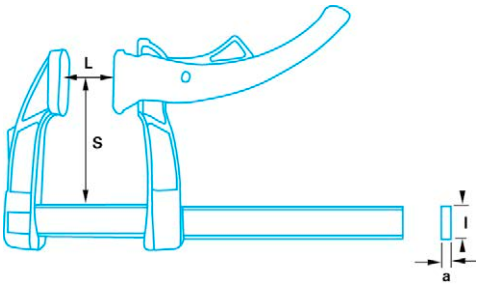
Title	Clamping range	Throat depth	PU Piece	Article No.
Adjustable one-handed clamp	0 - 145 mm	60 mm	1	198690

AGR: 03.602

Fitting tools and clamps

Fast Clamps Kliklamp

- Due to the special construction, a clamping force of up to 1200 N can be achieved
- One-handed operation possible
- Stable fixed bracket and sliding jaw out of light magnesium
- Multi stage vibration-proof VIBRAFIX-latching mechanism
- Secure holding due to a intersected prisma on the fixed bracket beneath the protective cover.
- Therefore round, peinted or edgy parts can be hold securely
- The ergonomically designed clamping arm out of glassfibre reinforced polyamide is break-proof and sits comfortably in the hand



Title	Clamping range	Throat depth	Weight, Fixed	PU Piece	Article No.
KLIK CLAMPS 12	0 - 120 mm	80 mm	0.26 kg	1	180456
KLIK CLAMPS 16	0 - 160 mm	80 mm	0.28 kg	1	180452
KLIK CLAMPS 20	0 - 200 mm	80 mm	0.30 kg	1	180453
KLIK CLAMPS 25	0 - 250 mm	80 mm	0.35 kg	1	180454
KLIK CLAMPS 30	0 - 300 mm	80 mm	0.38 kg	1	180172
KLIK CLAMPS 40	0 - 400 mm	80 mm	0.45 kg	1	180171

AGR: 03.600

INTERNAL/Approved (2019-03-22 18:02:39)

HD Fast Action Clamp

- Quick-action clamping, very stable clamp
- Sensitive, exact and also strong clamping of materials due to the ratchet mechanism
- One-hand operation for tensioning and releasing
- A protective plastic jaw with intersected grooves is attached to the upper arm. Thus also round parts can be held
- Bottom arm with a movable clamping jaw, to always reach the best traction
- Highly stable double-T-steel-tension rail
- Clamping arm out of high-quality aluminium die-cast
- Ratchet mechanism out of steel



Title	Clamping range	Throat depth	Jaw Width	Width x Strength Rail	PU Piece	Article No.
HD Fast Action Clamp	0 - 100 mm	65 mm	30 mm	19 x 6 mm	1	244104
HD Fast Action Clamp	0 - 200 mm	65 mm	30 mm	19 x 6 mm	1	244103
HD Fast Action Clamp	0 - 300 mm	65 mm	30 mm	19 x 6 mm	1	244102

AGR: 03.600

Universal Clamp small

- Bodies, edges, frames, etc. can be glued together without the risk of a surface damage
- Angles and bevels can be exactly positioned and custom-fit connected
- The high-quality design guarantees a high service-life - even under heavy-duty work
- This clamp is ideally suitable for long parts
- The UNI-clamp ensures a problem-free positioning and tensioning in any situation
- Also suitable for the gluing of edges of inner and outer radii
- NO SLIPPING and NO DAMAGING of the board surface, even on even surfaces



3

Title	Clamping range	Throat depth	PU Piece	Article No.
UNI CLAMP SMALL	10 - 48 mm	80 mm	1	041349
UNI CLAMP BIG	10 - 65 mm	120 mm	1	041350

AGR: 03.609

Window adjust Clamp 40-85 mm

- Replaces wedges and other shims, which previously for aligning a window frame to the through-opening were necessary
- Clamp body of fiber-reinforced super Polyamid
- The hinged plastic cap on the spindle, which serves for attachment to the inner frame side, each fitted Frame profile shape. The support on the opposite side by two non-slip steel jaws
- Spindle and rails made of galvanized steel. Handy wooden handles, riveted burrs

Application Area

- Mounting aid for setting and aligning Frames of wood, plastic and aluminum

Title	Clamping range	Weight, Fixed	PU Piece	Article No.
Window adjust clamp 40-85 mm	40 - 85 mm	0.42 kg	1	217688

AGR: 03.609

INTERNAL/Approved (2019-03-22 18:02:56)

Fitting tools and clamps

Universal disc carrier 0-65 mm

- The disc carrier stands out due to its high load capacity, low weight and wide application range with different disk materials
- Soft rubberized jaws are protecting the surface against damages
- Ergonomically formed handle for a greater wearing comfort

Application Area

- For the transport of discs of all kind with smooth and slippery surfaces

Hints

- Disc carriers are supplied in pairs



Title	Clamping range	PU Paar	Article No.
UNI-PLATE CARRIER, PAIR	0 - 65 mm	1	188245

AGR: 03.609

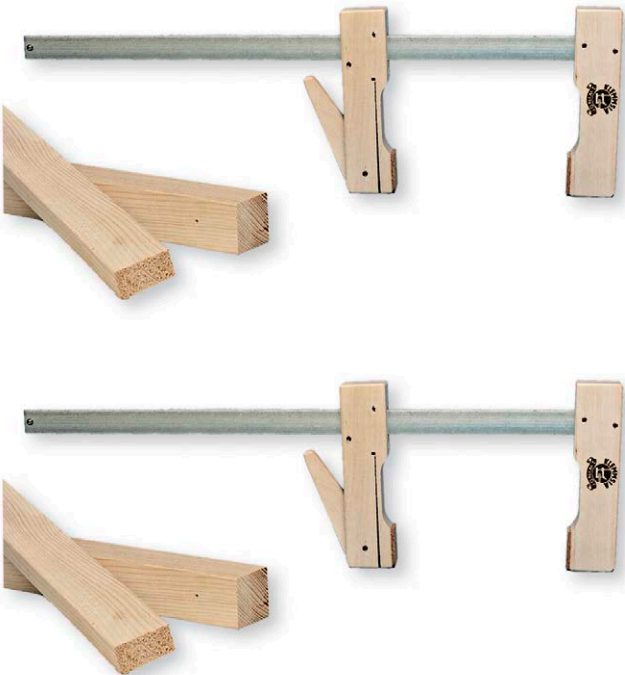
Fitting tools and clamps

Wood Glue Clamp

- Out of white beech wood, therefore high stability
- With an eccentric leber and a bright zinc-plated steel rail
- Non-slip cork overlay, therefore careful handling of the workpieces
- Handy due to its low dead weight

Application Area

- Clamping and tensioning of sensitive work pieces e.g. while door installation, restoration work and other woodworks



Title	Clamping range	Throat depth	PU Piece	Article No.
WOOD GL-CLAMP HZ 40-110	0 - 400 mm	110 mm	1	107640*

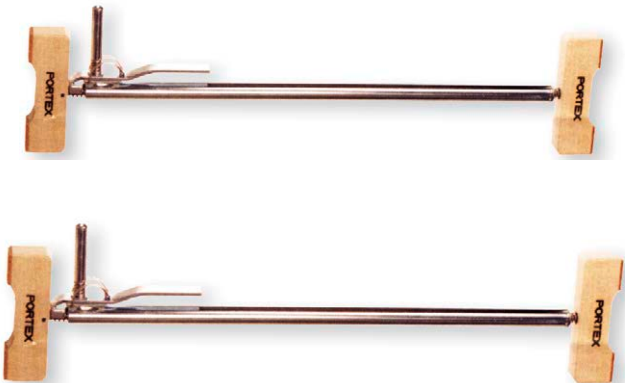
\* = The delivery time is 28 days  
AGR: 03.601

Door Jamb Expander

- Time-saving assembly during the installation of natural doors through gluing, bonding and foaming
- With a cork overlay which prevent pressure marks and damages
- Low weight - easy handling
- Adjustable opening capacity and expanding force

Application Area

- For doors of different types of constructions



Title	Clamping range	Jaw Width	PU Piece	Article No.
BERNER DOOR JAMB EXPANDER	570 - 960 mm	125 mm	1	169529

AGR: 03.603

INTERNAL/Approved (2019-03-22 18:03:08)

Malleable Screw Clamp

- Optimal protection of the workpiece due to the protective cap out of stable polyamide
- Clamping arms out of high quality malleable iron
- Profile rail galvanized and ribbed double-sided, therefore high slip resistance
- High clamping force due to a handy formed handle
- No risk of injury due to a plastic covered wooden handle
- Zinc-plated spundke



Title	Clamping range	Throat depth	Width x Strength Rail	PU Piece	Article No.
TOP 16- 8 MALL.CST.IRON-SCR.CL	0 - 160 mm	80 mm	25 x 6 mm	1	741590
TOP 20-10 MALL.CST.IRON-SCR.CL	0 - 200 mm	100 mm	27 x 7 mm	1	741604
TOP 25-12 MALL.CST.IRON-SCR.CL	0 - 250 mm	120 mm	29 x 9 mm	1	103117
TOP 30-14 MALL.CST.IRON-SCR.CL	0 - 300 mm	140 mm	32 x 10 mm	1	103118
TOP 40-14 MALL.CST.IRON-SCR.CL	0 - 400 mm	140 mm	32 x 10 mm	1	103119
TOP 50-14 MALL.CST.IRON-SCR.CL	0 - 500 mm	140 mm	32 x 10 mm	1	103120
TOP 60-14 MALL.CST.IRON-SCR.CL	0 - 600 mm	140 mm	32 x 10 mm	1	103121
TOP 80-14 MALL.CST.IRON-SCR.CL	0 - 800 mm	140 mm	32 x 10 mm	1	103122
TOP 100-14 MALL.CST.IRON-SCR.C	0 - 1000 mm	140 mm	32 x 10 mm	1	103123
TOP 125-14 MALL.CST.IRON-SCR.C	0 - 1250 mm	140 mm	32 x 10 mm	1	103124
TOP 150-14 MALL.CST.IRON-SCR.C	0 - 1500 mm	140 mm	32 x 10 mm	1	103125
TOP 200-14 MALL.CST.IRON-SCR.C	0 - 2000 mm	140 mm	32 x 10 mm	1	103127

AGR: 03.609

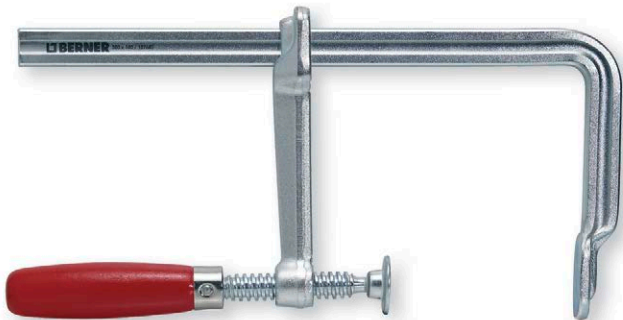
Fitting tools and clamps

## All-Steel Screw Clamps

- Fixed and sliding bars made from forged, annealed and galvanized special steel, making them very strong and resistant to fracture
- High clamping force thanks to the ergonomically designed wooden handle
- Plastic cover on the wooden handle prevents any risk of injury
- Black-finished spindle

### Application Area

- Fixing and aligning workpieces



Title	Clamping range	Throat depth	Width x Strength Rail	PU Piece	Article No.
All-Steel Screw Clamp GV 16-8	0 - 160 mm	80 mm	16 x 7.5 mm	1	107643
All-Steel Screw Clamp GV 20-10	0 - 200 mm	100 mm	19.5 x 9.5 mm	1	107644
All-Steel Screw Clamp GV 25-12	0 - 250 mm	120 mm	22 x 10.5 mm	1	107645
All-Steel Screw Clamp GV 30-14	0 - 300 mm	140 mm	25 x 12 mm	1	107647
All-Steel Screw Clamp GV 40-12	0 - 400 mm	120 mm	25 x 12 mm	1	107648
All-Steel Screw Clamp GV 50-12	0 - 500 mm	120 mm	25 x 12 mm	1	107649
All-Steel Screw Clamp GV 60-12	0 - 600 mm	120 mm	25 x 12 mm	1	107650
All-Steel screw Clamp GV 80-12	0 - 800 mm	120 mm	27 x 13 mm	1	107651
All-Steel Screw Clamp GV 100-12	0 - 1000 mm	120 mm	27 x 13 mm	1	107652

AGR: 03.604

Universal Beam Clamp

- With this tool ensures that beams can be tightened and fixed before the screwing
- The two forged hooks and the stable ratchet are guarantee a good hold and high clamping force

Application Area

- For the powerfull pulling, tensioning and compressing of rafters, purlins and other woods



Title	PU Piece	Article No.
SCANTLING TENSION DEVICE AGR: 03.609	1	025957

Fitting tools and clamps

Set of Winbag Installation Pillows

- No damage to the frame due to the soft inflatable pillow - no scratches
- Millimeter precise fitting of the elements to be mounted - simple adjustment
- After adjustment with Winbag immediately ready for installation and joints - free joints
- Saves installation time
- Easy mounting of doors

3 Application Area

- For fitting windows quickly and simply, without causing any damage

Characteristics

- Slim design - Winbag is 2 mm thick and therefore can be pushed between door and frame or between window and rubber strip

Hints

- It has to be sprayed with silicone spray before use

Scope Of Delivery

- 1 Set Winbag (4 units) and 1 practical belt hook
- 1 Winbag without belt hook

Title	External length X width	Length x width	PU Piece	Article No.
Windbag Installation Pillow	150 x 160 mm	160 x 150 mm	1/2/4	159134

AGR: 03.990



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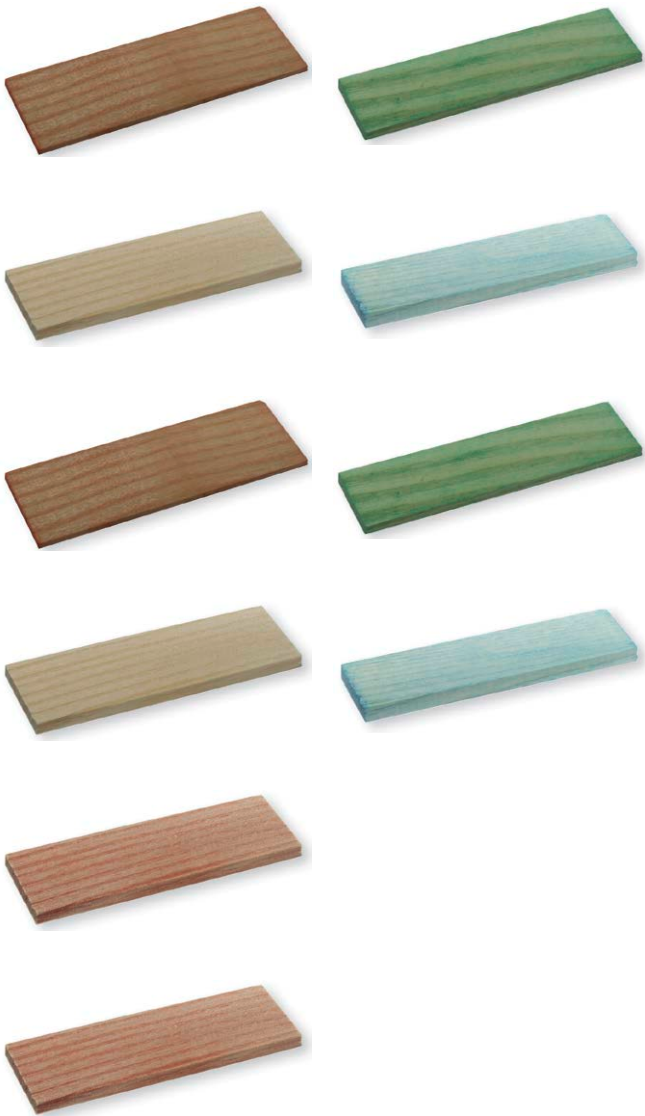
Fitting tools and clamps

Spacing Block

- High-quality hardwood (ash)

Application Area

- For the mounting of windows, doors, doorframes and other joineries



3

INTERNAL/Approved (2019-03-22 18:04:02)

Title	Length x width	Total Height	PU Piece	Article No.
DISTANCE PL W 80x20x10MM BLUE	80 x 20 mm	10 mm	50	363399
DISTANCE PL W 80x20x15MM GREEN	80 x 20 mm	15 mm	50	363398
DISTANCE PL W80x20x20MM NATURE	80 x 20 mm	20 mm	50	363410
SPACG BLOCK H.80X20X3MM GREEN	80 x 20 mm	3 mm	100	171029
SPACG BLOCK H.80X20X4MM NAT	80 x 20 mm	4 mm	100	171030
SPACG BLOCK H.80X20X6MM BROWN	80 x 20 mm	6 mm	100	171032
SPACING BLOCK H. 80X20X2MM RED	80 x 20 mm	2 mm	100	171028
SPACING BLOCK H.80X20X5MM BLUE	80 x 20 mm	5 mm	100	171031

AGR: 03.990 / 06.139

## Clamps and assembly tools

### Tool Set 72 pc's

- All tools in one set
- 72 tools made according to DIN, clearly and neatly packaged in a high-quality case
- With just one handle you have the most needed tools on the spot 1/4 "and 1/2" socket set
- 72 Tooth ratchet with lock
- Socket wrench with hexagonal profile
- All tools are made of chrome-vanadium steel
- Satin matt Chrome finish of the tools
- High quality plastic case with metal locks
- A pair of mechanic gloves are included
- Fork / ring wrench set, screwdriver, pliers, hammer and many more

#### Application Area

- In the vehicle, on the road, on the construction site and at home

#### Hints

- These tools are not available for reordering
- However, the suitcase can be equipped with Berner tools

#### Scope Of Delivery

- 1/4" Dr. Socket: 4-5-6-7-8-9-10-11-12-13 mm
- 1/4" Dr. Deep Socket: 5-6-7-8-9 mm
- 1/4" Dr. Extension Bar 3"
- 1/4" Dr. Universal Joint
- 1/4" Dr. Spinner Handle
- 1/4" Bits 25mm: (SL) 3-4-5-6 (PH) 1-2-3 (TX) 10-15-20-25-27-30-40
- 1/4" Dr. Coupler
- 1/4" Dr. Ratchet Handle 72TH
- 1/2" Dr. Socket: 10-11-12-13-14-15-17-19-22-24-27-30-32 mm
- 1/2" Dr. Spark Plug Socket 16mm & 21mm
- 1/2" Dr. extension bar 5"
- 1/2" Dr. Universal Joint
- 1/2" Dr. Ratchet Handle 72TH
- Combination Wrench: 10-11-12-13-14-15-17-19 mm
- Hex Key Wrench 1.5-2-3
- Waterpump Pliers 10"
- Locking Pliers 10"
- Combination Pliers 7"



- Locksmith’s Hammer 300g
- Screwdrivers PZ2 8x200mm, PH2 6x40mm, PH2 6x100mm, LS 6x40mm, LS 6x100mm

Title	PU Piece	Article No.
Tools Set 72 pc's, 1/4" and 1/2"	1	249716
AGR: 03.018		

Tool Kit Electrician "Standard"

- This set contains everything what you need in the electronic sector.  
Also suitable for apprentices

Title	PU Piece	Article No.
TOOLKIT ELECTRICIAN "STANDARD"	1	081467

AGR: 07.945

Scope Of Supply	Amount	Article No.
Sledge Hammer	1	244599
VDE-Flachrundzange 3K	1	188082
VDE-Seitenschneider 3K	1	188086
VDE-Abisolierzange 3K	1	188102
Universal Saw 270mm	1	339563
Carpenter's Pencil blue	1	000178
Sheet Metal Flat Chisel DIN 6453 Lenght 200 mm 5000/8	1	068209
Screw driver assortment 2K VDE SL/PH foam	1	240305
CABLE KNIFE 486001	1	103384
CONN.PLIER ISO 0,5-6MM	1	098455
Steel Spatula 50 mm	1	170909
Heavy-Duty Multi Purpose Plier 3K 180 mm	1	188076
UNIVERSAL CRIMPING PLIER	1	201222
Spirit Level 20 cm	1	038847



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Clamps and assembly tools

Tool Kit Electrician "Big"

- This set contains everything what you need in the electronic sector.

Title	PU Piece	Article No.
TOOLKIT ELECTRICIAN "BIG"	1	081465
AGR: 07.945		
Scope Of Supply	Amount	Article No.
Heavy-Duty Multi Purpose Plier 3K 180 mm	1	188076
VDE-Flachrundzange 3K	1	188082
VDE-Seitenschneider 3K	1	188086
VDE-Flachrundzange gebogen 3K	1	188081
Sheet Metal Flat Chisel DIN 6453 Lenght 200 mm 5000/8	1	068209
Machinist's Hammer Topline DIN 1041 500 g 6110/5	1	-
Screw driver assortment 2K VDE SL/PH foam	1	240305
CABLE-PULL TAPE 10/4	1	137489
Center Punch in accordance with DIN 7250	1	068390
Holder for Marking Chalk	1	083871
Scriber with Carbide Clip	1	169085
Hex key set 9 pieces, short	1	200437
Measuring Tape EG II NC without magnet 3m	1	097784
Tape Measure EG II NC "BERNER" 3m	1	049306
Multi tester LED Plus III	1	214018
Junior Sawframe 240 mm	1	046299
Screw driver 2K VDE R-TX 10x80	1	218533
Screw driver 2K VDE R-TX 15x80	1	218534
Screw driver 2K VDE R-TX 20x80	1	218535
Screw driver 2K VDE R-TX 25x80	1	218536
Screw driver 2K VDE special PH 2x100	1	218540
Marking Chalk blue	1	082644
Spirit Level 20 cm	1	038847
Steel Spatula 50 mm	1	170909
Tool for Measuring the Stripped Length of Insulation 4-28H	1	120939
Fine Knit Gloves Gray Size 9	1	170343
Universal Switchgear Cabinet Wrench	1	018497



Tool Package Sanitary "Big"

- The perfect tool set fot professional plumbers and sanitary people



Title	PU Assortment	Article No.
Tool Package Sanitary "Big"	1	215427
AGR: 07.945		
Scope Of Supply	Amount	Article No.
Heavy-Duty Combination Pliers „Combi-Max“ 180 mm	1	100534
Side Cutters with 3-Component Soft Grip 160 mm	1	100521
Sheet Metal Flat Chisel DIN 6453 Lenght 200 mm 5000/8	1	068209
Machinist's Hammer Topline DIN 1041 500 g 6110/5	1	-
Metal Hacksaw Frame 480 mm	1	148830
Mini Hacksaw Blade and Clamping Handle 310 mm	1	050539
Flat-Hand Workshop File 250 mm 7840/2	1	069515
Round Workshop File 250 mm 7840/6	1	069558
Screw driver assortment 2K Premium SL/PH foam	1	240286
Double Open Ended Wrench Set 100 10-pcs	1	104487
Holder for Marking Chalk	1	083871
Corner-Work Pipe Wrench 0 - 35 1"	1	053548
Cutter metal rail 18 mm	1	129887
Hex key set 9 pieces with ball head, XL	1	200453
Locksmith's Hammer	1	244581
Tape Measure EG II NC "BERNER" 5m	1	049305
Pipe cutter CU 35 mm	1	053221
Pipe cutter CU 6-22 mm	1	053219
PTFE BOBBIN "LOCTITE 55"	1	075842
Safety spactacles "Elasto" clear	1	153761
Stocks leverage circular Ideal - plate shears left-handed 260mm	1	049360
Marking Chalk blue	1	082644

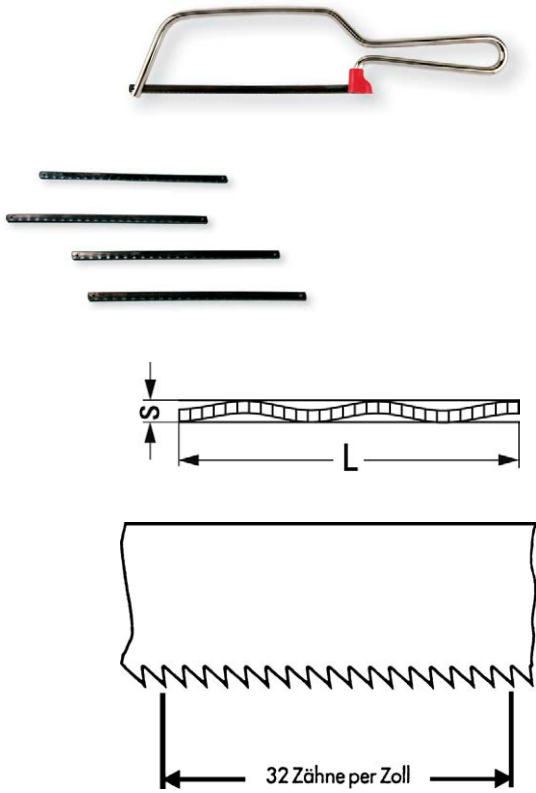
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Junior Hacksaw

- Highly tensioned, all-steel junior hacksaw
- Hacksaw blade is stretched without twisting by the intrinsic tension of the steel frame

Characteristics

- For 150 mm long pin saw blades
- Nickel-plated out of 6 mm strong round steel with heavy pre-tensioning, finger protection and camped saw blade



Title	Length total (mm)	Sheet Length (mm)	Number of teeth per inch	PU Piece	Article No.
Junior Sawframe	240 mm	150 mm	32 T/in	1	046299
AGR: 03.931					
Accessories Available				PU Amount	Article No.
Fret Saw blade				10	046280

Universal Saw

- Stable Pin saw wooden handle iron with plastic pistol grip
- For 150 mm long, pinblade
- Blade tension by screw

Scope Of Delivery

- 1 saw blade



3

Title	Length total (mm)	Sheet Length (mm)	PU Piece	Article No.
UNIVERSAL SAW 150 MM	270 mm	150 mm	1	339563
AGR: 03.931				
Accessories Available			PU Piece	Article No.
Fret Saw blade			10	046280

Mini Hacksaw Blade and Clamping Handle

- Plastic saw handle for clamping standard metal saw blades in place
- Enables you to perform flush cuts
- For confined, hard-to-access spaces
- Can be used for broken blades

Scope Of Delivery

- 1 Saw Blade



Title	Length total (mm)	Sheet Length (mm)	PU Piece	Article No.
Mini Hacksaw Blade and Clamping Handle	310 mm	200 mm	1	050539

AGR: 03.933

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Handsaws

Metal Piercing Hacksaw Frame

- Metal piercing Hacksaw frame with a wooden handle
- Low-torsion steel frame
- Saw blade tensioned by winged nuts

Scope Of Delivery

- 1 Saw Blade



Title	Length total (mm)	Sheet Length (mm)	PU Piece	Article No.
Metal Hacksaw Frame	480 mm	300 mm	1	148830

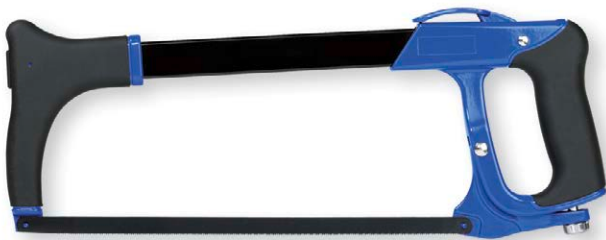
AGR: 03.933

Grip Hand Miter

- Fast and easy blade change with quick-release device
- Very stable and easy to handle from aluminum
- Handle made of soft elastomer

Scope Of Delivery

- 1 Saw Blade



Title	Length total (mm)	Sheet Length (mm)	Number of teeth per inch	PU Piece	Article No.
HANSAW 300 MM	400 mm	300 mm	24 T/in	1	120515

AGR: 03.933

Precise Backsaw Crank

- Suitable for hardwoods and thin plastics
- Fine serration
- Specially hardened teeth
- for joinery
- Cranked, polished wood handle



Title	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
PRECIS SAW CRANK 250MM 14Z	250 mm	14 T/in	fine	1	076362

AGR: 03.934

Tenon Saw, Straight

- Suitable for hardwoods and thin plastics
- Fine serration
- Specially hardened teeth
- For joinery
- Straight, polished wood handle



Title	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
Fine Saw, Straight	250 mm	14 T/in	fine	1	106871

AGR: 03.934

Hand saw fine cut

- Sawing extremely fast with a clear honest and clean cut.
- Fits in a tool box with its short length.

Application Area

- When cutting lumber, particle board or veneer core plywood against plastics and PVC.

Hints

- Japanese triple hardened teeth require no sharpening bevels.
- Handle two materials.



Title	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
Hand saw fine cut	400 mm	12 T/in	fine	1	076368

AGR: 03.933

INTERNAL/Approved (2019-03-22 18:05:39)

Handsaws

HANDSAW 500MM UNIVERSAL

- For all dry wood, particle board, laminated wood and plastics
- Specially hardened teeth for long service life
- Universal toothing
- 2-component handle



Title	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
HANDSAW 500MM UNIVERSAL	500 mm	7 T/in	Coarse	1	076359

AGR: 03.933

Hand Saw Carpenter

- For beams, particle boards and timbers
- Specially hardened teeth for long service life
- coarse teeth
- 2-component handle



Title	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
HANDSAW 600MM F.CARPENT.	600 mm	3.5 T/in	Coarse	1	076361

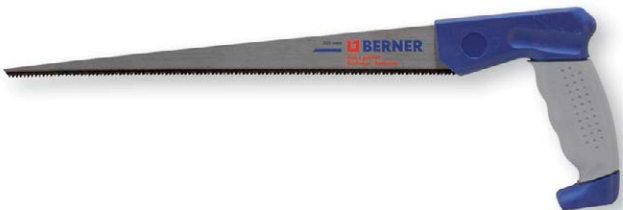
AGR: 03.933

Compass Saw 300

- For cutting holes, strips and plates developed (eg cut-outs for penetrations of electricity or water lines in the drywall)
- Universal toothing
- 2-component handle

Characteristics

- Number of teeth per inch: 7
- Blade thickness: 1.2 mm
- Cutting profile: medium



3

Title	Length total (mm)	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
COMPASS SAW 300 MM	450 mm	300 mm	8 T/in	Medium	1	076363

AGR: 03.933

Knife for Plasterboard

- The robust blade with tripple grinded notches ends up in an extremely sharp tip
- The saw can be perfectly driven into the material due to the special wooden handle and the sharp tip
- Through the sharp saw you can easily cut out all shapes out of the plasterboard

Application Area

- The knife for plasterboards is perfectly suitable for cutting out holes, recesses or making adjustments at plasterboards



Title	Sheet Length (mm)	Number of teeth per inch	PU Piece	Article No.
KNIFE F. PLASTERBRD. 160MM	160 mm	8 T/in	1	076367

AGR: 03.939

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Handsaws

Steel Tube Bow Saw

Application Area

- Rough cutting of timbers and natural wood, e.g. green wood, formwork planks, battens

Title	Length total (mm)	Sheet Length (mm)	PU Piece	Article No.
Steel Tube Bow Saw	760 mm	760 mm	1	146764
AGR: 03.933				
Accessories Available			PU Piece	Article No.
Replacement Saw Blade 760 mm			1	146766



Hand Saws Set, 6-piece

- Saw blades can be changed quickly and easily at the simple push of a button
- Much quicker than conventional hand saws
- Extra thin saw blades with a draw cut
- Ergonomically designed handle made from strong ABS plastic with a soft, elastic cover
- Stored safely and clearly in a practical fabric pouch

Application Area

- Wood, metal and plastic

Scope Of Delivery

- 5 saw blades, 1 universal handle, 1 fabric pouch

Title	PU Amount	Article No.
Hand Saws Set, 6-piece	1	004813
Hand Saws Set, 3-piece	1	030516

AGR: 03.933

Spare Parts	PU Piece	Article No.
Wood/Plastic Saw Blade, Fine	1	015543
Green Wood Saw Blade	1	015548
Wood Saw Blade, Middle	1	015545
Wood Saw Blade, Coarse	1	015544
Metal Saw Blade	1	015546

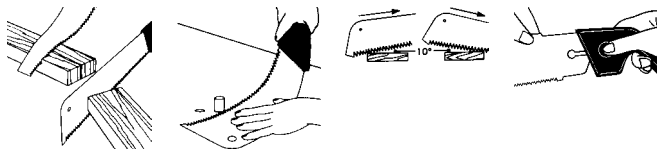


Japanese Saw speed cut

- Pull cut which prevents the blade of the saw from bending and sticking
- Thin saw blade for fine cuts and precise initial sawing
- High-carbon steel saw blade with three diamond-ground cutting edges
- Quick, effortless sawing, cutting angle less than 10°
- Ergonomically shaped handles, enabling you to make flush cuts
- Folding saw blade with a lock (Speed Cut Universal), quick and safe to replace

Application Area

- Speed Cut 270/Speed Cut 300: building timber and natural woods, veneered and coated woods, plastics
- Speed Cut Universal: tree wood and branches, building timber and natural woods, ABS and PVC pipes



Title	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
Speed Cut Pull Saw	270 mm	17 T/in	very fine	1	138117
Speed Cut Pull Saw	300 mm	14 T/in	fine	1	138120
Speed Cut Universal Pull Saw	195 mm	9 T/in	Coarse	1	138119

AGR: 03.932

Accessories Available

	PU Piece	Article No.
Replacement Blade 270 mm	1	138109
Replacement Blade Universal	1	138110
Replacement Blade 300 mm	1	138111

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Japanese Saw Kataba

- Three-sided diamond-ground teeth
- Very thin sheet
- Solid short steel backing for stability
- Fast, clean and fine cuts
- Suitable for plywood, thin plastics and hard woods
- Extra long bamboo handle

Characteristics

- Specially hardened teeth

Title	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
JAPANSAW KATABA 270 MM	270 mm	16 T/in	very fine	1	094306
AGR: 03.932					
Spare Parts				PU Piece	Article No.
JAPANSAW KATABA BLADE 270mm				1	119917



Japanese Saw Ryoba

- Three-sided diamond-ground teeth
- Upper leaf side with fine teeth
- Lower leaf side with coarse teeth
- Thin blade for fast and clean cuts
- Suitable for hardwoods, chipboard, plywood and thin plastics
- Extra long bamboo handle

Characteristics

- Specially hardened teeth

Title	Sheet Length (mm)	Number of teeth per inch	Cutting Image	PU Piece	Article No.
JAPANESE SAW RYوبا 240MM	240 mm	14 T/in	fine	1	094307
AGR: 03.932					
Spare Parts				PU Piece	Article No.
JAPANSAW RYوبا BLADE 240mm				1	119922



INTERNAL/Approved (2019-03-22 18:06:35)

Firmer chisels, planes

Beveled-Edge Chisel with Wooden Handle

- Easy to resharpen and grind the blade thanks to the highly-polished surface
- The forged blades offer optimum edge-wearing resistance as they are made from special tool steel with 61 HRc

Characteristics

- DIN 5139 with a flattened white beech handle and a machine-ground cutting edge

Technical Data

Grip Material	wooden handle
Norms	DIN 5139

Title	Blade Width	PU Piece	Article No.
353002 MORT.CHIS WOOD SHAFT 6	6 mm	1	753246
353009 MORT.CHIS WOOD SHAFT 24	24 mm	1	855820

AGR: 03.940



Firmer chisels with wooden handle

- Highly-polished surface
  - Easy to resharpen and grind the blade
- Made with special tool steel with 61 HRc
  - The forged blades offer optimum edge-wearing resistance

Technical Data

Grip Material	wooden handle
With Hand Protection	No
Norms	DIN 5139
Material	Steel
Hardness	61 HRc



Title	Blade Width	Length total (mm)	PU Piece	Article No.
Beveled-Edge Chisel With Wooden Handle	6 mm	248 mm	1	107748
Beveled-Edge Chisel With Wooden Handle	8 mm	252 mm	1	107749
Beveled-Edge Chisel With Wooden Handle	10 mm	252 mm	1	107750
Beveled-Edge Chisel With Wooden Handle	12 mm	261 mm	1	107752
Beveled-Edge Chisel With Wooden Handle	14 mm	263 mm	1	107753
Beveled-Edge Chisel With Wooden Handle	16 mm	266 mm	1	107754
Beveled-Edge Chisel With Wooden Handle	18 mm	267 mm	1	107755
Beveled-Edge Chisel With Wooden Handle	20 mm	269 mm	1	107756
Firmer chisel with wood handle	22 mm	275 mm	1	801895
Beveled-Edge Chisel With Wooden Handle	24 mm	280 mm	1	107757
Beveled-Edge Chisel With Wooden Handle	26 mm	280 mm	1	107758
Beveled-Edge Chisel With Wooden Handle	30 mm	288 mm	1	107761
Firmer chisel with wood handle	35 mm	295 mm	1	366816
Firmer chisel with wood handle	40 mm	305 mm	1	801925

AGR: 03.940

INTERNAL/Approved (2019-03-22 18:06:51)

Firmer chisels, planes

Wooden box firmer chisel set - According to DIN 5139

- Forged blades
  - Optimum resistance
- Hardness 61 HRc

Scope Of Delivery

- Delivered in wooden box

3

Title	Content	PU Piece	Article No.
Firmer chisel set wooden handle	5 PC	1	924563

AGR: 03.941

Scope Of Supply	Piece	Article No.
Beveled-Edge Chisel With Wooden Handle 6 mm	1	107748
Beveled-Edge Chisel With Wooden Handle 10 mm	1	107750
Beveled-Edge Chisel With Wooden Handle 15 mm	1	-
Beveled-Edge Chisel With Wooden Handle 20 mm	1	107756
Beveled-Edge Chisel With Wooden Handle 25 mm	1	-



Firmer chisels, planes

Beveled-Edge Chisel with 2-Component Soft Grip Handle

- Easy to resharpen and grind the blade thanks to the highly-polished surface
- The forged blades offer optimum edge-wearing resistance as they are made from special tool steel with 61 HRc

Characteristics

- DIN 5139, machine-ground cutting edge, ergonomically designed 2-component soft grip handle made from highly impact-resistant plastic

Hints

- Blade width set: 6 - 10 - 12 - 16 - 20 - 26 mm

Technical Data

Grip Material2 component handle

Title	Blade Width	Length total (mm)	PU Piece	Article No.
Beveled-Edge Chisel 2-Comp. Soft Grip Handle	10 mm	254 mm	1	021474
Bev.-Edge Chisel 2-Comp. Soft Grip Handle	14 mm	258 mm	1	021476
MORT. CHISEL W.2K-HANDLE 16MM	16 mm	260 mm	1	021477
Bev.-Edge Chisel 2-Comp. Soft Grip Handle	24 mm	268 mm	1	021482
Bev.-Edge Chisel w. 2-Comp. Soft Grip Handle	26 mm	270 mm	1	021483
MORT. CHISEL W.2K-HANDLE 40MM	40 mm	285 mm	1	021488

AGR: 03.940



Firmer chisels, planes

Wood chisels with impact button 2K handle -  
According to DIN 5139

- Heavy duty bevel edged chisel for woodworking.
- With impact button
  - Can be used with a hammer
- Robust 2 component handle
  - Non slip



Technical Data

Grip Material	2 component handle
With Hand Protection	No
Norms	DIN 5139
Material	Forged Cr-Mn steel
Hardness	59 HRC

Title	Blade Width	Length total (mm)	PU Piece	Article No.
Wood chisel with impact button	6 mm	245 mm	1	366817
Wood chisel with impact button	8 mm	247 mm	1	366818
Wood chisel with impact button	10 mm	249 mm	1	366819
Wood chisel with impact button	12 mm	251 mm	1	366821
Wood chisel with impact button	14 mm	253 mm	1	366822
Wood chisel with impact button	16 mm	255 mm	1	366823
Wood chisel with impact button	18 mm	257 mm	1	366824
Wood chisel with impact button	20 mm	259 mm	1	366825
Wood chisel with impact button	22 mm	261 mm	1	366826
Wood chisel with impact button	26 mm	265 mm	1	366827
Wood chisel with impact button	30 mm	269 mm	1	366828
Wood chisel with impact button	40 mm	280 mm	1	366829

AGR: 03.940

INTERNAL/Approved (2019-03-22 18:07:13)

Wood chisel set 2K impact button 4 pieces - According to DIN 5139

- Woodworking bevel edged chisel
- With impact button
  - Can be used with a hammer
- Robust 2 component handle
- Forged Cr-Mn steel, 59 HRc

Scope Of Delivery

- Delivered in plastic bag



3

Title	Content	PU Assortment	Article No.
Wood chisel set 2K handle impact button	4 PC	1	366832
AGR: 03.941			
Scope Of Supply		Amount	Article No.
Wood chisel with impact button 2 component 10 mm		1	366819
Wood chisel with impact button 2 component 14 mm		1	366822
Wood chisel with impact button 2 component 18 mm		1	366824
Wood chisel with impact button 2 component 22 mm		1	366826

Firmer chisels, planes

Wood chisel set 2K impact button in carton box 6 pieces - According to DIN 5139

- Heavy duty bevel edged chisel for woodworking.
- With impact button
  - Can be used with a hammer
- Robust 2 component handle
  - Non slip
- Forged Cr-Mn steel blade, 59 HRc

Scope Of Delivery

- Delivered in carton box



Title	Content	PU Assortment	Article No.
Wood chisel set 2K impact button carton box 6 PC		1	366831

AGR: 03.941

Scope Of Supply	Piece	Article No.
Wood chisel with impact button 2 component 6 mm	1	366817
Wood chisel with impact button 2 component 10 mm	1	366819
Wood chisel with impact button 2 component 12 mm	1	366821
Wood chisel with impact button 2 component 16 mm	1	366823
Wood chisel with impact button 2 component 20 mm	1	366825
Wood chisel with impact button 2 component 26 mm	1	366827

Sharpening Stone wood chisels

Application Area

- To remove wood chisel blade.



Title	Grain (P)	PU Piece	Article No.
Sharpening Stone wood chisels	80P - 120P	1	366833

AGR: 03.990

Double Rabbet Plane

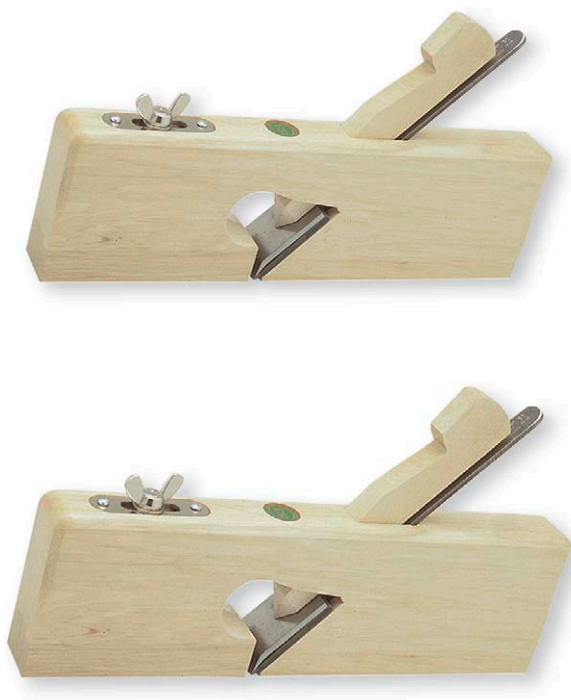
- As the plane iron is produding on both sides 1/10 mm, the plane can be used on both sides without adjusting the iron

Application Area

- For finish planing of a fold, e. g. at door and window frames and casements

Characteristics

- With a sole of hornbeam



3

Title	External Width	Length x width	Angle	Length	PU Piece	Article No.
10S 30 TWIN MOULDG PLANE 30 MM	30 mm	270 x 30 mm	50 °	270 mm	1	120956*

\* = The delivery time is 21 days  
AGR: 03.942

Firmer chisels, planes

**Rali® Hand-Held Plane with a Reversible Blade for Cost-Efficient Working**

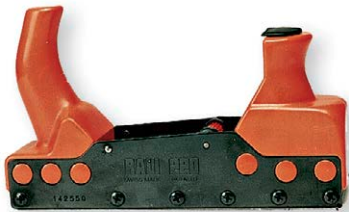
- As they use reversible blades, there is no time wasted having to sharpen and grind the plane blade
- It takes seconds to replace the blade
- Chip removal can be regulated easily
- Bottom of the plane is made from wear-resistant metal
- Replaces short-double planes, wood-smooth planes and rough planes

**Application Area**

- Indexable carbide knife: Editing chipboard, formica and Duropal
- HSS reversible cutters: processing of solid woods, e.g: Spruce, pine

**Hints**

- incl. 4 cutters



Title	Length x width	PU Piece	Article No.
Ral 220 Handheld Plane	220 x 50 mm	1	736210

AGR: 03.942

Accessories Available	PU Piece	Article No.
Replacement HSS Blade 105/220	5	107663
Replacement HSS Blade 105/220	2	107665

## Wrecking Bar

### Characteristics

- With straight nail claw



Title	Length	Weight	PU Piece	Article No.
1150-600 SPIKE BAR 600 MM	600 mm	1700 g	1	107335
1150-800 SPIKE BAR 800 MM	800 mm	2500 g	1	107337

AGR: 03.944

## Nail Puller strong

- Best leverage - increased force effect
- Blank claws - no colour traces on the wood
- High oval steel - increased stability



Title	Length	Weight	PU Piece	Article No.
NAIL PULLER STRONG 800	800 mm	2600 g	1	039660
NAIL BAR STRONG 1000MM	1000 mm	3200 g	1	137142

AGR: 03.944

## Nail-iron lever with flex shoe

- Pull out 3 ways to nails
- Very robust and stable design
- Sharp cutting boards to solve such as Open formwork, boxes, ...
- 6-way adjustable lever shoe to be able to work in tight areas effectively



Title	Length	Weight	PU Piece	Article No.
GEAR JAW WRECKER ADJUSTABLE	420 mm	816 g	1	183771

AGR: 03.944

INTERNAL/Approved (2019-03-22 18:07:42)

Hand Riveting pliers B 150 A

- Professional and robust hand riveting pliers
- Ideal for light assembly or repairing work

Application Area

- Used for processing of blind-rivets Ø 2.4 to 5.0mm Ø

Characteristics

- For blind rivets:  
Ø 2,4 mm to 4,0 mm Ø: aluminum, copper, steel and stainless steel
- A2 Blind Rivets  
Ø 2.4 mm to 5.0 mm dia: aluminum and steel

Processing Information

- Steel and stainless steel rivets Ø 4,8 / 5,0 mm can not be processed  
Mouthpiece Ø 2,4 mm is available as a special accessories

Scope Of Delivery

- Hand Riveter B150A  
Depending 1 Mouthpiece Ø 3.0 / 3.2 mm, 4.0 mm, Ø 4.8 / 5.0 mm  
mounting wrench

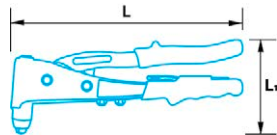
Technical Data

Working Stroke	8 mm
Weight	700 g

Title	Length total (mm)	Rivet-Ø, From	Rivet-Ø, To	PU Piece	Article No.
Hand Riveting Pliers B 150 A	255 mm	2.4 mm	5 mm	1	916004

AGR: 03.960

Spare Parts	PU Piece	Article No.
Nose piece Ø 3/3,2 mm für B 150 A	1	014092
Mouthpiece Ø 3/3,2 mm für B 150 A	1	014094
Mouthpiece Ø 4,8/5 mm für B 150 A	1	014098
Clamping jaw set for B 150 A (Pair)	1	014099



Hand Riveting Pliers with Rotary Head

- Professional hand riveting pliers with a 360-degree swivel head
- Optimally suitable for the processing of blind rivets
- in heavily accessible places
- With an integrated opening feather for an automatic rivet mandrel sputum

Application Area

- Processing of blind rivets from Ø 2,4 mm to Ø 5,0 mm

Characteristics

- For blind rivets:  
Ø 2,4 mm to 4,0 mm Ø: aluminum, copper, steel and stainless steel  
A2 Blind Rivets  
Ø 2.4 mm to 5.0 mm dia: aluminum

Processing Information

- Steel and stainless steel rivets Ø 4,8 / 5,0 mm can not be processed

Scope Of Delivery

- Hand riveter with swivel head  
Depending 1 Mouthpiece Ø 2.4 mm, Ø 3.0 / 3.2 mm, 4.0 mm, Ø 4.8 / 5.0 mm
- mounting wrench

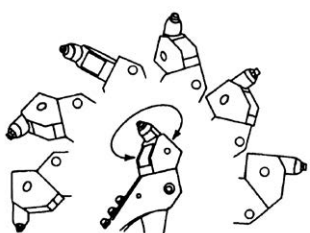
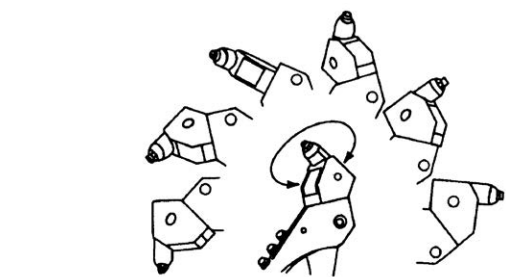
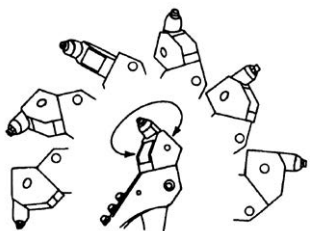
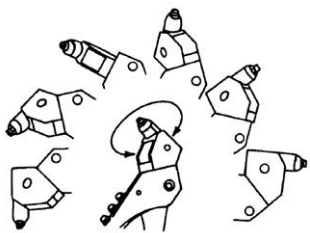
Technical Data

Working Stroke	8.5 mm
Weight	750 g

Title	Length total (mm)	Rivet-Ø, From	Rivet-Ø, To	PU Piece	Article No.
Hand Rivet Pliers with rotatable head	285 mm	2.4 mm	5 mm	1	787914

AGR: 03.960

Spare Parts	PU Piece	Article No.
NTX 10 CLAMPING JAW F.NTX PAIR	1	122695



Riveting tools

Lever Rivet Pliers B 260-1

- Lever mechanism for effortless work
- Riveting pliers can be adjusted by adjustable nose piece mandrel that can always be pulled down in an optimum working position
- Ideal for repairing and installation work

Application Area

- Process of blind rivets Ø 3.0 mm to 6.4 mm Ø

Characteristics

- For blind rivets:  
Ø 3.0 mm to Ø 6.4 mm aluminum, copper, steel and stainless steel  
A2 Blind Rivets

Processing Information

- It is important to ensure that the broken mandrel reaches into the collection container after each riveting process

Hints

- Spare parts are also partially suitable for the predecessor model B 260

Scope Of Delivery

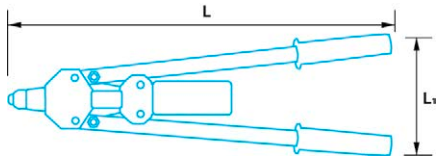
- Hebelnietzange B260-1  
Depending 1 Mouthpiece Ø 3.0 / 3.2 mm, 4.0 mm, Ø 4.8 / 5.0 mm,  
Ø 6.0 / 6.4 mm  
mounting wrench

Technical Data

Working Stroke	10 mm
Weight	1800 g

Title	Length total (mm)	PU Piece	Article No.
Lever Rivet Pliers B 260	500 mm	1	048617

AGR: 03.960



Spare Parts	PU Piece	Article No.
Mouthpiece Ø 3,0/3,2 mm for Alu, Copper, Steel, Stainless Steel A2	1	014100
Mouthpiece Ø 4,0 mm for Alu, Copper, Steel, Stainless Steel A2	1	014104
Mouthpiece Ø 4,8/5,0 mm for Alu, Copper, Steel, Stainless Steel A2	1	014105
Mouthpiece Ø 6,0 mm for Alu, Copper, Steel, Stainless Steel A2	1	014106
Mouthpiece Ø 6,4 mm for Alu, Copper, Steel, Stainless Steel A2	1	014107
Spare Chuck 3-Part	1	049466

Lever Rivet Pliers B 280 SM

- Lever rivet pliers with length-adjustable lever for effortless work and best power transfer
- Riveting pliers can be adjusted by adjustable mouthpiece mandrel that can always be pulled down in an optimum working position

Application Area

- Processing of blind rivets Ø 4.0 mm to Ø 6.4 mm, high-strength and mega-Bolt blind rivets Ø 4.8 mm to Ø 6.4 mm

Characteristics

- For blind rivets:  
Ø 4.0 mm to Ø 6.4 mm aluminum, copper, steel and stainless steel
- For all market benchmarks rivets from 4mm to 8mm diameter.
- For high-strength and mega-Bolt blind rivets:  
Ø 4.8 mm to Ø 6.4 mm aluminum and steel

Processing Information

- It is important to ensure that the broken mandrel reaches into the collection container after each riveting process

Hints

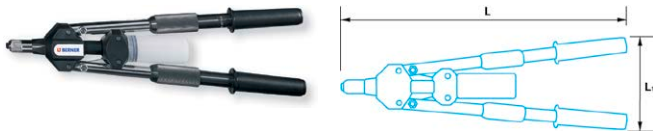
- Spare parts are partially also suitable for the predecessor model B 280 SM



Riveting tools

Scope Of Delivery

- Lever riveter B280-1SM  
Depending 1 mouthpiece 4.0mm, 4.8 / 5.0mm, 6.0mm, 6.4mm diameter for standard rivets  
Depending 1 mouthpiece 4.8mm, 6.4mm for high-strength rivets  
Depending 1 mouthpiece 4.8mm, 6.4mm for mega-Bolt Blind Rivets  
Carrying case



Technical Data

Weight	2500 g
--------	--------

Title	PU Piece	Article No.
Lever Rivet Pliers B 280 SM	1	048618

AGR: 03.960

Spare Parts	PU Piece	Article No.
Mouthpiece Ø 4,0 mm for Alu, Copper, Steel, Stainless Steel A2	1	014104
Mouthpiece Ø 4,8/5,0 mm for Alu, Copper, Steel, Stainless Steel A2	1	014105
Mouthpiece Ø 6,0 mm for Alu, Copper, Steel, Stainless Steel A2	1	014106
Mouthpiece Ø 6,4 mm for Alu, Copper, Steel, Stainless Steel A2	1	014107
Chuck jaws (pair) B280-1 SM	1	049467

Pneumatic / Hydraulic Blind rivet insert equipment BPT-BR 4-64

- Solid pneumatic / hydraulic riveter
- Large, easy-to-use lever
- Rubber-coated, cold-insulated handle for ergonomic and comfortable working
- Large, removable mandrel collector
- Removable hanger for use on spring balancers (balancer)
- Extremely narrow front piece, makes working in tight, deep places possible



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- Low vibration and insulated rubber grip
- Includes hanging bracket for industrial work

**Application Area**

- Up to a diameter (1.9 mm min Mandrel diameter.) For easy and fast processing of blind rivets Ø 3.2 mm 6.4 mm

**Characteristics**

- For Blind Rivets:
- Ø 3,2 mm to Ø 6,4 mm: of Aluminum, Copper, Steel and Stainless Steel

**Processing Information**

- Disposal of the detached rivet mandrel by tilting backwards into the collecting tank or forwards through the mouthpiece

**Hints**

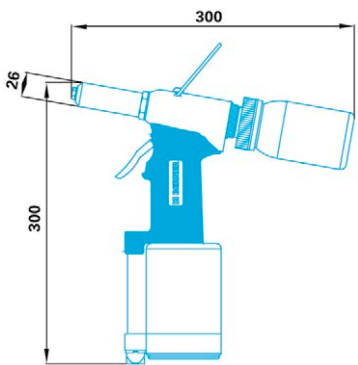
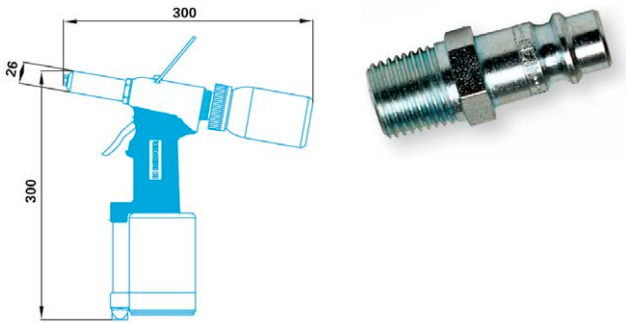
- It can be processed only with Ø 3.2mm rivets If the rivet pin diameter is minimum. 1.9 mm  
Connection nipple G 1/4 "to be ordered separately

**Scope Of Delivery**

- DL-riveter BPT-BR 4-64  
Depending 1 Mouthpiece Ø 3.2 mm, Ø 4.0 mm, Ø 4.8 / 5.0 mm, Ø 6.4 mm  
Offset wrench 5mm allen key  
Combination spanner 26  
2 double-ended wrench 17/19  
Double-ended wrench 11/13  
Multi spanner 24/19/17/14/12

**Technical Data**

Working Pressure, Max.	6.3 bar
Air consumption per rivets	1.1 l
Recommended Hose-Ø	8 mm
Air inlet	1/4" IG Internal thread
Working Stroke	16 mm
Traction Force	15000 N
Weight	1.8 kg
Length total (mm)	307 mm



Riveting tools

Title	PU Piece	Article No.
Blind Riveting Device BPT-BR-4-64	1	010493
AGR: 03.965		
Necessary Accessories	PU Amount	Article No.
CA 5121 Plug-In Nipple with External Thread 1/4	1	119377
Accessories Available	PU Amount	Article No.
Oil for pneumatic tools 1L	1	128863

Hand Rivet Pliers Premium

- Robust design with shock absorption and soft handles
- With opening spring for an unaided ejection od the mandrel
- For pop rivets out of aluminium, steel and stainless steel form Ø 2.4 to Ø 4.8 mm

Scope Of Delivery

- Mouthpiece 2.4 mmfor aluminium, steel and stainless steel
- Mouthpiece 3.2 mm for aluminium, steel and stainless steel
- Mouthpiece 4 mm for aluminium, steel and stainless steel
- Mouthpiece 4.8 mm for aluminium, steel and stainless steel
- 1 mounting key

Title	PU Piece	Article No.
HAND RIVET PREMIUM	1	243488
AGR: 03.960		
Spare Parts	PU Amount	Article No.
JAW SET HANDRIVET TOOL PREMIUM	1	243483
NOSE PICE Ø 2,4	1	243486
NOSE PICE Ø 3,0 / 3	1	243487
NOSE PICE Ø 4,0	1	243485
NOSE PICE Ø 4,8/5	1	243484

Hand Riveting Pliers

Technical Data

Weight	352 g
--------	-------

Title	Length total (mm)	Rivet-Ø, From	Rivet-Ø, To	PU Piece	Article No.
HAND RIVETING TONGS BNZ 55	229 mm	2.4 mm	4 mm	1	175708

AGR: 03.960



Riveting Pliers for Plastic Rivets

- Sleek lines and angled head allow you to set rivets in tight spaces and hard to reach places
- All rivets Ø can be processed with a mouthpiece - no mouthpiece change is necessary

Application Area

- Processing of plastic rivets Ø 5.0 mm to Ø 6.6 mm

Characteristics

- For blind rivets:  
Ø 5.0 mm to Ø 6.6 mm: made of plastic

Processing Information

- Blind rivets can not be processed from other materials

Hints

- The permanently mounted mouthpiece can not be changed

Scope Of Delivery

- Hand tool for plastic rivets  
1 permanently mounted 5.0 to 6.6 mm Ø mouthpiece

Technical Data

Working Stroke	16 mm
----------------	-------

Weight	427 g
--------	-------

Title	Length total (mm)	Rivet-Ø, From	Rivet-Ø, To	PU Piece	Article No.
Riveting Pliers for Plastic Rivets	220 mm	5 mm	6.6 mm	1	143307

AGR: 03.960



Hand Rivet Pliers

Characteristics

- For aluminium-, steel, stainless seel-A2- and brass-blind rivet nut until thread M 5
- For aluminium blind rivet nut until thread M 6

Hints

- Please order available accessory seperately, because it's not included in the delivery

Scope Of Delivery

- Mandrel GBM 10/6 with mouthpiece M 6

Title	PU Piece	Article No.
Hand Rivet Pliers	1	114049
AGR: 03.962		
Spare Parts	PU Piece	Article No.
THR.MANDREL M 4 F.GBM 10	1	881133
THR.MANDREL M 5 F.GBM 10	1	881140
MOUTHPIECE M 4 F.GBM 10	1	881164
MOUTHPIECE M 5 F.GBM 10	1	881171



Hand Riveter Pliers for Riveting Nuts

- Professional and robust hand rivet nut pliers
- Ideal for light assembly or repair work
- The lever prosecuted in combination with the lifting adjustment make sure that each blind rivet nut can be mounted with the same power

Application Area

- Used for processing of blind rivets from M 3 to M 6

Characteristics

- For blind rivet nuts:  
M 3 to M 5: aluminum, steel and stainless steel  
M 6: aluminum and steel

Processing Information

- Stainless Steel rivet nuts M 6 cannot be processed

Scope Of Delivery

- Hand rivet nut pliers B306  
Per 1 Mandrel and mouthpiece M 3, M 4, M 5, M 6

Technical Data

Weight	500 g
--------	-------

Title	Length total (mm)	PU Piece	Article No.
Hand Riveting Pliers B 306 for Rivet Nuts	190 mm	1	124609

AGR: 03.962

Spare Parts	PU Piece	Article No.
MANDREL M3 B 306	1	014121
Mandrel M5 for B306	1	014123

Hand Riveting Pliers with Swivel Head for Rivet Nuts and Screws

- Professional hand tool with 360 ° swivel head
- Ideal for processing of blind rivet nuts and bolts in hard to reach areas



Riveting tools

Application Area

- For processing of blind rivet and rivet nuts M4 to M6

Characteristics

- For blind rivet nuts:
- M 4 to M 5 aluminum, steel, stainless steel
- For blind rivet bolts:
- For M-6 aluminum
- For M 4 to M-6 aluminum and steel

Processing Information

- Steel and stainless steel threaded inserts can not be processed M 6  
For processing of blind rivet ,the conversion kit Part No. 164942 is needed

Scope Of Delivery

- Hand riveter with swivel head  
Depending 1 threaded mandrel and nosepiece M 4, M 5, M 6  
2 Mounting wrench

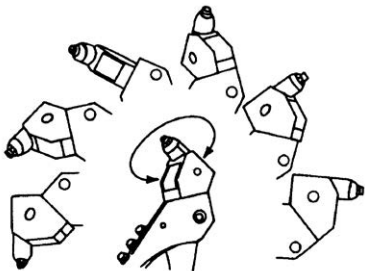
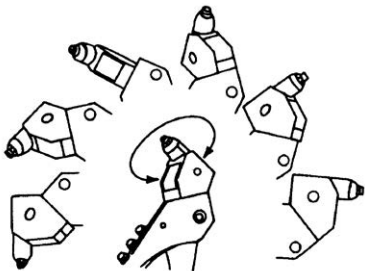
Technical Data

Weight	835 g
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Title	Length total (mm)	PU Piece	Article No.
Hand Rivet Nuts Plier with rotatable head	285 mm	1	160668

AGR: 03.962

Spare Parts	PU Piece	Article No.
Mandrel with nose piece M4	1	161338
Mandrel with nose piece M6	1	161339



Riveting Nut Set

Characteristics

- For VVG-blind rivet nut M 4, M 5, M 6
- and RIFBOLT-rivet screw M 4 and M 5

Scope Of Delivery

- Hand riveter VNG 225
- one conversion kit M4, M 5, M6
- one threaded sleve for RIFBOLT-blind rivet nut M 4 and M 5
- 25 pieces blind rivet nuts M 4, M 5, M 6
- 25 pieces RIFBOLT-rivet screws M \$ x 20110 and M 5 x 2010
- 1 spanner SW 22, SW 24
- allen key SW 6

Title	PU Piece	Article No.
RIVET NUT SET COMP. VNG255	1	870236
AGR: 03.962		
Spare Parts	PU Piece	Article No.
THR.MANDREL M 5 F.VNG255-361	1	787248
THR.MANDREL M 6 F.VNG255-361	1	787256

Lever Rivets Nut Pliers B 510-1 QI

- Lever mechanism for effortless operation
- Hebelnietzange with tool-less quick-change system
- Easy stroke adjustment with a precise indication



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Riveting tools

- The lever prosecuted in combination with the lifting adjustment make sure that each blind rivet nut can be mounted with the same power

**Application Area**

- Processing of blind riveting nuts from M 4 to M 10 and blind riveting screws M 5 to M 8

**Characteristics**

- For blind rivet nuts:  
M 4 to M 8: aluminum, steel and stainless steel  
M 10: aluminum and steel
- For blind rivet:  
M 5 to M 8: aluminum, steel and stainless steel

**Processing Information**

- Stainless steel threaded inserts M 10 can not be processed  
Mandrel M 4 available as optional extra

**Hints**

- Spare parts can also be used in the predecessor model B 510 QI

**Scope Of Delivery**

- Lever rivet nut pliers B510-1 QI,  
Per 1 mandrel & nosepiece M 5, M 6, M 8, M 10  
Per 1 threaded sleeve M 5, M 6, M 8  
Wodden carrying case

**Technical Data**

Weight	2200 g
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Title	Length total (mm)	PU Piece	Article No.
Lever Rivets Nut Pliers B 510-1 QI	555 mm	1	048619

AGR: 03.962



Spare Parts	PU Piece	Article No.
Mandrel M5 for B 510 QI	1	014164
Mandrel M6 for B 510 QI	1	014165
Mandrel M8 for B 510 QI	1	014166
Mandrel M10 for B 510 QI	1	014167
Rivbolt puller M8 for B 510 QI	1	014171
Mouthpiece M5 for B 510 QI	1	014172
Mouthpiece M8 for B 510 QI	1	014174

Ratchet Rivet Nuts Pliers B 612 S

- Low effort for the processing due to the built-in ratchet function
- Optimally suitable to process fast and cleanly around large blind rivet nuts in heavily accessible places
- Time-saver when changing threaded mandrel and threaded sleeve by a special fast change system

Application Area

- For processing of blind rivet nuts M5 to M12 and M blind rivet bolts M5 to M8

Characteristics

- For blind rivet nuts
- M5 to M12: made from Aluminum, Steel, Stainless Steel
- For blind rivet bolts
- M5 to M8: made from Aluminum, Steel, Stainless Steel

Processing Information

- Mandrel M5 is available as optional accessory

Scope Of Delivery

- Ratchet rivet pliers B612S
  - Depending 1 threaded mandrel and nosepiece M 6, M 8, M 10, M 12
  - Depending 1 threaded sleeve M 5, M 6, M 8
  - Aluminum carrying case

Technical Data

Weight	1100 g
--------	--------



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# Riveting tools

Title	Length total (mm)	PU Piece	Article No.
Ratchet Rivet Nut Pliers B 612 S	210 mm	1	024813
AGR: 03.962			
Accessories Available		PU Piece	Article No.
Mouthpiece M5 for B 510 QI		1	014172
Spare Parts		PU Piece	Article No.
Mandrel M6 for B 612 S		1	041957
Mouthpiece M8 for B 510 QI		1	014174

Nose pieces for blind rivet pliers and tools



Title	Application For Device	Rivet-Ø, From	Rivet-Ø, To	PU Piece	Article No.
Nose piece	NTS, NTX, NTX-F	2.4 mm	3.2 mm	1	806167
Nose piece	NTS, NTX, NTX-F	2.4 mm	3.2 mm	1	122692
Nose piece	Hand rivet tool Premium	2.4 mm	-	1	243486
Nose piece	Cordless riveter	2.4 mm	-	1	186663
Nose piece	NTS, NTX, NTX-F	3 mm	4 mm	1	806174
Nose piece	BZ 48	3 mm	3.2 mm	1	787183
Nose piece	NTS, NTX, NTX-F	3 mm	4 mm	1	122693
Nose piece	Hand rivet tool Premium	3 mm	3.2 mm	1	243487
Nose piece	B 150 A	3 mm	3.2 mm	1	014092
Nose piece	B80, B260-1	3 mm	3.2 mm	1	014100
Nose piece	Cordless riveter	3 mm	3.2 mm	1	186664
Nose piece	NTS, NTX, NTX-F	3.2 mm	-	1	122694
Nose piece	NTS, NTX, NTX-F	4 mm	-	1	806150
Nose piece	NTS, NTX, NTX-F	4 mm	4.8 mm	1	009466
Nose piece	BZ 48	4 mm	-	1	787191
Nose piece	Hand rivet tool Premium	4 mm	-	1	243485
Nose piece	B 150 A	4 mm	-	1	014094
Nose piece	B80, B260-1, B280-1SM	4 mm	-	1	014104
Nose piece	Cordless riveter	4 mm	-	1	186665
Nose piece	BZ 48	4.8 mm	5 mm	1	787205
Nose piece	HN1, HN2, SN2	4.8 mm	5 mm	1	010421
Nose piece	HN1, HN2, SN2	4.8 mm	6 mm	1	010456
Nose piece	B80, B260-1, B280-1SM	4.8 mm	5 mm	1	014105
Nose piece	Hand rivet tool Premium	4.8 mm	5 mm	1	243484
Nose piece	B 150 A	4.8 mm	5 mm	1	014098
Nose piece	Cordless riveter	4.8 mm	5 mm	1	186666
Nose piece	B80, B260-1, B280-1SM	6 mm	-	1	014106

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Riveting tools

Title	Application For Device	Rivet-Ø, From	Rivet-Ø, To	PU Piece	Article No.
Nose piece	B80, B260-1, B280-1SM	6.4 mm	-	1	014107

AGR: 02.290 / 03.961 / 03.964

Spare parts for blind rivet nut/screw pliers (nose pieces, mandrels and blind rivet screw puller)



Mandrel (picture can deviate)



Blind rivet screw puller (picture can deviate)



Nose piece (picture can deviate)

Title	Application For Device	Thread	PU Piece	Article No.
Mandrel	B306	M 3	1	014121
Mandrel with nose piece	Hand rivet pliers w. swivel head	M 4	1	161338
Nose piece	GBM 10	M 4	1	881164
Mandrel	GBM 10	M 4	1	881133
Nose piece	-	M 5	1	014172
Mandrel	B306	M 5	1	014123
Mandrel	B510-1QI	M 5	1	014164
Nose piece	GBM 10	M 5	1	881171
Mandrel	GBM 10	M 5	1	881140
Mandrel	VNG 255/351/361	M 5	1	787248
Mandrel	B510-1QI	M 6	1	014165
Mandrel	B612S	M 6	1	041957
Mandrel with nose piece	Hand rivet pliers w. swivel head	M 6	1	161339
Mandrel	VNG 255/351/361	M 6	1	787256
Nose piece	-	M 8	1	014174
Mandrel	B510-1QI	M 8	1	014166
Blind rivet screw puller	B510-1QI	M 8	1	014171
Mandrel	VNG 351/361	M 8	1	787264
Mandrel	B510-1QI	M 10	1	014167

AGR: 03.963

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Clamping Jaws

Application Area

- for BZ 48



Title	Application For Device	PU Amount	Article No.
Clamping jaws (3-part)	HN1, HN2, SN2, PH2	1	513059
Clamping jaws (pair)	NTS, NTX, NTX-F	1	009474
Clamping jaws (pair)	BZ 48	1	827063
Clamping jaws (3-part)	B80, B260-1	1	049466
Clamping jaws (pair)	B 150 A	1	014099
Clamping jaws (pair)	B280-1SM	1	049467
Clamping jaws (3-part)	Cordless riveter	1	186661
Clamping jaws (pair)	Hand rivet tool Premium	1	243483
Clamping jaws (pair)	Hand rivet pliers w. swivel head	1	122695

AGR: 02.290 / 03.961 / 03.964

Repair Brush

Application Area

- For precise repairs on small areas of damage to paintwork

Characteristics

- Lacquered wooden handle, nickel plate clamp, molded

Hints

- The oval-tipped bristle shape ensures work with the highest precision



Title	Width	PU Piece	Article No.
Repair Brush	8 mm	1	170844

AGR: 03.991

Liquid Flux Brush

Application Area

- For applying liquid flux during tinning work

Characteristics

- With a metal sleeve

Hints

- Ideal for painting of soldering fluid, acids and oils



Title	Width	PU Piece	Article No.
Liquid Flux Brush	10 mm	1	245356
SOLDERING BRUSH 10MM 50PCS	10 mm	1	044537

AGR: 03.991

Ring brush



Application Area

- Painting applications on small or curved surfaces e.g: Pipes, windows ...

Characteristics

- Wooden handle, plastic holder, bright China bristle

Processing Information

- Suitable for solvent-based paints and varnishes

Hints

- A clean solid color is achieved by slightly rotating the brush style during paint application

Title	Diameter	Length	PU Piece	Article No.
Multi-Purpose Round Brush, Size 2	20 mm	240 mm	1	170577
Multi-Purpose Round Brush, Size 6	30 mm	-	1	170780
Multi-Purpose Round Brush, Size 1	40 mm	-	1	170810

AGR: 03.991

Further Handtools

Brush Flat inch

Application Area

- Suitable for painting large areas

Characteristics

- X.-6. Thickness
- Light China bristle
- Plastic handle with a hanging hole

Processing Information

- Suitable for solvent-containing lacquers, glazes, dispersion paint, distemper and emulsion paint

Hints

- Straight crafted bristles for an easy application

Title	Width	PU Piece	Article No.
FLAT BRUSH 1"	20 mm	1/12	057379
FLAT BRUSH 1,5"	30 mm	1/12	057380
FLAT BRUSH 2"	50 mm	1/12	057381
FLAT BRUSH 2,5"	60 mm	1/12	057382
FLAT BRUSH 3"	70 mm	1/12	057383

AGR: 03.991



Brush flat Acryl

- Acryl brush with pointed tips
- Developed with Paint Company
- Brass-plated ferrule

Application Area

- Suitable for painting of small and large areas

Characteristics

- X--6. Thickness
- Bright bristles
- Blue lacquered polyester handle with hanging hole

Processing Information

- Ensures for an optimal result in water-based paints

Hints

- Quality crafted bristles give a high-quality image surface



3

Title	Width	PU Piece	Article No.
Brush Acryl	20 mm	1/12	244213
Brush Acryl	30 mm	1	244214
Brush Acryl	40 mm	1/12	244215
Brush Acryl	50 mm	1/12	244216
Brush Acryl	60 mm	1/12	244217
Brush Acryl	70 mm	1/12	244218
Brush Acryl	100 mm	1/6	244219

AGR: 03.991

INTERNAL/Approved (2019-03-22 18:10:08)

Further Handtools

Flat Brush Industry

- The bristles are equipped with a conical pointed shaft with a spliced end into two to four tips, which guarantee an optimal paint absorbtion and a rich color gradient

Application Area

- Suitable for painting large areas

Characteristics

- XV.-9. Thickness
- Light China bristle
- Unpainted wooden handle with a hanging hole

Processing Information

- Suitable for solvent-containing lacquers, glazes, dispersion paint, distemper and emulsion paint

Hints

- High-quality, chisel-shaped bristles ensure an excellent coating result at corner and in fringe areas



Title	Width	PU Piece	Article No.
FLAT BRUSH INDUSTRY 30 MM	30 mm	1/12	057372
FLAT BRUSH INDUSTRY 40 MM	40 mm	1/12	057373
FLAT BRUSH INDUSTRY 50 MM	50 mm	1/12	057376
FLAT BRUSH INDUSTRY 60 MM	60 mm	1/12	057377
FLAT BRUSH INDUSTRY 70 MM	70 mm	1/12	057378

AGR: 03.991

Staining Brush

- Staining containing salmiac must not come in contact with metals, therefore the bristles are processed in a strong plastic frame

Application Area

- Suitable for painting large areas

Characteristics

- Grey China bristle
- Metal-free clamp

Processing Information

- Suitable for stainings, waxes and acrylic paints

Hints

- Chisel-shaped bristles ensure precise working at the edges and corners



Title	Width	PU Piece	Article No.
STAINING BRUSH 30 MM	30 mm	1/12	057367
STAINING BRUSH 50 MM	50 mm	1/12	057368
STAINING BRUSH 75 MM	75 mm	1/12	057369

AGR: 03.991

Further Handtools

Radiator Brush

- Long, angled stick with a strengthened metal clamp

Application Area

- Well suited for the pre-painting of edges and corners, as well as the painting of hard to reach areas

Characteristics

- Cooked bright China bristle
- Unpainted wooden handle 350 mm with a hanging up hole



Processing Information

- Suitable for solvent-containing lacquers, glazes, dispersion paint, distemper and emulsion paint

Hints

- Chisel-shaped bristles and an angled bristle head ensure precise working at edges and in corners

Title	Width	PU Piece	Article No.
RADIATOR BRUSH 35 MM	35 mm	1/12	057386
RADIATOR BRUSH 50 MM	50 mm	1/12	057387
RADIATOR BRUSH 60 MM	60 mm	1/12	057388
RADIATOR BRUSH 70 MM	70 mm	1/12	057389

AGR: 03.991

Block Brush

- High bristle density and configuration result in a good paint absorbtion
- Cooked bristles will not get uneven and result in a clean edge

Application Area

- Especially suitable for painting large areas like for example wooden facades, floors or walls

Characteristics

- Light, long China bristles

Processing Information

- Suitable for solvent-containing lacquers, glazes, dispersion paint, distemper and emulsion paint

Hints

- Straight crafted bristles for an easy application

Title	Length	Width	PU Piece	Article No.
BLOCK BRUSH 3X10 CM	30 mm	100 mm	1/12	057384

AGR: 03.991

Radiator Brush

- Bristles are densely put in a row

Application Area

- For dusting after grinding works

Characteristics

- Light bristles

Hints

- Tight bristles ensure an optimal cleaning of the surface

Title	Length	Width	PU Piece	Article No.
DUST BRUSH 170X20 MM	20 mm	170 mm	1	057385

AGR: 03.991



Further Handtools

Ceiling Brush

- Ideally suited for deep groundwater and related products

Application Area

- To moisten for plastering
- For surface application

Characteristics

- Sisal bristles (synthetic bristles), brush wooden body with plastic handle

Hints

- Guaranteed better penetration of the color of a job with a role

Title	Length	Width	PU Piece	Article No.
CEILING BRUSH 180X80 MM	180 mm	80 mm	1/6	057354

AGR: 03.991



Tar Brush

- Acid- and heat-resistant

Application Area

- For the application of bitumen products

Characteristics

- Plastic handle with a mount
- Bundled fibre bristles
- Robust wooden body

Processing Information

- Ideal for the processing of hot bitumen products

Hints

- Natural fibre bristles are especially robust and heat-resistant

Title	Length	Width	PU Piece	Article No.
TAR BRUSH 170X70 MM	170 mm	70 mm	1/6	057355

AGR: 03.991



Foam Roller and Roller Holder

- Pores super fine: volume weight 60Kg / m³

Application Area

- For painting and painting of small areas

Characteristics

- Polyester foam

Processing Information

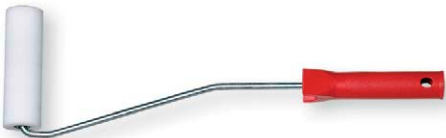
- Coatings and sealers with solvent-based paints, synthetic enamel and acrylic paints

Hints

- Figure 1: extra fine structure
- Figure 2: flocked, both sides rounded



3



Title	Length	Diameter	PU Piece	Article No.
Foam Roller and Roller Holder	50 mm	35 mm	1/20	057357
Foam Roller and Roller Holder	110 mm	35 mm	1/10	057358

AGR: 03.991

INTERNAL/Approved (2019-03-22 18:10:43)

Further Handtools

Heater Roller

- High-quality, twined cover out of 100 % poliamide
- Thermofixed
- Roughened tips
- Pile height 12 mm

Application Area

- For smooth surfaces

Characteristics

- Excellent color absorption and color coverage
- Very high stability
- Solver-resistant

Processing Information

- All emulsion paints, dispersion paints, latex paints, wall paints and ceiling paints

Hints

- Especially suitable for highly covering paints, fixed colors and creme colors



Title	Length	Pile	Diameter	PU Piece	Article No.
MINI ROLLER 100 MM	100 mm	12 mm	40 mm	1/10	057356

AGR: 03.991

Paint Tray blue

- Slanted rolling surface

Application Area

- For stripping of the paint roller and for dosing the paint

Characteristics

- Solvant-resistant, break-proof, stackable



Title	Length	Width	PU Piece	Article No.
PAINT TRAY BLUE	270 mm	150 mm	1/20	057365

AGR: 03.991

INTERNAL/Approved (2019-03-22 18:10:49)

Further Handtools

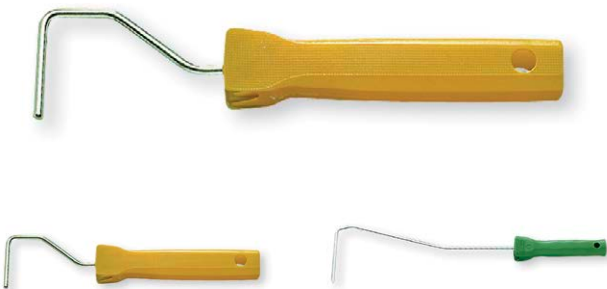
Mini Handle

Application Area

- 6 mm system

Characteristics

- Total length: 20 cm



Title	Length	PU Piece	Article No.
MINI-HANDLE 6 MM	50 mm	1/20	057360

AGR: 03.991

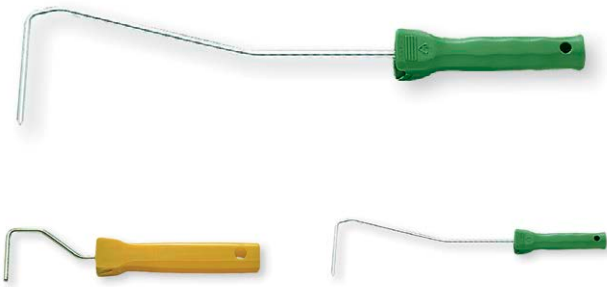
Mini Handle

Application Area

- 6 mm system

Characteristics

- Total length: 42 mm



Title	Length	PU Piece	Article No.
HANDLE 6 MM	110 mm	1/10	057361

AGR: 03.991

INTERNAL/Approved (2019-03-22 18:11:01)

Paint Roller Handle

Application Area

- 8 mm system

Characteristics

- Total length: 30 cm



Title	shaft Ø	Length	PU Piece	Article No.
HANDLE 8 MM	8 mm	250 mm	1/20	057362

AGR: 03.991

Further Handtools

Paint Roller

- Polyester cover, oparated
- Pile height 18 mm

Application Area

- Paint roller for coarse work

Characteristics

- Faux fur out of a heavy polyester quality with a high absorbency

Processing Information

- Emulsion paints, dispersion paints, latex paints, wall paints and ceiling paints

Hints

- Ideal for even and uneven surfaces (exterior and interior painting)



3

Title	Length	Diameter	PU Piece	Article No.
PAINT ROLLERS 25 CM	250 mm	48 mm	1/10	057363
AGR: 03.991				

Further Handtools

Paint Roller

- 100 % thermofixed polyamide
- Specially refined, twined
- Roughened pile
- Pile height: 21 mm

Application Area

- All wall paints, ceiling paints and facade colors

Characteristics

- Excellent color absorption and color coverage
- Very high stability
- Solver-resistant

Processing Information

- Coatings, sealants, primers, polyester-, GFK-, epoxy-materials and fluid plastic

Hints

- Ideal for especially rough facades



Title	Length	Diameter	PU Piece	Article No.
PAINT ROLLERS POLYAMID 27CM	270 mm	55 mm	1/10	057364

AGR: 03.991

**Grid Metal zinced**

- With hook and handle
- Suitable for all roller widths

**Application Area**

- Grid, can be hung into the paint bucket

**Characteristics**

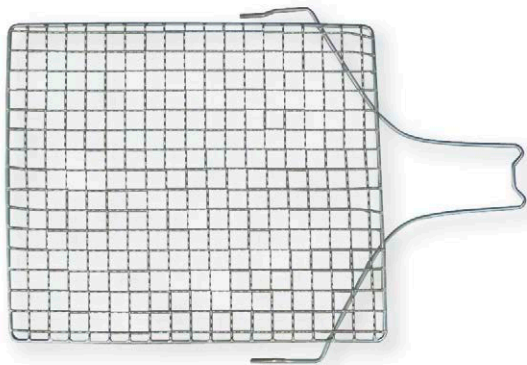
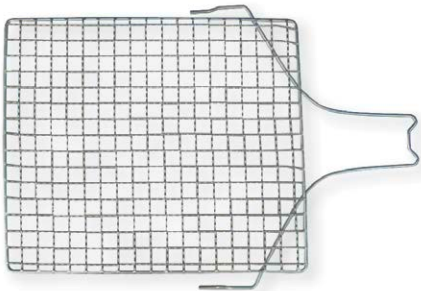
- Metal galvanized

**Processing Information**

- Suitable for all paints

**Hints**

- Paint grid for a better dosage of the paint



3

Title	Length	Width	PU Piece	Article No.
GRID METALL ZINCED	300 mm	260 mm	1/10	057366

AGR: 03.991

Further Handtools

Telescopic Extension

- With a union nut for fast and safe locking mechanism
- Total length: 1.2 - 2.0 m

Application Area

- Extension for the use with paint rollers

Characteristics

- Out of steel and plastic-coated

Processing Information

- Suitable for all web U-bolts

Hints

- Universal cone for a safe connection with the paint roller bracket

Technical Data

Type of fitting to nail



Title	Length	PU Piece	Article No.
TELESCOPIC POLE	1200 - 2000 mm	1	057359

AGR: 03.991

Steel Spatula

- Corrosion protection
- Flexible blade
- Conical polished
- Stainless
- Flat oval wooden handle



Technical Data

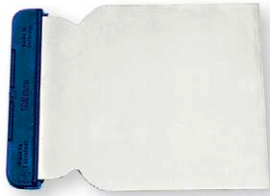
Trowel Type	Mason's trowel
Material	Steel
Shape Of Trowel Collar	Straight

Title	Width	PU Piece	Article No.
Spatula	25 mm	1	100791
Spatula	50 mm	1/12	170909
Spatula	80 mm	1/12	170925

AGR: 08.641

Japanese Scraper

- Specifically flexible blade out of a spring steel strip
- Solvent-resistant plastic back



Technical Data

Material	Spring steel
Shape Of Trowel Collar	Straight

Title	Width	PU Piece	Article No.
Japanese Scraper	50 mm	1	170933
Japanese Scraper	80 mm	1	170950
Japanese Scraper	100 mm	1	171190
Japanese Scraper	120 mm	1	171204

AGR: 08.641

INTERNAL/Approved (2019-03-22 18:11:29)

Shovel poined, forged

Characteristics

- With handle

Technical Data

Blade	290 x 280 mm
Handle Length	1300 mm
Weight	1300 g



Title	PU Piece	Article No.
Shovel poined, forged	1	242866

AGR: 08.630

Further Handtools

Barrel shovel

Technical Data

Shovel Type	Barrel shovel
Blade	290 x 280 mm
Handle Length	1300 mm
Weight	1300 g

Title	PU Piece	Article No.
Barrel shovel	1	146767

AGR: 08.630



Further Handtools

**Drum Shovel Pointed, forged, GFH**

- The high-quality glass fiber handle is extremely unbreakable
- Non-slip handle for safe work
- Fiberglass internally and therefore not possible splitting
- Robust plastic protective jacket
- Positive and “steady” connection of scoop and stalk
- Virtually indestructible and distortion-free glass fiber handle with vibration damping effect
- Extremely long life
- Blade made of best quality steel, forged and completely hardened
- Blade with spring

**Application Area**

- For heavy applications, such as gravel, gravel, earth works

**Technical Data**

Shovel Type	Barrel shovel
Handle Length	1400 mm
Weight	1300 g

Title	PU Piece	Article No.
Drum Shovel Pointed	1	335296

AGR: 08.630



Sand Shovel Hardened

Characteristics

- Blue colored shovel with handle

Technical Data

Shovel Type	Sand shovel
Blade	270 x 300 mm
Handle Length	1300 mm
Weight	900 g

Title	PU Piece	Article No.
Sand Shovel Hardened	1	146772

AGR: 08.630



Edge Blade Shovel

Characteristics

- With handle

Technical Data

Width	250 mm
Handle Length	1300 mm
Weight	2000 g

Title	PU Piece	Article No.
Edge Blade Shovel	1	148478

AGR: 08.630



# Holstein Sand Shovel

## Characteristics

- Hardened steel, red powder-coated

## Hints

- Blade is supplied without handle

## Technical Data

Shovel Type	Hohlstein sand shovel
Blade	250 x 270 mm

Title	PU Piece	Article No.
Holstein Sand Shovel	1	104050

AGR: 08.630

### Accessories Available

	PU Piece	Article No.
EDGE BLADE W.HANDLE 300X250	1	146771



Further Handtools

Universal Shovel

- Universal blade hardened, with curved wooden handle from best Beech
- High edge
- Very stable

Technical Data

Blade	240 x 300 mm
Handle Length	1300 mm

Title	PU Piece	Article No.
Universal Shovel	1	333740

AGR: 08.630



Shovel Handle Curved in Beech



Title	Ø	Length	PU Piece	Article No.
EDGE BLADE W.HANDLE 300X250	38 mm	1300 mm	1	146771

AGR: 08.639

INTERNAL/Approved (2019-03-22 18:12:08)

# Aluminium Shovel Fix & Clever

## Application Area

- For the absorbtion of large volume, light materials like sawdust, oil binding agents, grit, and so on

## Characteristics

- With handle

## Technical Data

Blade	330 x 400 mm
Material	Aluminium
Handle Length	1300 mm
Weight	1500 g

Title	PU Piece	Article No.
Aluminium Shovel Fix & Clever	1	039606

AGR: 08.630



Aluminium Shovel "Six-Pack" GFS

- The quality fiberglass handle is extremely unbreakable
- Non-slip handle for safe work
- Fiberglass internally and therefore not possible split
- Robust plastic protective jacket
- Positive and "steady" connection of scoop and stalk
- Virtually indestructible and distortion-free glass fiber handle with vibration damping effect
- Extremely long life
- Blade made of hard aluminum
- Receives through the molded "six-pack" more stability
- Particularly robust by Steel connector for secure connection
- Large volume capacity
- For summer and winter use

Application Area

- Particularly suitable for loose bulk

Technical Data

Material	Aluminium
Handle Length	1400 mm

Title	PU Piece	Article No.
Aluminium Shovel "Six-Pack" GFS	1	335295

AGR: 08.630



Snow Shovel Snowmaster "Special"

- Whisper edge: This means less noise and a significantly longer service life than other edges.
- No corrosion of the edge

Characteristics

- Ergonomically curved handle
- High quality plastic shell
- pleasant Clearing width
- back-friendly

Technical Data

Blade	550 x 370 mm
Handle Length	1300 mm
Weight	1500 g

Title	PU Piece	Article No.
Snow Shovel Snowmaster "Special"	1	039568

AGR: 08.630



3

Snow shovel

- 5-times laminated plywood with a steel edge
- Easy and reliable connection between handle and blade through patented-clamp fastening
- With a handle

Technical Data

Blade	500 x 350 mm
Material	Wood
Handle Length	1400 mm

Title	PU Piece	Article No.
Snow shovel	1	242870

AGR: 08.630



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Further Handtools

Snow shovel

- Stable aluminium blade
- Stabil outer edge
- With a handle

Technical Data

Blade	465 x 340 mm
Blade Thickness	1.5 mm
Material	Aluminium
Handle Length	1400 mm



Title	PU Piece	Article No.
Snow shovel ALU	1	242868

AGR: 08.630

## Streetbroom witout Stalk



Title	Width	PU Piece	Article No.
Streetbroom without Stalk	400 mm	1	363091
Streetbroom witout Stalk	600 mm	1	363093

AGR: 08.695

### Accessories Available

	PU Amount	Article No.
Woodstalk with cone	1	363098

## Woodstalk with cone



Title	Width	PU Piece	Article No.
Woodstalk with cone	1600 mm	1	363098

AGR: 08.695

Further Handtools

Road sweeping without stalk



Title	Width	PU Piece	Article No.
Road sweeping without stalk	400 mm	1	363086
AGR: 08.695			
Accessories Available		PU Amount	Article No.
Woodstalk with cone		1	363098

Streetbroom without stalk



Title	Width	PU Piece	Article No.
Streetbroom without stalk	400 mm	1	363092
AGR: 08.695			
Accessories Available		PU Amount	Article No.
Woodstalk with cone		1	363098

INTERNAL/Approved (2019-03-22 18:12:43)

Tar brush

- Does not melt in comparision to plastic
- Very soft
- Very suitable for hot bitumen work in corners, edges and expansion joints
- Keeps characteristics even at high heat

Application Area

- For all kinds of blacktop work

Title	External Width	PU Piece	Article No.
TAR BRUSH 215 MM	215 mm	1	140058
AGR: 08.695			
Spare Parts		PU Piece	Article No.
Wooden Handle for Street Sweeping Brush 400mm		1	020236



Tar brush without stalk

Title	Width	PU Piece	Article No.
Tar brush without stalk	215 mm	1	363094
AGR: 08.695			
Accessories Available		PU Amount	Article No.
Wooden Handle for Street Sweeping Brush 400mm		1	020236

INTERNAL/Approved (2019-03-22 18:12:54)

Further Handtools

Special Broom rough-fine, wood

- Red stocking material for coarse and blue for fine dirt particles
- Special mixture, vibration absorption, high stability produced by the coarse-fine blend a larger and faster
- Cleanliness on the sweeping surface
- Robust base made of wood
- Sturdy wooden handle

Application Area

- Small to medium sized external areas like entrances, Sidewalks, squares, terraces, etc.

Technical Data

Handle type	Wood
Color	Red



Title	Handle Length	Width	PU Piece	Article No.
Special Broom rough-fine	1600 mm	300 mm	1	333741

AGR: 08.695

SpecialSpecial broom without stalk



Title	PU Piece	Article No.
Special broom without stalk	1	363087
AGR: 08.695		
Accessories Available	PU Amount	Article No.
Handle for Broom	1	105103

Rice straw boom 5-seam

- The broom has a better grip and a longer durability because of 5 seams

Application Area

- Traditional high-quality broom for the outdoor-area



Title	External Width	PU Piece	Article No.
RICE STRAW BROOM 5-SEAM	270 mm	1	140066

AGR: 08.695

INTERNAL/Approved (2019-03-22 18:13:10)

Further Handtools

Broom without Stalk



Title	Width	PU Piece	Article No.
Broom without Stalk 600 mm	600 mm	1	363084
Broom without Stalk 1000 mm	1000 mm	1	363082

AGR: 08.695

Accessories Available	PU Amount	Article No.
Wooden Handle for Street Sweeping Brush 400mm	1	020236

Broom without Stalk 28 cm



Title	Width	PU Piece	Article No.
Broom without Stalk 28 cm	280 mm	1	363083

AGR: 08.695

Accessories Available	PU Amount	Article No.
Handle for Broom	1	105103

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Further Handtools

Floor swap without stalk



Title		PU Piece	Article No.
Floor swap without stalk		1	363085
AGR: 08.695			
Accessories Available		PU Amount	Article No.
Woodstalk with cone		1	363098

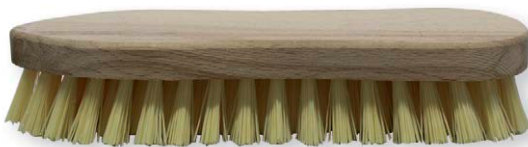
3

Rice root abrasive brush

Application Area

- Cleaning brush for heavy dirt
- Bristles made from synthetic rice root

Title	Length	PU Piece	Article No.
RICE ROOT BRUSH	202 mm	1	140063
AGR: 08.695			



Nailbrush Wood

Title	PU Piece	Article No.
HAND CLEANING BRUSH WOOD	1	052714
AGR: 08.695		



INTERNAL/Approved (2019-03-22 18:13:31)

Further Handtools

Hand Brush "Mixed Hair" broad

Hints

- Soft mixed hair, good sweeping qualities

Title	Length x width	PU Piece	Article No.
HAND BRUSH MIXED HAIR	305 x 42 mm	1	052701

AGR: 08.695



Hand Brush small

Hints

- Stable plastic bristles for persistent dirt

Title	Length x width	PU Piece	Article No.
DUST BRUSH SMALL 310X35	320 x 35 mm	1	174343

AGR: 08.695



Dustpan Metal Sheet

- Can also be used for hot objects

Characteristics

- Galvanised sheet steel
- The dirt holding edge is 200 mm broad

Title	PU Piece	Article No.
DUST PAN METAL	1	052700

AGR: 08.695



## Dust pan plastic, big

- Extra large version of sturdy plastic
- Take Stable rubber lip to liquids on
- Keep deep pools for plenty of storage space and liquids
- Stable high edge
- To strip serrated edge of the broom
- Hanging under control

Title	Width	Handle Length	PU Piece	Article No.
Dust pan plastic, big	280 mm	140 mm	1	333746

AGR: 08.695



3

## Cleaning brushes round

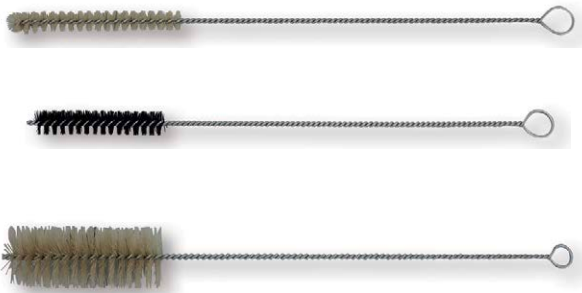
- Elastic wire stem with ring handle
- Very good to use around pipes, holes or round to clean vessels
- The “Eprouvettenbürste” is bent at the top and with Brush equipped to even the bottom of the object to clean

### Technical Data

Shape	Round
-------	-------

Title	Handle Length	Ø	Length	PU Piece	Article No.
Cleaning brush	210 mm	10 mm	90 mm	1	333743
Cleaning brush	250 mm	15 mm	80 mm	1	333744
Cleaning brush	350 mm	50 mm	120 mm	1	333580

AGR: 08.695



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Further Handtools

Cleaning Brush round

Title	Ø	PU Piece	Article No.
CLEANING BRUSH WHITE 78MM	78 mm	1	052715
AGR: 08.695			
Accessories Available		PU Piece	Article No.
HOLDER FOR CLEANING BRUSH		1	059074



Snow brush

- Plastic body
- Slim ergonomic handle
- trim material out of slitted plastic material, blue

Technical Data

Fibre material Plastic



3

Title	Length	PU Piece	Article No.
Special snow brush	500 mm	1	157200

AGR: 08.695

Further Handtools

Special broom on snow and ice chisel

- Long bristles for easy brushing
- Low dead weight
- No sticking together due to the slim, long bristle field and the smooth trim material
- Snow and ice residuals can be crushed and sweped away with the mounted scraper

Application Area

- For a perfect removal of fresh snow from driveways, sidewalks, stairs, forecourts and ...
- Also suitable for the removal of frozen snow and residual ice



Title	Handle Length	Width	PU Piece	Article No.
Special snow broom and scraper	1400 mm	400 mm	1	157210

AGR: 08.695

## Special broom without stalk



Title	Width	PU Piece	Article No.
Special broom without stalk	400 mm	1	363088
AGR: 08.695			
Accessories Available		PU Amount	Article No.
Wooden Handle for Street Sweeping Brush 400mm		1	020236

## Stalk for special snow broom



Title	Width	PU Piece	Article No.
Stalk for special snow broom	400 mm	1	363089
AGR: 08.695			

Further Handtools

Heavy Duty Rubble Rake

- Steel hardened, lacquered

Characteristics

- Without handle

Technical Data

Tooth	14 PC
-------	-------

Title	Width	Weight	PU Piece	Article No.
Rake	360 mm	560 g	1	051729
Rake	470 mm	1100 g	1	146775

AGR: 08.695

Accessories Available	PU Piece	Article No.
Handle for Rubble Rake, Ø 30 mm, 1600 mm Long Handle, Beech Wood	1	146776



Gravel rake handle



Title	Ø	Length	PU Piece	Article No.
530101RAKE HANDLE 1400MM	28 mm	1400 mm	1	051726
BALLAST RAKE HAND. 30X1600 MM	30 mm	1600 mm	1	146776

AGR: 08.695

Pointed Cutting Cramps

- Forged and hardened
- With beechwood handle

Title	Handle Length	Weight	PU Piece	Article No.
Edge Blade	950 mm	1500 g	1	244141
Edge Blade	950 mm	2000 g	1	244140
Edge Blade	950 mm	2500 g	1	146768

AGR: 08.639



3

Kramp Handle Beech

Title	Length	PU Piece	Article No.
HANDLE F. CROSS CHOPS 2,0 KG	950 mm	1	209431
STAPLE ARM BEECH 950 MM	950 mm	1	146769

AGR: 08.630 / 08.639

INTERNAL/Approved (2019-03-22 18:14:28)

Further Handtools

Spade

- Spade made of hardened steel
- Enameled
- T-grip handle made from beech wood

Technical Data

Shovel Type	Spade
Blade	180 x 280 mm
Handle Length	850 mm
Weight	1750 g

Title	PU Piece	Article No.
Spade	1	148476

AGR: 08.630



Impact Scratcher

- With a replaceable spring steel blade

Characteristics

- With handle

Technical Data

Handle Length1300 mm

Title	Width	Thickness	Weight	PU Piece	Article No.
HANDLE FOR MOULDBOARD	-	-	-	1	003667
Impact Scratcher	150 mm	1.2 mm	1700 g	1	039567
Impact Scratcher	300 mm	1.2 mm	1900 g	1	148477
Impact Scratcher	500 mm	1.2 mm	2100 g	1	039566

AGR: 08.630 / 08.695



Further Handtools

Wall Scraper

- With its long and ergonomically shaped handle, facilitates work by an ideal force distribution

Application Area

- The masonry harvester is best suited for cleaning masonry and scraping off smooth surfaces, e.g. formwork cleaning

Scope Of Delivery

- spare steel blade included

Technical Data

Handle Length	1400 mm
---------------	---------

Title	Width	PU Piece	Article No.
Wall Scraper	110 mm	1	333742

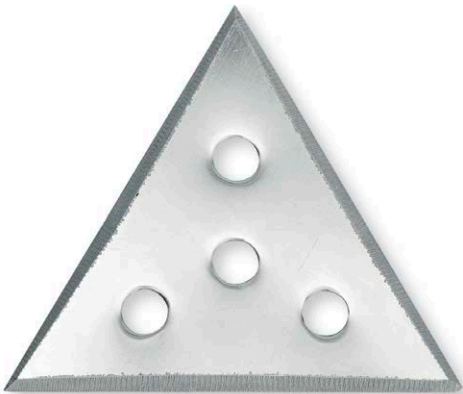
AGR: 08.630



Spare blade for Mason dredge

Title	Width	PU Piece	Article No.
Spare blade for Mason dredge	110 mm	1	363229

AGR: 08.630



Water Pusher

- Through the double lip the water squeegee ensures a clean removal of water
- The rubber squeegee is equipped with a strong and stabil rubber strip

Characteristics

- Galvanized metal uptake with twin foam rubber blade, integrated handle holder Ø 23 mm with mounting hole, reinforced construction

Hints

- The water squeegee is supplied with a wodden handle
- The rubber squeegee is supplied without a handle (suitable for article 20236)

Title	Length	PU Piece	Article No.
Water Pusher	450 mm	1	050044
Water Pusher	600 mm	1	050043
Water Pusher	800 mm	1	050045
Water Pusher	1000 mm	1	333579

AGR: 08.695



Further Handtools

Tar Splitter

- Full aluminium profile
- With struts
- very torsion-resistant and stabil

Application Area

- For distributing tar or asphalt materials

Hints

- Supplied without a handle

Technical Data

Material				Aluminium	
----------	--	--	--	-----------	--

Title	Width	Weight	PU Piece	Article No.
Tar Splitter	600 mm	1200 g	1	245477

AGR: 08.695

Accessories Available	PU Amount	Article No.
Handle for Rubble Rake, Ø 30 mm, 1600 mm Long Handle, Beech Wood	1	146776



Tamper

Application Area

- To tread down asphalt when doing repair work

Characteristics

- Heavy metal plate with rubber damping

Technical Data

Handle Length				110 mm	
---------------	--	--	--	--------	--

Title	PU Piece	Article No.
Tamper for Asphalt	1	210631

AGR: 08.630



Concrete plate lifter

Technical Data

Clamping range	300 - 500 mm
Max load capacity	30 kg

Title	Weight	PU Piece	Article No.
Concrete Distributor without Handle	1100 g	1	341415

AGR: 08.640



Building Buckets

- Recyclable
- With a litre scale

Hints

- 12 l bucket with a smooth base
- 20 l bucket with a crossed bottom (heavy-duty version)



Technical Data

Material	Polyethylene (PE)
----------	-------------------



Title	Capacity	Ø	Height	Ø bracket	PU Piece	Article No.
Building Bucket	12 l	310 mm	235 mm	4.3 mm	1	032725
Building Bucket	20 l	315 mm	265 mm	5 mm	1	032728

AGR: 08.620

Builder's bucket PREMIUM

- Recyclable
- Extremely robust
- With Literskala
- Reinforced floor

Characteristics

- With scale



Title	Capacity	Ø	Height	PU Piece	Article No.
Builder's bucket	12 l	31 cm	25 cm	1	338078
Builder's bucket	20 l	37 cm	27 cm	1	338091

AGR: 08.620

INTERNAL/Approved (2019-03-22 18:15:09)

Mortar Bucket round

- Recyclable
- Made from high-quality polyethylene

Characteristics

- With ergonomically shaped, recessed grips and special edge reinforcement



3

Title	Capacity	Ø	Height	PU Piece	Article No.
Mortar Bucket	65 l	620 mm	350 mm	1	032729
Mortar Bucket	90 l	700 mm	360 mm	1	032730

AGR: 08.621

Further Handtools

Mortar Box rectangular

- Recyclable
- Made from high-quality polyethylene

Characteristics

- With ergonomically shaped, recessed grips and special edge reinforcement



Title	Capacity	Length x width	Height	PU Piece	Article No.
Mortar Box	65 l	410 x 630 mm	310 mm	1	032731
Mortar Box	90 l	485 x 803 mm	303 mm	1	032732

AGR: 08.621

Craneable Mortar Bowl

- Steel frame

Characteristics

- Crane
- TÜV / GS approved
- Break resistant
- High load carrying capacity
- Extremely stable temples

Hints

- Number per pallet: 25 pieces

Technical Data

Max load capacity	600 kg
Weight	17 kg



3

Title	Capacity	Length x width	Height	PU Piece	Article No.
Craneable Mortar Bowl	200 l	665 x 910 mm	490 mm	1	338092

AGR: 08.621

Hand-Held Washing Brush

- Feathered fibers
  - create a very soft, dense surface, to avoid scratches
- High density of fibres
  - long lasting brush
- Polypropylene block
- The brush is suitable up to 55°C

Technical Data

Fibre materialPVC / polyester [1]

Title	Length	Width	PU Piece	Article No.
Hand-Held Washing Brush	240 mm	70 mm	1	011272

AGR: 08.919



Wheel and rim brush

- Brushes with special soft bristles
  - to avoid damage to the paintwork
- Polypropylene block
- The brush is suitable up to 55°C

Technical Data

Fibre materialPVC / polyester [1]

Title	Length	Width	PU Piece	Article No.
Wheel Rim Brush	500 mm	70 mm	1	011274

AGR: 08.919



Wheel and rim brush hard

- Polypropylene fibres
  - higher resistance to chemicals
- Fibres of Ø 35 mm
  - to remove coarse dirt



Application Area

- For dirt and mud removal

Technical Data

Handle type	Plastic
Fibre material	Polypropylene (PP)

Title	Length	Width	Length total (mm)	PU Piece	Article No.
Rim brush hard	120 mm	70 mm	240 mm	1	366758

AGR: 08.919

Wheel and rim brush soft

- Soft fribres of Ø 25 mm
  - to avoid scratching
- Polypropylene fibres
  - higher resistance to chemicals



Application Area

- Cleaning of rims
- can also be used for the cleaning of brake linings

Technical Data

Handle type	Plastic
Fibre material	Polypropylene (PP)

Title	Length	Width	Length total (mm)	PU Piece	Article No.
Rim brush soft	120 mm	70 mm	230 mm	1	366756

AGR: 08.919

INTERNAL/Approved (2019-03-22 18:15:44)

Further Handtools

Rim brush conical

- Conical form
  - all kinds of rim can be easily cleaned
- Soft and flexible hairs
  - this brush is perfect for cleaning spoke rims and rims with a double spoke.
- Rubber tip
  - prevents scratches on the rim
- Ergonomic handle
  - ease of use and long working without any fatigue symptoms of the hand



Application Area

- Cleaning rims of cars, trucks and motorcycles

Technical Data

Fibre material	Polypropylene (PP)
----------------	--------------------

Title	Length	Width	PU Piece	Article No.
Rim brush conical	430 mm	100 mm	1	366759

AGR: 08.919

Special-Purpose Hand-Held Washing Brush

Characteristics

- Integrated water tank, water tank is automatically filled when it is submersed
- detergent is dispensed evenly during the cleaning process. Brush with special soft bristles designed not to damage paintwork. The brush is suitable up to 55°C



Title	Length	Length x width	External Width	PU Piece	Article No.
Special-Purpose Hand-Held Washing Brush	280 mm	280 x 70 mm	70 mm	1	011282

AGR: 08.919

INTERNAL/Approved (2019-03-22 18:15:49)

Mono Level Washing Brush

- Feathered fibers
  - create a very soft, dense surface, to avoid scratches
- High density of fibre
  - long lasting brush
- Polypropylene block
- Soft bumper gasket
  - protects the surface of the car



3

Title	Width	PU Piece	Article No.
Mono Level Washing Brush	250 mm	1	011268

AGR: 08.919

Washing Brush "Duo Level"

Characteristics

- Duo level brush in 30° angle for greater interface, suitable for telescopic handle with and without water flow



Title	Width	PU Piece	Article No.
Washing Brush "Duo Level"	330 mm	1	011275

AGR: 08.919

INTERNAL/Approved (2019-03-22 18:16:02)

Further Handtools

Duo brush

- Feathered fibers
  - create a very soft, dense surface, to avoid scratches
- High density (> 50.000 fibers)
  - long lasting brush
- Bi-level shape
  - assures maximum contact with the surface and gives a better cleaning result
- Polypropylene block



Title	Width	PU Piece	Article No.
Duo brush	250 mm	1	366760
AGR: 08.919			
Necessary Accessories		PU Amount	Article No.
Fibre glass handle 140cm		1	366766

Fibre glass handle

- With threaded metal tip
- Made of fibre glass
  - extremely solid



Technical Data

Handle Length	1.4 m
Material	Fibre-reinforced and reinforced plastics
Type of fitting	to screw

Title	PU Piece	Article No.
Fibre glass handle	1	366766

AGR: 08.919

INTERNAL/Approved (2019-03-22 18:16:09)

Further Handtools

Truck brush

- Feathered fibers
  - protects from scratches
- High density of fibres
  - long lifetime of the brush
- Polypropylene block
- Highly resistant to acids



Title	Width	PU Piece	Article No.
Truck brush	350 mm	1	366761

AGR: 08.919

Necessary Accessories

	PU Amount	Article No.
Telescopic handle 2x150cm	1	366764

Telescopic handle

- With cone end
- Two parts each 1.5 m



Technical Data

Handle Length	3 m
Material	Aluminium

Title	PU Piece	Article No.
Telescopic handle	1	366764

AGR: 08.919

Duo water blade for cleaning + drying

- Double function
  - cleaning and drying with just one tool saves time during the cleaning process
- Microfibre cloth for washing windows before wiping dry with the Silicone Water Blade



Title	Length	PU Piece	Article No.
Duo water blade	285 mm	1	366767

AGR: 08.919

Water Scraper with Handle

Characteristics

- Highly flexible water scraper for wiping away drops of water from glass and paintwork, fits telescopic handles with its threaded joint. The rubber blade fits the contours of the cleaning area. Dries effectively when used with a microfibre cloth

Title	Length	PU Piece	Article No.
Squeegee with Handle	300 mm	1	011261

AGR: 08.695

Accessories Available	PU Amount	Article No.
Telescopic Handle without Water Channel (A1) 2x1,5m	1	011265



3

Telescopic Handle

Characteristics

- Impact-resistant plastic (Figure A) or aluminum, with a standard water connection and handle padding (Figure B)

Technical Data

Handle Length	3000 mm
Type of fitting	to screw



Title	PU Piece	Article No.
Telescopic Handle without Water Channel (A1)	1	011265
Telescopic Handle with Water Channel (B)	1	011266

AGR: 08.919

INTERNAL/Approved (2019-03-22 18:16:28)

Further Handtools

Telescopic handle waterfed

- With threaded tip
- Quick coupling to connect hose
- On/Off switch
- Made of Aluminium
  - Extremely solid
- Consists of 2 parts, each 1.20 m

Technical Data

Handle Length	2.4 m
Material	Aluminium

Title	PU Piece	Article No.
HandlePro Telescopic waterfed	1	366763

AGR: 08.919



Universal Holder

Characteristics

- To hold the telescopic handles and hand-held washing brushes, with 3 clips

Title	External Width	PU Piece	Article No.
Universal Holder	500 mm	1	011264

AGR: 08.695



Windowcleaner with rubber lip and telescopic handle

Title	PU Piece	Article No.
WINDOWCLEANER+PLASTICLIP+STICK	1	003755

AGR: 08.919



INTERNAL/Approved (2019-03-22 18:16:34)

Scaffolding Hoe

Title	Total Weight	Length	PU Piece	Article No.
Scaffolding Hoe	800 g	380 mm	1	146774

AGR: 03.903



Hatchet

Characteristics

- Conforms to DIN 5131, VPA/GS-tested, made in Germany, ground and polished cutting edge, with a blade guard and ashwood hoof-shaped handle, as well as a suspension eye

Title	Total Weight	PU Piece	Article No.
Hatchet 800 g	800 g	1	032525

AGR: 03.903



3

Wooden Axe

Characteristics

- Conforms to DIN 7294, VPE/GS-tested, Made in Germany, ground and polished cutting edge, with a blade guard and ashwood hoof-shaped handle, as well as a suspension eye

Title	Total Weight	PU Piece	Article No.
Wooden Axe 1250 g	1250 g	1	032524

AGR: 03.903



INTERNAL/Approved (2019-03-22 18:16:44)

Further Handtools

Bucket Scoop

Technical Data

Weight 500 g



3

Title	Ø	PU Piece	Article No.
Bucket Scoop	180 mm	1	102169

AGR: 08.621

Plaster scoop

Scope Of Delivery

- Without handle

Technical Data

Weight 800 g



Title	Ø	PU Piece	Article No.
Plaster scoop	230 mm	1	146773

AGR: 08.640

## Mortar Creator Handle



Title	Ø	Weight	Length	PU Piece	Article No.
EDGE BLADE W.HANDLE 300X250	35 mm	800 g	1300 mm	1	146770

AGR: 08.639

## Mortar Bucket without Handle

### Hints

- Suitable handle article number 51726 Ø 28 (on the tip) x 1400 mm

Title	PU Piece	Article No.
139002 MORTAR RAKE WO HANDLE	1	051716

AGR: 08.695



Further Handtools

Plaster Cup

Technical Data

Material PVC / polyester [1]



3

Title	Ø	PU Piece	Article No.
Plaster Cup	125 mm	1	102168

AGR: 08.621

Plastered wall hook 8 mm, steel, hardened



3

Title	Ø	Length x width	Weight	Length	PU Piece	Article No.
PLASTER HOOK 8 MM	8 mm	150 x 8 mm	150 g	150 mm	1	146782

AGR: 08.695

INTERNAL/Approved (2019-03-22 18:17:19)

Further Handtools

Mason’s Trowel

- Trowel blade tempered in oil
- Conic grinding of the blade for high flexibility
- High stability through due to a 3-seam-CNC-welding with a subsequent heat treatment
- Handle out of beech wood
- VPA-GS-certified



Technical Data

Trowel Type	Mason's trowel
Shape Of Trowel Collar	Straight

Title	Length	Width	Material	PU Piece	Article No.
Mason’s Trowel	180 mm	95 mm	Steel hardened	1	148475

AGR: 08.640

Stucco Trowel

- Trowel blade tempered in oil
- Conic grinding of the blade for high flexibility
- High stability through due to a 3-seam-CNC-welding with a subsequent heat treatment
- Handle out of beech wood
- VPA-GS-certified



Title	Length	Width	Material	PU Piece	Article No.
Stucco Trowel	100 mm	50 mm	Steel hardened	1	051723
Stucco Trowel	120 mm	100 mm	Steel hardened	1	051717

AGR: 08.641

INTERNAL/Approved (2019-03-22 18:17:23)

Stucco Trowel

Characteristics

- stainless steel
- Chainring and Angel of stainless steel, polished, high stability due to 3-point welding, book made of beechwood, VPA-GS approved

Technical Data

Trowel Type	Plasterer's spatula
Shape Of Trowel Collar	Swan neck



Title	Length	Width	Material	PU Piece	Article No.
Stucco Trowel	100 mm	80 mm	Stainless Steel	1	103992

AGR: 08.641

Trowel for Plastering

- Trowel blade tempered in oil
- Conic grinding of the blade for high flexibility
- High stability through due to a 3-seam-CNC-welding with a subsequent heat treatment
- Handle out of beech wood
- VPA-GS-certified

Characteristics

- Tempered steel

Technical Data

Trowel Type	Berne plastering trowel
-------------	-------------------------



Title	Length	Width, Front	Width Rear	Material	PU Piece	Article No.
Trowel for Plastering	140 mm	60 mm	85 mm	Steel hardened	1	103996

AGR: 08.640

INTERNAL/Approved (2019-03-22 18:17:33)

Further Handtools

Toothed Trowel

Characteristics

- Blade out of spring hardened high-grade steel, stainless, double-sided serrated
- Long aluminium bar, curved metallic red handle



Technical Data

Shape Of Trowel Collar	Straight
------------------------	----------

Title	Length	Width	Thickness	Material	PU Piece	Article No.
Toothed Trowel	280 mm	130 mm	0.7 mm	Steel	1	039608
Toothed Trowel	280 mm	130 mm	0.8 mm	Steel	1	039607

AGR: 08.640

Smoothing Trowel

- Hand shape handle
- Non-riveted

Characteristics

- stainless steel
- Chainring and Angel of stainless steel, polished, high stability due to 3-point welding, stapling beechwood, VPA-GS approved



Technical Data

Trowel Type	Smoothing trowel
Shape Of Trowel Collar	Straight

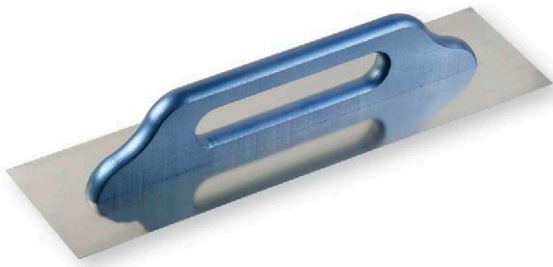


Title	Length	Width	Thickness	Material	PU Piece	Article No.
Smoothing Trowel	280 mm	130 mm	0.7 mm	Stainless Steel	1	103995

AGR: 08.640

INTERNAL/Approved (2019-03-22 18:17:43)

Mortar Plate



Title	Length	Width	Thickness	PU Piece	Article No.
Mortar Plate	480 mm	130 mm	0.7 mm	1	051712

AGR: 08.640

PU-Grinding Board

- Dimensionally stable, abrasion-resistant
- Very light, for all common plastering materials

Characteristics

- Molded in one piece out of PU foam
- water-resistant



Title	Length x width	PU Piece	Article No.
PU-Grinding Board	280 x 140 mm	1	039793
PU-Grinding Board	360 x 200 mm	1	039794
PU-Grinding Board	420 x 220 mm	1	039795

AGR: 08.640

INTERNAL/Approved (2019-03-22 18:17:54)

Further Handtools

Grinding Board

Characteristics

- With a cellular rubber coating



Title	Length x width	PU Piece	Article No.
Grinding Board	280 x 140 mm	1	039798

AGR: 08.640

Grinding Board Rubber

Characteristics

- With a red foam rubber
- Coating fine, 10 mm strong or rather coarse coating



Title	Length x width	Thickness	Color	PU Piece	Article No.
Grinding Board Rubber Fine	280 x 140 mm	20 mm	Red	1	039796
Grinding Board Rubber Rough	280 x 140 mm	20 mm	Red	1	039797

AGR: 08.640

Washing Float

Characteristics

- With a hydro-foam rubber coating



Title	Length x width	Thickness	PU Piece	Article No.
Washing Float	320 x 180 mm	30 mm	1	039788

AGR: 08.640

Floorlayers Trowel

Characteristics

- Blade out of spring hardened, stainless, fine polished steel
- Long aluminium bar, curved metallic red handle

Technical Data

Shape Of Trowel CollarStraight



Title	Length	Width	Thickness	Material	PU Piece	Article No.
Floorlayers Trowel	500 mm	120 mm	1 mm	-	1	057500
Floorlayers Trowel	600 mm	120 mm	1.0 mm	Steel	1	039787

AGR: 08.640

Construction Key with Measuring Scale

- Measuring scale for gauging profile cylinder lengths of 25 to 70 mm
- Square piped key 6, 7, 8 mm for opening and closing switchgear cabinets and doors without handles
- Conical square broach from 7 to 10 mm for actuating the lock nut if there is still no door handle fitted



Application Area

- For opening and closing doors, windows, switchgear cabinets, etc. (multi-purpose tool)

Title	PU Piece	Article No.
Construction Gauge with Measuring Scale	1	006951

AGR: 03.990

# Universal Switchgear Cabinet Wrench

## Application Area

- Suitable for all standard switchgear cabinets

## Characteristics

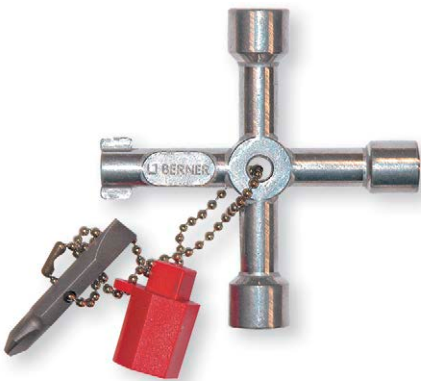
- Material: Die-cast zinc, chromium-plated surface

## Scope Of Delivery

- Includes a 1/4" reversible bit (slotted 1 x 7/Ph II ps PH2)

Title	PU Piece	Article No.
Universal Switchgear Cabinet Wrench	1	018497
UNIVERSAL CABINET KEY SET	1	039066

AGR: 03.990



6 mm



7 – 8 mm



8 mm



3 – 5 mm

Hook Set with magnet 5-pcs.



Title	Length	PU Piece	Article No.
Hook Set with magnet 5-pcs.	160 mm	1	358834

AGR: 03.419

Nozzle Adjuster

- Extendable telescopic bar displays the direction of ray
- Practical form of a ballpoint pen with pocket clip for easy storage
- Removable protection cap against risk of injury

Application Area

- Adjusting injection nozzles

Characteristics

- Chrome-plated design, magnetic head-Ø 6 mm



Title	PU Piece	Article No.
Nozzle Adjuster	1	124576

AGR: 03.981

# Magnetic Tool Holder

- Powerful, with 3 strong magnets (diameter 84 mm) which offers a holding force
- (moving downwards) of a powerful 23 kg to metallic surfaces such as lifting platforms or mobile workshops
- All parts are always handy at working height
- Safe - No more stumbling due to parts lying around
- Practicality - Recess on the impact wrench holder helps to prevent accidental switching of the screwdriver when hanging.

Title	PU Piece	Article No.
Magnetic Tool Holder	1	048575

AGR: 03.981



3



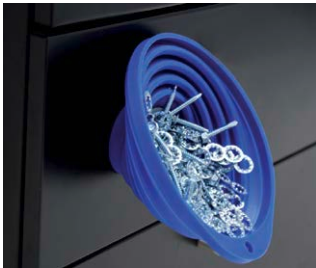
Further Handtools

Fellexible Magnetic Shell

- Flexibly applicable, therefore applicable for various usages
- Usable for straight or slope grounds, also usable for vertical grounds
- The rubber coating potects against damages on the ground
- Easy to store due to small stowage

Title	Ø	PU Piece	Article No.
FLEX MAGNETIC BOWL 135MM SET	45 mm	1	129286

AGR: 03.419



## Magnetic Tray PP 150

- Plastic magnetic bowl with strong magnet
- Secure grip on metallic substrate
- Sicheres Halten von metallischen Kleinteilen in der Schale
- Der Kunststoffummantelte Magnet vermeidet eine Beschädigung der Oberfläche
- Auch senkrecht zu verwenden
- Öl und Fett resistent

### Application Area

- Storage and holding of small parts

### Characteristics

- Material: PP plastic
- Ø outside: 150 mm
- Depth: 30 mm
- height: 40 mm
- Magnetic force: 1000 - 1200 gauss



3

Title	PU Piece	Article No.
Magnetic Tray PP 150	1	370173
AGR: 03.409		

Magnetic Bown PP deep 150

- Robust magnetic bowl made of plastic with strong magnet
- Secure grip on metallic substrate
- Safe holding of metallic small parts in the shell
- The plastic-coated magnet prevents damage to the surface
- Due to the curved shell shape, this magnetic shell can also be used very well vertically. As on lifting platform, tool wall, workshop trolley, switch cabinet, etc.
- Oil and grease resistant
- Suspension eye to attach the magnetic bowl also with a hook, e.g. underneath a vehicle

Application Area

- Storage and holding of small parts

Characteristics

- Material: PP
- Ø outside: 150 mm
- depth: 40 - 110 mm
- height: 50 - 130 mm
- Magnetic force: 1000 - 1200 gauss



Title	PU Piece	Article No.
Magnetic Bown PP deep 150	1	370174

AGR: 03.409

## Magnetic Tray A2 150

- Robust magnetic bowl made of stainless steel with strong magnet
- Secure grip on metallic substrate
- Safe holding of metallic small parts in the shell
- The plastic-coated magnet, prevents damage to the surface
- Easy cleaning of the bowl
- Resistant to oils, lubricants, greases, water, fuel, etc.

### Application Area

- Storage and holding of small parts

### Characteristics

- Material: A2
- Ø outside: 150 mm
- Depth: 25 mm
- height: 40 mm
- Magnetic force: 1000 - 1200 gauss
- Wall thickness: 0.6 mm



3

Title	PU Piece	Article No.
Magnetic Tray A2 150	1	370175
AGR: 03.409		

Magnetic Tray A2 triple 360

- Robust magnetic bowl made of stainless steel with three strong magnets with a lot of space
- Secure grip on metallic substrate
- Safe holding of metallic small parts in the shell
- The plastic-coated magnets prevent damage to the surface
- Easy cleaning of the bowl
- Resistant to oils, lubricants, greases, water, fuel, etc.



Application Area

- Storage and holding of small parts

Characteristics

- Material: A2
- Length outside: 360 mm
- Outside width: 160 mm
- Depth: 30 mm
- height: 40 mm
- Magnetic force: 1000 - 1200 gauss per magnet
- Wall thickness: 0.6 mm

Title	PU Piece	Article No.
Magnetic Tray A2 triple 360	1	370176

AGR: 03.409

## Magnetic Tray rotate 240

- Robust magnetic bowl made of stainless steel with strong magnet in the middle.
- Three non-magnetic storage compartments on the outside
- The magnetic bowl is rotatably mounted so that the right parts can always be reached quickly
- Secure grip on metallic substrate
- Safe holding of metallic small parts in the stainless steel bowl
- The plastic-coated magnet prevents damage to the surface
- Easy cleaning of the bowl
- The stainless steel shell is resistant to oils, lubricants, greases, water, fuel, etc.



3

### Application Area

- Storage and holding of small parts

### Characteristics

- Material: shell in the middle A2
- Material: shell in the on the outside PP plastic
- Ø outside: 250 mm
- Outside width: 160 mm
- Depth: centre 28 mm
- Depth: outside 38 mm
- height: 45 mm
- Magnetic force: 1000 - 1200 gauss
- Wall thickness A2: 0.6 mm on the outside

Title	PU Piece	Article No.
Magnetic Tray rotate 240	1	370177

AGR: 03.409

INTERNAL/Approved (2019-03-22 18:19:22)

Magnetic finger

Processing Information

- Due to magnetic properties, keep this product at least 6 inches from pacemakers, similar devices, magnetic media such as floppy disks, credit cards, magnetic I.D. cards, cassette tapes, video tapes or other such devices. This product may also damage televisions, VCR's, computer monitors and other CRT displays.

3

Title	PU Piece	Article No.
Magnetic finger	1	335443

AGR: 03.981



Further Handtools

**Magnetic Tray Double**

- Resists oils, lubricants, grease, water, fuel, etc.
- It contains two powerful magnets protected by a rubber, which provides a great magnetic power without scratching or deteriorating painted or lacquered sheets

**Application Area**

- Rectangular magnet tray for carrying tools and small metal material

**Characteristics**

- Material: A2  
Length: 240 mm  
Width: 140 mm  
Depth: 30 mm  
Hight: 40 mm  
magnetic power: 1000 - 1200 gauss per magnet  
wall thickness: 0.6 mm

Title	Width	Length	PU Piece	Article No.
Magnetic Tray Double	140 mm	240 mm	1	019620

AGR: 03.409



3



Further Handtools

Magnetic Can Holder 4

- Easy storage of cans on any metallic surface as well as e.g. on the tool wall or the workshop trolley
- Whether paint can, rust remover or brake cleaner, everything always under control quickly
- Four strong magnets hold the can holder securely to the metallic substrate
- Tip: Hang the holder on the radiator and adjust the underbody protection to heat it up.

Application Area

- Storage of cans or similar items

Characteristics

- Material: steel powder coated
- Length: 460 mm
- Outside width: 160 mm
- Depth: 100 mm
- Ø can holder: 75 mm



Title	PU Piece	Article No.
Magnetic Can Holder 4	1	370178
AGR: 03.409		

## Crowbar with a Parting Tool

- Forged and hardened
- Pointed at one end and with a retaining clamp at the other end



Title	Length	Weight	PU Piece	Article No.
Crowbar with a Retaining Clamp	1300 mm	7000 g	1	156969
198005 CROWBAR 1,5M	1500 mm	7800 g	1	051732

AGR: 03.944

## Hemp Rope Roll

### Characteristics

- Role of hemp rope resilient to 200 kg
- Hook and robe protection



Title	Length	Weight	PU Piece	Article No.
HEMP ROPE COIL/SITE ROLL 165MM	165 mm	2400 g	1	156966

AGR: 08.695

Further Handtools

Hemp Rope with Hook

Technical Data

Ø	16 mm
Length	16 m
Weight	3150 g

Title	PU Piece	Article No.
Hemp Rope with Hook	1	156967

AGR: 08.695



# Polypropylen Rope

## Technical Data

Ø	14 mm
Length	80 m

Title	PU Roll	Article No.
Polypropylen Rope	1	335338

AGR: 08.695



Further Handtools

Magnifying Glass LED

- Made of glass, resistant to scratches and dirt
- By 2K handle the magnifying glass is very good in the hand

Title	PU Piece	Article No.
MAGNIFYING GLASS LED HD 2X	1	107181

AGR: 03.990

Accessories Available	PU Piece	Article No.
BUTTN CELL LR 44 1.5V 2PT-BLIS	1	175965



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sealingcurler

- Large plastic wheel. Therefore damages of the sealing can be avoided
- Ergonomic handle

Application Area

- For curling up seals and sealing strips in their groove

Title	PU Piece	Article No.
SEALING ROLLER	1	188246

AGR: 03.913

Flat Clamp

Title	Length	Length x width	PU Piece	Article No.
FLAT STAPLE 300MM 20KG/60PCS	300 mm	300 x 300 mm	1	146780

AGR: 08.695

Drilling Machine

Title	PU Piece	Article No.
178 DRILLING MACHINE	1	103385

AGR: 03.990



Flex Claw Premium

- Very stable and flexible hose pipe
- No magnet and therefore no unintentional sticking or picking up on or from metal parts
- Ergonomic plastic handle for safe guiding and holding of the object at the tip
- Knurling on the push button allows turning and thus positioning of the object at the tip
- Thin tip for safe grip even in tight places

Application Area

- Fixing or attaching of small components
- Lifting of nuts, screws or the like which have fallen in places difficult to access

Characteristics

- Total length: 500 mm
- Length Flex Tube: 400 mm
- Max. Length of claw: 20 mm
- Gripping capacity max: 20 mm
- Weight: 148 g

Title	Length	Ø	PU Piece	Article No.
Flex Claw Premium	500 mm	9 mm	1	366713

AGR: 03.419

