





pcs

460.2615

BRAKE PISTON SPECIAL SOCKET WRENCH SET FOR WABCO AND KNORR DISK BRAKES

- Ideal for pushing back the brake piston damage-freeAllows for safe and comfortable working
- Whilst carrying out maintenance work and when changing the brake pads it is necessary to lead the brake pistons back into the brake calliper
- High precision guarantees an easy and durable use
- . Special adaptor sockets with magnet
- Saves a lot of time
- · Matt finish













340.0010

5

DCS

MASTER CLEANING BRUSH SET

- For cleaning and deburring threads, cylinders, connectors, pipes and other components
- with nylon, brass and steel edging

 External hexagon drive to DIN 3126 / ISO 1173 C 6,3
- With locking and quick-change mechanism on the handle grip and extension
 Can be used by hand or with an electric screwdriver
- · Can be used with an electric screwdriver in a clockwise direction
- Nickel plated
- In durable plastic storage case



15 - 16 - 17 - 18 - 19 mm



15 - 16 - 17 - 18 - 19 mm

08-9-10-11-12-13-14-15 - 16 - 17 - 18 - 19 mm







450.0340

REAMER FOR ABS SENSORS FOR COMMERCIAL VEHICLE

Ø 18,0 mm

- For cleaning the mounting bore of the ABS sensors
- For a correct and damage free assembly of the new sensor
 With fixable joint and ratchet function
- For working in hard to access areas

460.3965

ABS SENSOR RING ASSEMBLY AID FOR VOLVO

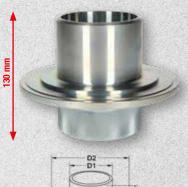
- Ideally suited for mounting the ABS sensor ring
- Suitable for manual operation
 Fixes the ABS sensor ring and it can then be attached without any problems
 The assembly aid can then be removed again
- · Without this tool an ABS error message may occur
- Special tool steel

Application range: Volvo FM





D1 mm	D2 mm	Height mm
94,0	175,0	130,0





REAMER FOR ABS SENSORS

- For cleaning the mounting bore of the ABS sensors
- Makes possible simple and time-saving work
 For a correct and damage free assembly of the new sensor
- For working in hard to access areas
- · Special tool steel









13

DCS



460.4545

POLE WHEEL TOOL SET FOR HINO

- for mounting and dismounting pole wheels
- . Enables de -and assembly directly on the vehicle
- · Minimum work time
- Safe and easy use · Special tool steel











460.4900

ARCING WHEEL MOUNTING TOOL FOR SAF

- ideally suited for mounting pole wheels on SAF axles
- · Sturdy design
- · Special tool steel

Application range: SAF axles S-, Z-Series





460.4670

ASSEMBLY MANDREL FOR BEARING RING AND EXCITER RING FOR SAF

- · ideally suited for mounting bearing rings and pole wheels on SAF axles
- Sturdy design
- · Special tool steel

Application range: SAF axles SK RB 9022 KI(01), SK RB 9019KI, SK RB 9019 WI, SK RB 9022WI, B(I)9-19K, B(I)9-19W, B(I)9-19K01, B(I)9-22W (6), BA9-22K01





SLOGGING 6 POINT SPANNER WITH 2 STRIKING FACES

- Ideal for loosening and tightening TORX® screws on brake calliper screw connections to the rear axle
- Avoid disassembly of the steering tie lever
 With 3/4 " square drive for the correct tightening of the screw
- With lasered troque formula for calculating the correct effective length
- · With 2 impact area



A,	G	
B 0	-	

	Spanner width mm	A mm	Shank width B in mm	Length mm		
460.5060	18	12,0	38,0	219	€	66 , ⁵⁰
460.5061	30	12,0	48,0	224	€	72 , ⁹⁰

517.0925

SLOGGING 6 POINT SPANNER WITH 2 STRIKING FACES

- Ideal for loosening and tightening TORX® screws on brake calliper screw connections to the rear axle
 With 3/4 " square drive for the correct tightening of the screw
- With lasered troque formula for calculating the correct effective length
- With 2 impact area
- · Phosphate finish
- · Chrome vanadium







Spanner width mm	Height of head mm	Shank width B in mm	Length mm
24	11,0	37,0	218,0



460.5062

SLOGGING 12 POINT SPANNER WITH 2 STRIKING FACES

- ideal for simple loosening and tightening of the brake cylinder screw connections
 this means that the dismantling does not apply
- with 1/2" square drive for correct tensioning of the screw connection
- · With lasered troque formula for calculating the correct effective length
- · With 2 impact area
- Phosphate finish
- Chrome vanadium







Spanner width mm	Height of head mm	Shank width B in mm	Length mm
24	12,0	39,0	207





517.0926

SLOGGING 6 POINT SPANNER WITH 2 STRIKING FACES

- Ideal for loosening and tightening TORX® screws on brake calliper screw connections to the rear axle
- With 3/4 " square drive for the correct tightening of the screw
- With lasered troque formula for calculating the correct effective length
- · With 2 impact area
- Phosphate finish
- Chrome vanadium





Spanner width mm	Height of head mm	Shank width B in mm	Length mm
26	12,0	52,0	226,0





450.0360

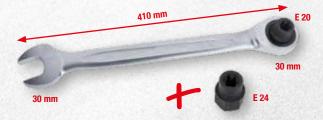
BRAKE CALLIPER SOCKET SET FOR MAN

- Special socket
- . For the dismantling and assembly of brake line fittings
- Extra large drive for extremely tight fitting couplings
- Extremely robust
- · Suitable for narrow spaces
- Chrome vanadium



3

pcs







BRAKE CALIPER SOCKET FOR MAN

- For the dismantling and assembly of brake line fittings
- · Extra large drive for extremely tight fitting couplings
- Extremely robust
- Suitable for narrow spacesSpecial tool steel







	6-point mm	Jaw opening E-TORX		
460.5263	22	E18	€	27 , ⁹⁰
450.0361	30	E20	€	27 , ⁹⁰
450.0362	30	E24	€	27 , ⁹⁰

SLOGGING TORX-E SPANNER WITH 2 STRIKING FACES

- Torx-E-Profile
- Ideal for loosening and tightening TORX® screws on brake calliper screw connections

- Avoid disassembly of the steering tie lever
 With 3/4 " square drive for the correct tightening of the screw
 With lasered troque formula for calculating the correct effective length
 With 2 impact area

- Phosphate finishChrome vanadium



	Jaw opening E-TORX	Height of head mm	Width mm	Length mm		
517.0908	E18	10,0	30,0	215,0	€	48,50
517.0914	E24	12,0	38,0	220,0	€	52 , ⁵⁰

460.3990

BRAKE CALIPER SOCKET WRENCH FOR VOLVO

- For the dismantling and assembly of brake line fittings
- · Extra large drive for extremely tight fitting couplings
- · Extremely robust
- · Special tool steel



BIT SOCKET FOR HEXAGON SCREWS, LONG

- Hexagon socket
- In accordance with DIN 7422
- Internal square drive to DIN 3120 / ISO 1174 with ball reception
- Long execution
- Also ideally suited for the assembly and disassembly of commercial vehicle brake calipers
- · with press-fitted nickel-plated bit
- For manual operation
- · Matt finish
- · Chrome vanadium





	mm	D mm	L mm	T mm		
911.3463	14,0	38,0	155,0	100,0	€	24 , ⁹⁰
911.3464	17,0	38,0	155,0	100,0	€	34, ⁵⁰
911.3465	19,0	38,0	155,0	100,0	€	34,50
911.3466	22,0	38,0	155,0	100,0	€	34,50

460.0970

BRAKE CALIPER SOCKET FOR RENAULT/SCANIA/VOLVO

- · For the dismantling and assembly of brake line fittings
- · Extremely robust
- · Chrome molybdenum







Ø mm	Length mm
19,0	26,0



IMPACT SOCKET FOR TORX® SCREWS, LONG

- For Torx screws
- Internal square drive to DIN 3121 / ISO 1174
- Long executionFor machinery usage
- Phosphate finish Chrome molybdenum







	Profile size	Length mm	Ø mm		
450.0441	T60	140,0	44,0	€	39, ⁵⁰
450.0442	T70	140,0	44,0	€	39 , ⁵⁰
450.0443	T80	140,0	44,0	€	39 , ⁵⁰
450.0444	T90	140,0	44,0	€	39 , ⁵⁰
450.0445	T100	140,0	44,0	€	39 , ⁵⁰



4

pcs



440.0060

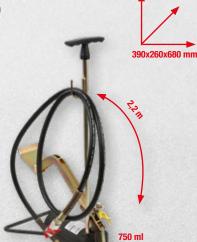
HYDRAULIC FOOT PUMP SET

- · for simply agent press cylinders
- safety valve for overload protectionwith automatic return
- includes hydraulic hose with quick coupling









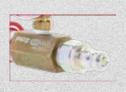


440.0063

MANOMETER

- · with Cejn quick coupling for direct coupling to all KS Tools hydraulic pumps
- · with easy-to-read scale in psi and bar

Caution: The maximum pressure values for the hydraulic cylinder and given in the appropriate operator's manual







440.0345

DISASSEMBLY TOOL FOR FLOATING BRAKE DISCS

- for disassembly of floating brake discs
- Much easier work2 special cylinders for better force distribution
- Control valve for alternating pressing
 With Cejn quick coupling for direct coupling to all KS Tools hydraulic pumps
- very time-saving and effective method
- Secure and easy to useSpecial tool steel



1572⁹⁰6

SPECIAL BRAKE DISC SOCKET FOR SAF, 12-EDGE

- Ideally for the dismantling and/or assembly of brake discs
 For machinery usage

- Phosphate finish Chrome molybdenum







	Spanner width mm	6-point mm		
450.0368	13,0	19	€	11, ⁹⁰
450.0367	15,0	19	€	16 , ⁵⁰









460.0905

CALLIPER REPAIR CASE

- for the professional repair of callipers
- for the replacement of bellows, calliper bearings and the internal sealing of the bellow
- Secure and easy to use
- Very high degree of accuracy
 Enormous time and cost saving













36

460.4720

BRAKE CALIPER REPAIR KIT

- for the professional repair of callipers
 for the replacement of bellows, calliper bearings and the internal sealing of the bellow
- Secure and easy to use
- High accuracy of fit
- Enormous time and cost savingSpecial tool steel
- In durable plastic storage case

Application range: Knorr (SB, SN and SK), Wabco (PAN 19-1 and PAN 22-1), Haldex Modul T (SAF, SBS2220 H0)





1055506





19

pcs

460.5065

BRAKE TOOL SET FOR BPW

- for the professional repair of callipers
- for the replacement of bellows, calliper bearings and the internal sealing of the bellow
- . Secure and easy to use
- Very high degree of accuracy
- . Enormous time and cost saving
- In durable plastic storage case

Application range: BPW SH and SKH axles with ECO Disc disk brakes

















460.1755

THREADED PIPE SOCKET FOR KNORR BRAKE CALIPERS

- · for readjustment of the threaded tubes
- Extremely robust
- · Special tool steel





460.5290

Ø 55 / 20,5 mm

BRAKE TOOL SET FOR KNORR DISC BRAKES

- for the professional repair of callipers
- · For the replacement of calliper bearings
- Secure and easy to useVery high degree of accuracy
- Enormous time and cost savingSpecial tool steel



pcs

460.4435

HYDRAULIC PULLER SET FOR BRAKE ANCHOR BOLTS

- for professional brake repair
- for pulling out damaged brake anchor boltsSafe and easy use
- Very high degree of accuracy
- . Enormous time and cost saving • including 6 t hydraulic cylinder
- · Special tool steel







763⁹⁰6



5

pcs



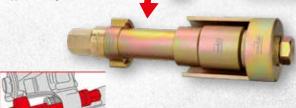
Secure and easy to use

Very high degree of accuracy

. Enormous time and cost saving

· Special tool steel

Application range: BPW SH and SKH



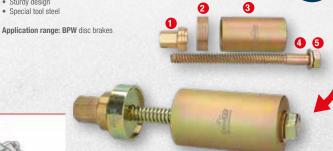
460.4860

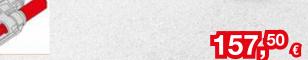
ASSEMBLY TOOL SET FOR BRASS BUSHING LOCATING BEARING

· ideally suited for disassembly and assembly of brass bushes Fixed bearing on disc brakes

DCS

· Special tool steel





440.0730

PRESSURE AND PULL HYDRAULIC CYLINDER SET, 8.5T

· For the assembly and disassembly of silent bearings, steering pin bolts, wheel bearings etc.

· Can be used in the narrowest of spaces

With adjustable pressure rods and impact body

· With automatic piston return

· Special tool steel





4

pcs

440.0015

SHORT-STROKE HYDRAULIC CYLINDER SET 14T

· For the assembly and disassembly of silent bearings, steering pin bolts, wheel bearings etc

With adjustable pressure rod
 Maximum pressure with little effort

• Especially for use with press tool and press stand 440.0190 and 440.0180

With automatic piston return

· Special tool steel



3



Technical data:

Capacity Connection thread Piston-inner thread: Outer thread:

Stroke:

Cejn quick coupling M22 1 1/2"

25,0 mm

8.5 t



Technical data:

Outer thread:

Stroke

Capacity: Connection thread: Piston-inner thread:

440.0010

14 t M24

Cejn quick coupling

1.1/2 55.0 mm



440.0005

PRESSURE AND PULL HYDRAULIC CYLINDER SET 16T

- For the dismantling and assembly of silent support, steering pin, track rod ends, wheel bearings etc.
- Suitable for both pressure and train uses
- With magnetic centring adapterWith impact body for screwing in

- · Special tool steel
- In durable steel storage case



Technical data: Capacity

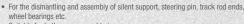
Connection thread: Piston-inner thread: Outer thread:

Stroke:

Cein quick coupling M22 1.1/2" 67.0 mm

16 t

PRESSURE AND PULL HYDRAULIC CYLINDER SET 22T



Suitable for both pressure and train uses

With magnetic centring adapterWith impact body for screwing in

Extremely high and uniform power construction
Universal usage with reduction M10-M22

Ideally suited to transporters

With automatic piston return

. In durable steel storage case









Technical data: Capacity: Connection thread

Piston-inner thread: Outer thread: Stroke

Cein quick coupling M22

1.1/2 70.0 mm







3

pcs



440.0063

MANOMETER

- · With Cejn quick coupling for direct coupling to all KS Tools hydraulic pumps
- · With easy-to-read scale in psi and bar

Caution: The maximum pressure values for the hydraulic cylinder and given in the appropriate operator's







13

440.0580

HYDRAULIC UNIT 22 T, WITH HYDRAULIC PUMP AND MANOMETER

- · For the dismantling and assembly of silent support, steering pin, track rod ends, wheel bearings etc.

 Includes hydraulic pump and manometer
- Suitable for both pressure and train uses
 With magnetic centring adapter
- With impact body for screwing in · Extremely high and uniform power construction
- Universal usage with reduction M10-M22
- · With automatic piston return
- Special tool steel





440.9991

HYDRAULIC UNIT 16-TONNES, WITH AIR HYDRAULIC PUMP

- · For the dismantling and assembly of silent support, steering pin, track rod ends. wheel bearings etc.

 • Suitable for both pressure and train uses
- With magnetic centring adapterWith impact body for screwing in
- Extremely high and uniform power construction
- With pneumatic hydraulic pump Universal usage with reduction M10-M22
- · With automatic piston return
- Special tool steel
- · In durable steel storage case



440.9995

HYDRAULIC UNIT 22-TONNES, WITH AIR HYDRAULIC PUMP

- For the dismantling and assembly of silent support, steering pin, track rod ends, wheel bearings etc
- Suitable for both pressure and train uses
- With magnetic centring adapterWith impact body for screwing in
- · Extremely high and uniform power construction
- With pneumatic hydraulic pump Universal usage with reduction M10-M2
- · With automatic piston return
- Special tool steel
- . In durable steel storage of







440.0038

KLANN HYDRAULIC TO KS MODULO 2-TOOL

- For using the Klann hydraulic cylinder (17 t) with KS Tools tool 1.1/2" internal thread
- Adapter 2.1/4"-14 UNS (Klann thread) to 1.1/2" MODULO 2



440.0036

KS HYDRAULIC MODULO 2 TO KLANN TOOLS

- For use with the KS Tools hydraulic cylinder MODULO 2 (8.5-22 t) with Klann special tool
- Adapter 1.1/2" MODULO 2 to 2.1/4"-14 UNS (Klann thread)
- · Special tool steel



440.0409

KS HYDRAULIC MODULO 2 TO KLANN (COMMERCIAL VEHICLES-SPECIAL TOOLS)

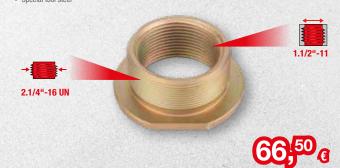
- For using the KS tools hydraulic cylinder MODULO 2 (32t) with the Klann special tool (connection 2.3/4"-16
- Adapter 2.1/2" MODULO 2 to 2.3/4"-16 UNS (Klann thread)
- · Special tool steel



440.0034

KS HYDRAULIC MODULO 2 TO SAUER, MÜLLER, KS MODULO 1 TOOLS

- For use of the KS Tools hydraulic cylinder MODULO 2 (8,5-22 t) with Sauer-, Müller-, KS MODULO 1 special
- Adapter 1.1/2" MODULO 2 to 2.1/4"-16 UN (Sauer, Müller, KS MODULO 1)
- · Special tool steel



440.0407

PASCHKE HYDRAULIC TO KS MODULO 2 TOOLS

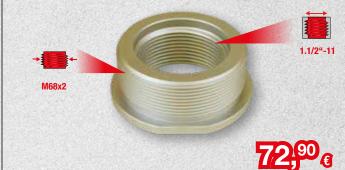
- For using the Paschke hydraulic cylinder with KS Tools special tools MODULO 2
 Adapter M68x2 mm (Paschke thread) to 1.1/2" MODULO 2
- · Special tool steel



440.0408

KS HYDRAULIC TO PASCHKE TOOLS

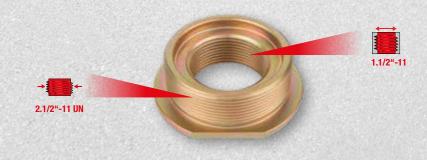
- For using the Paschke KS Tools hydraulic cylinder MODUL0 2 (8,5-22 t) with Paschke special tools
 Adapter 1.1/2" MODUL0 2 auf M68x2 mm (Paschke thread)
- · Special tool steel



440.0037

KS HYDRAULIC MODULO 2 TO KS COMMERCIAL VEHICLES-SPECIAL TOOLS

- For use with hydraulic cylinder MODULO 2 (16 and 22 t) to KS Tools tools MODULO 2 with 2.1/2" thread
- Adapter 1.1/2" MODULO 2 to 2.1/2" thread MODULO 2 (large traverse commercial vehicles)
- · Special tool steel









440.0190

PRESS TOOL

- Forged press tool for removing the ball joints and stabiliser ball pins
- Maximum force 16 t
- Ideal for use with a hydraulic cylinder
- Optimally used with ball joint sets 440.0230 and 440.0240 as well as stabiliser ball pin set 440.0235
- · Secure and easy to use
- · Special tool steel

Recommended hydraulic cylinder: 8.5 t (440.0730), 14 t (440.0015), 16 t (440.0005), 22 t (440.0010)



440.0400

UNIVERSAL BRAKE ANCHOR BOLT SET

- Extension for universal wheel bolt set, truck (440.0390)
- Ideal for replacing the brake anchor bolts and the associated bushes
 Use together with press clamp (440.0190) and hydraulic cylinder
- Saves a lot of time
- · Safe and easy use
- In durable plastic storage case

Recommended hydraulic cylinder: 14t (440.0015) and 8.5t (440.0730)

Application range: Drum brakes for trucks, buses, trailers



450.0240

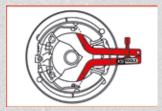
BRAKE SHOES DISMANTLING AND ASSEMBLY TOOL FOR VOLVO

- For the restoration of the drum brake
- For opening and fixing the brake shoes retaining spring
 For the dismantling and assembly of the jaw pins
- With drive spindle for continuous opening
- Sturdy design
- Special tool steel

Application range: Volvo drum brake with Z cam e.g: N7 | N10 | N12 | F7 | F12 | F16 | FH12 | FH16 | FL7 | FL10 | ERF E series | EC series



Spanner width	Length
mm	mm
17	320,0





440.0195

3

pcs

PULLER FOR BRAKE LEVER ARMS

- for disassembly of rusted brake adjusters on commercial vehicle drum brakes
- compact design for flexible use in narrow areas
- For use with hydraulic cylinderSpecial tool steel
- In durable plastic storage case

Recommended hydraulic cylinder: 8.5t (440.0730)

Application range: Drum brakes for trucks, buses, trailers











K 20 COMMERCIAL VEHICLES



PREMIUM-WERKZEUGE

PREMIUM TOOLS



2

pcs



460.4290

TRUCK REAR BRAKE SHOES INSTAL SET FOR HINO

- For the restoration of the drum brake
- For opening and fixing the brake shoes retaining spring
 For the dismantling and assembly of the jaw pins
- With drive spindle for stepless adjusting
- · Sturdy design



460.4835

BRAKE SHOE CLAMPING DEVICE FOR SAF

- · suitable for mounting and dismounting brake shoes
- · Sturdy design
- Special tool steel

Application range: SAF SK500, SK500 Plus, SK9042/11242 and SK9037/11037



327,50₍₁

6

DCS

COMMERCIAL VEHICLE SPRING LEVER

- Ideally suited for brake shoe release springs
- · dismantling and assembly of the back plate not necessary
- Enables works within the wheel housing
- Two component handleForged execution
- · Special tool steel



	Length mm		
450.0310	450,0	€	127 , ⁵⁰
450.0311	620,0	€	127 , ⁵⁰

450.0320

COMMERCIAL VEHICLE BRAKE SPRING PLIERS

- For attaching and dismantaling the brake shoes retaining spring
- For glued and riveted brake shoes
- Special surround
- Interchangeable tip · Knurled handle
- Chrome vanadium



460.4980

LEVER FOR BRAKE RETURN SPRING MOUNTING FOR BPW

- ideally suited for the disassembly and assembly of brake springs on drum brakes
- · Used for cylindrical and conical retaining clips

Application range: BPW (SN300, SN360 and SN420)





460.4915

BRASS BUSH DISMANTLING MANDREL

- · for professional brake repair
- to remove the brass bushing of the camshaft
- Secure and easy to useVery high degree of accuracy
- Enormous time and cost saving
- · Special tool steel

Application range: SAF SK





460.4920

BRASS BUSH ASSEMBLY MANDREL

- for professional brake repair
- to remove the brass bushing of the camshaft
- Secure and easy to use
- Very high degree of accuracy
- · Enormous time and cost saving

Application range: SAF SK







460.4830

DRIVING PIN FOR BEARING BUSHES ON BRAKE PINS / SHAFTS

- ideally suited for mounting of bearing bushes on brake pins / shafts
- two driving mandrels included in delivery
 for use with the hammer
- Sturdy design · Special tool steel



460.4770

PULLING DEVICE FOR BRAKE PINS ON THE DRUM BRAKE

- ideally suited for the dismantling of brake pins on the drum brakes incl. threaded insert M 20 x 1.5 mm / M 20 x 1.5 mm
- Sturdy design
- · Special tool steel



460.4500

BRAKE INTRODUCER FOR HINO

- · ideally suited for damage-free brake application
- Sturdy design
- · Special tool steel

Application range: Hino 700



460.4315

BRAKE ADJUSTER FOR HINO

- · ideally suited for damage-free brake resetting
- Sturdy designSpecial tool steel

Application range: Hino 700



460.4275

3

pcs

INSTALLATION AND REMOVAL TOOL FOR RUBBER SEALS OF THE RELAY VALVE **FOR HINO**

- ideally suited for damage-free installation and removal of the rubber seal of the relay valve
- Sturdy design

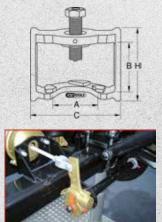


450.0305

BRAKE LINKAGE ADJUSTER EXTRACTOR FOR BPW

- Substantial construction for drawing off firmly sitting BPW brake linkage adjusters
- · Suitable for older and automatic linkage adjusters
- Special tool steel





width mm	mm	mm	mm	
65	78	160	127	

450.0300

BRAKE LINKAGE ADJUSTER EXTRACTOR FOR HALDEX

- Substantial construction for drawing off firmly sitting brake linkage adjuster
- Certain stop through ring shaped bearing area
- Special tool steel





ВН

Maximum clamping	Jaw depth	С	Н
width mm	mm [']	mm	mm
65	78	160	127







460.0955

ELECTRO-HYDRAULIC RIVETING TOOL

- suitable for riveting and riveting brake shoes
- Electro-hydraulic system
 Mains voltage 220 V
- Short set-up time
- Sturdy design
- Special tool steel



460.4420

PNEUMATIC PLUG CONNECTION SYSTEM REMOVAL TOOL SET

- · for correct and destruction-free unlocking of pneumatic quick connectors
- universally applicable for pneumatic lines with the diameters 6 mm, 8 mm, 10 mm, 12 mm, 15 mm and 16 mm
- Secure and easy to useSpecial tool steel







460.5665

PNEUMATIC QUICK CONNECTOR RELEASE TOOL

- for correct and destruction-free unlocking of pneumatic quick connectors
- universally applicable for pneumatic lines with the diameters 6 mm, 8 mm, 10 mm, 12 mm
 Secure and easy to use
- · Special tool steel

1 Ø 6 mm

2 Ø 8 mm



5

460.5095

PNEUMATIC QUICK CONNECTOR RELEASE PLIERS

- for correct and destruction-free unlocking of pneumatic quick connectors
- \bullet universally applicable for pneumatic lines with the diameters 6 mm, 8 mm, 10 mm, 12 mm
- Secure and easy to use
- · Special tool steel





- 1 Ø 6 mm
- 2 Ø 8 mm
- 4 Ø 12 mm

460.5085

SPECIAL ANGLE PIPE CONNECTOR SOCKET SET

- · for safe disassembly and assembly of angle connections
- socket with side opening
- Slim design
- · For difficult to access areas
- Internal square to DIN 3120 / ISO 1174 with ball reception
- Simple handling
- Matt finish
- In durable plastic storage case

Application range: Angle connections e.g. to lines and air suspension











913.1300

12 POINT CRAWFOOT WRENCH SET

- 12 point
- Internal square drive
 For tightening and loosening pipe connections
- For manual operation Slim execution
- · For difficult to access areas
- Burnished
- Special tool steel
- In durable plastic storage case



19 - 21 - 22 - 24 - 27 - 30 - 32 - 36 - 41 - 46 mm











222.2060

HOSE CUTTER

· Aluminium die cast body







222.1001M

PLASTIC PIPE CUTTER Ø 0 - 32 MM

- · Teflon coated cutting blades
- · Aluminium die cast body



SPECIAL CLAMPING GRIPPING PLIERS

- · For the cutting of plastic pipes
- Enormous time and cost saving Suitable for narrow hard to access areas
- Versatile use
- · With loosening lever
- With easy locking action
 Size adjustment using the adjustment wheel
- Black lacquer
 Chrome molybdenum







	Dimensions	Ø mm	Length mm		
450.0350	1	8/9/10/11/12	260,0	€	100,50
450.0351	2	7 / 9 / 10 / 12 / 14	265,0	€	100,50
450.0352	3	15 / 16 / 18	255,0	€	106, ⁹⁰





RECOIL FREE SOFT FACED HAMMER

- With steel tube handle and plastic handle
- Shock absorbing effect through steel shot in the head
 Up to 100% higher impact effect than normal Soft head hammers
- Shatterproof and wear resistant
- · Polyamid heads interchangeable
- · For safer working with less recoil





	g	Ø mm	L1 mm	L2 mm		
140.5270	360	25,0	290,0	105,0	€	34, ⁵⁰
140.5271	480	30,0	290,0	110,0	€	39, ⁵⁰
140.5272	590	35,0	295,0	110,0	€	39 , ⁵⁰
140.5273	850	40,0	300,0	120,0	€	46, ⁵⁰
140.5274	990	45,0	305,0	125,0	€	46 , ⁵⁰
140.5275	1110	50,0	310,0	125,0	€	54 , ⁵⁰
140.5277	1670	60,0	360,0	140,0	€	66, ⁵⁰

RECOIL FREE SOFT FACED HAMMER

- Polyurethane fiberglass composite · Serrated surface for secure grip
- · Free of sparks due to rubber cover
- Special absorbing effect through steel shot in the hammer head
 Substantially higher blow effect than in conventional hammering
- · For safer working with less recoil





	g	Ø mm	L1 mm	L2 mm		
140.5252	500	46,0	300,0	100,0	€	24 ,90
140.5254	570	46,0	300,0	100,0	€	31, ⁵⁰
140.5255	600	50,0	325,0	100,0	€	37 , ⁵⁰
140.5256	620	54,0	340,0	100,0	€	37 , ⁵⁰
140.5257	1050	60,0	350,0	126,0	€	44,90
140.5258	1250	70,0	370,0	135,0	€	57 , ⁹⁰

455.0055

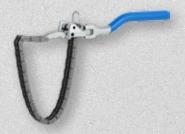
OIL FILTER STRAP

- strong and extra high webbing
- Ideally suited for the installation and removal of filters and filter cartridges
 Internal square drive to DIN 3120 ISO 1174
- Also for hard-to-reach filter housing
- · particularly great work area and light weight
- small space requirement on the exterior diameter of the filters
- strong nylon webbing offers secure grip on the filter and provides positive dismantling of the filter



OIL FILTER AND AIR DRYER CARTRIDGE CHAINS WRENCH

- · Extremely robust double tension chain
- Ideally suited for the installation and removal of filters, filter cartridges and air dryer cartridges
 One hand operation
- · Infinitely variable
- Also for hard-to-reach filter housing
- Handle can also be turned 90° via the turning joint
- Double tension chain gives a secure mounting on the filter and provides a powerful wrench releasing of the
- Insulated handle





	Ø max. mm		
150.9375	130,0	€	90 , ⁹⁰
150.9376	160,0	€	88, 90

OIL FILTER BAND WRENCH

- Sturdy and extra high steel band
- Ideally suited for the installation and removal of filters and filter cartridges
- Internal square drive to DIN 3120 ISO 1174
- Also for hard-to-reach filter housing
 Especially large working area
- Grooves give a secure mounting on the filter and provides a powerful wrench releasing of the filter
 Special tool steel





	Ø mm	Ø	Height mm		
455.0050	105 - 118	4.1/8" - 4.21/32"	75,0	€	54, ⁵⁰
455.0051	118 - 130	4.21/32" - 5.5/32"	75,0	€	54, ⁵⁰
455.0052	130 - 143	5.5/32" - 5.21/32"	75,0	€	54 , ⁵⁰



700.5008

UNIVERSAL OIL FILTER WRENCH, 104 - 150 MM

- With self tensioning effect
- Work clockwise / anticlockwise loose and tighten
- · Serrated laws
- Less space required
 With 24 mm or 1/2" drive
- · Special tool steel

Application area: Oil and fuel filters, air













300.0540

DIGITAL BRAKE DISK VERNIER CALLIPER 0 - 60 MM

- In accordance with DIN 862
- Locking screwFor internal measurements
- Scale division in black
- . Measuring bar in mm and imperial divisions
- mm/imperial switching
- Hold button for fixing measured valueReset (to zero) in every position possible
- Large LCD display figure height 10.0 mmWith automatic switching off
- · Entirely hardened, finely engineered
- Stainless steel
- In durable plastic case





Measurement range mm	Measurement accuracy mm	Length mm	Height of head mm
0 - 60	+/- 0,03	160,0	55,0





6-point	Ø	Height
mm	mm	mm
24	104 - 150	80,0

OIL FILTER AND AIR DRYER CARTRIDGE WRENCH

- . The special automatic left and right side adjustment mechanism makes possible the releasing and tightening of different sizes oil filters
- . Ideally suited for the installation and removal of filters and filter cartridges and air dryer cartridges
- Internal square drive to DIN 3120 ISO 1174
- Also for hard-to-reach filter housing
- Specially chequered and hardened surface areas give a secure mounting on the filter and provides a powerful wrench releasing of the filter
- · Forged, extremely robust execution
- · Special tool steel





	6-point mm	Ø mm		
700.5001	24	80 - 120	€	90,90
700.5002	30	105 - 165	€	127,50

BRAKE DISK VERNIER CALLIPER

- In accordance with DIN 862
- Locking screw
 Scale division in black
- Precision scale division in mmDrag nonius for fixation of measured values



	mm	mm	mm	mm		
300.0535	0 - 60	+/- 0,01	162,0	55,0	€	54 , ⁵⁰
300.0536	0 - 90	+/- 0,01	255,0	120,0	€	170,50

450.0315

1/2"

PNEUMATIC ADAPTOR SET

- · With universal mouth piece
- For filling the pneumatic brake plant for trucks from the manufacturer Bosch and Wabco+Grau
 Set contains 0° and 90° executions for different place ratios
- · Applicably for the tire abundance connection for the pressure regulator
- Unnecessary air load and sound load diminishes





300.0539

2

DCS

DIGITAL BRAKE DRUM VERNIER CALLIPER 0 - 100 MM

- In accordance with DIN 862
- mm/imperial switchingHold button for fixing measured value
- Reset (to zero) in every position possible
 LCD display figure height 6,0 mm
- · With automatic switching off · Stainless steel, hardened
- In durable plastic case





Measurement range mm	Measurement accuracy mm	Length mm	Height of head mm
0 - 100	+/- 0,03	207,0	95,0









300.0506

BRAKE DISC CALLIPER GAUGE 200 - 400 MM

- Allows identification of the brake disc diameter without disassembling the wheels
- Universal usageQuick identification of the braking system
- No wrong ordering of brake pads or brake discs
- · Quick and efficient
- · Saves a lot of time



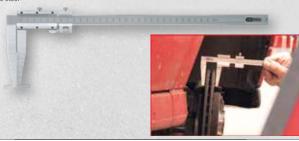


Measurement range	Length
mm	mm
200 - 400	455,0



BRAKE DRUM CALLIPER FOR COMMERCIAL VEHICLE

- In accordance with DIN 862
- Locking screw
- · For external and internal measurements
- Scale division in black
- · Fine adjustment
- . Measuring bar in mm divisions
- Thread table
- Internal measure has direct reading
- · Entirely hardened, finely engineered Stainless steel



	Mearsuring range in mm	Mearsuring range external in mm	Measurement accuracy mm	Length mm	Height of head mm		
300.0525	0 - 300	40 - 340	+/- 0,02	410,0	95,0	€	278 , ⁵⁰
300.0530	0 - 500	60 - 560	+/- 0,05	660,0	150,0	€	430,50

300.0555

MICROMETER

- In accordance with DIN 863
- With measurement locking screw
 Measuring force rule through ratchet sensation
- Spindle made out of hardened steel
 Measuring surfaces with hard metal tips
- With hand warmth insulation
- · Stainless steel
- In durable plastic case





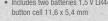
Measurement range mm	Measurement accuracy mm	Length mm	Frame height mm	Ø spindle mm	Ø drum mm	Ø spindle pitch mm
0-25	+/- 0,01	130,0	30,0	6,5	17,0	0,5

300.0580

DIGITAL OUTSIDE MICROMETRE

- With measurement locking screw
 Measuring force rule through ratchet sensation
- Measuring surfaces with hard metal tips
- · With hand warmth insulation
- Stainless steel
- · 2 mm feed enables quick measurement

- Large LCD display
 With automatic switching off
- In durable plastic case
 Includes two batteries 1,5 V LR44





	200000000000000000000000000000000000000	CHICA STANCE			COLOR SPANISH CHAPTER	CONTRACTOR STREET
Measure-	Measurement	Lenath	Frame height	0 spindle	Ø drum	Ø spindle
ment range	accuracy mm	mm	mm	mm	mm	pitch mm
mm	1111111		111111		111111	piton min
0-25	+/- 0,01	160,0	24,0	6,5	17,0	0,5

300.0560

PRECISION DIAL INDICATOR GAUGE 0 - 10 MM

- In accordance with DIN 878
- · With securing screw and turnable dial face Shockproof
- · Splash proofed
- Measuring tip protected against contamination by a bellowed sleeve
- Clamping shaft Ø 8 mm H6
- · With 2 measuring scales
- Spindle and clamping shaft made from stainless steel
- . In durable plastic case





Measurement range mm	Measurement accuracy mm	Ø mm	Pointer revolution mm
0 - 10	+/- 0,01	60,0	1,0



300.0565

DIGITAL PRECISION DIAL INDICATOR GAUGE 0 - 10 MM

- mm/imperial switching
- Reset (to zero) in every position
 Large LCD display figure height 6,0 mm
- Clamping shaft Ø 8 mm H6
 With automatic switching off
- Spindle and clamping shaft made from stainless steel



1	3	3	90	9

Measurement range mm	Measurement accuracy mm	Ø mm
0 - 10	+/- 0,02	60,0





300.0625

MAGNETIC MEASUREMENT STAND WITH 2 JOINTS

- · For clamping of the dial indicator
- Revolving base
- . Transverse arm with joint and fine adjustment
- With on and off switchable magnetic base
- . High adhesive force on burnished steel and cast areas
- · Also adhesive on convolutions
- · Foot with prismatic base and stop area mounted edges
- With dial guage reception Ø 8 mm





Reach mm	Magnet foot mm	Height in mm	adhesive force n	stand Ø mm
180,0	60x50x55	280,0	600,0	16,0

300.0690

BRAKE DISC MEASURING TOOL SET



- Exact positioning of the dial gauge on the test object with magnetic dial gauge holder
 Transverse arm with three-point clamp for exact mounting on shock absorbers
- Precise setting of the measuring scale with adjustable tolerance marks
- · With rotating, knurled outer ring
- Suitable for measuring the brake disc thickness, and for detection of irregularities and distortion
- With measured value fixing lever and measuring force control with ratchet function
- In durable plastic storage case



140044144444444

300.0623

MAGNETIC MEASUREMENT STAND WITH 3 JOINTS

- · For clamping of the dial indicator
- Revolving base
 Transverse arm with joint and fine adjustment
- With on and off switchable magnetic base
- High adhesive force on burnished steel and cast areas
- Also adhesive on convolutions
- · Foot with prismatic base and stop area mounted edges
- With dial guage reception Ø 8 mm





Reach mm	Magnet foot mm	Height in mm	adhesive force n	stand Ø mm
280,0	50x55x60	380,0	600,0	12,0

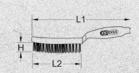
201.2326

BRASS WIRE HAND BRUSH 3 ROWED

- Universal usage
- Plastic hand grip casing
- For surface preparation · Straight brass wire



Height mm	L1 mm	L2 mm
25,0	285,0	130,0



201.2300

STEEL WIRE ALL PURPOSE WIRE BRUSH

- With plastic handle
- For surface preparation · Crimped steel wire





Height mm	L1 mm	L2 mm
28,0	250,0	145,0



150.2230

BRAKE DISC MEASURING TOOL SET

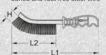
- For measuring the radial and axial runout of wheel hubs and brake discs
- Exact positioning of the dial gauge on the test object with magnetic dial gauge holder
 Quick and easy attachment of stand with prismatic support and activated magnets
- Precise setting of the measuring scale with adjustable tolerance marks
 With rotating, knurled outer ring
- Suitable for measuring the brake disc thickness, and for detection of irregularities and distortion
- With measured value fixing lever and measuring force control with ratchet function
- In durable plastic storage case



201.2301

STAINLESS STEEL WIRE ALL PURPOSE WIRE BRUSH

- With plastic handle
- For surface preparation Curled and rust free steel wire





0.00	Height	L1	L2
	mm	mm	mm
	28,0	250,0	145,0



20

3

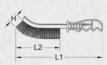
DCS



201.2302

BRASS STEEL ALL PURPOSE WIRE BRUSH

- · With plastic handle
- · For surface preparation
- · Curved brass wire





Height mm	L1 mm	L2 mm
28,0	250,0	145,0



201.2320

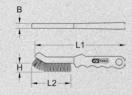
STEEL WIRE BRAKE SADDLE WIRE BRUSH 2 ROWED, STRAIGHT

- · With hanging hole
- Very narrow execution
- . For narrow brake saddle shafts
- Robust stock
- Two component handle For removing of stubborn brake dust
- For surface preparation
- · Smooth steel wire





Width mm	Height mm	L1 mm	L2 mm
12,0	22,0	225,0	90,0



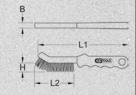
201.2321

STEEL WIRE BRAKE SADDLE WIRE BRUSH 2 ROWED, STRAIGHT AND TAPERED POINT

- · With hanging hole
- Tapered point
- Very narrow executionFor narrow brake saddle shafts
- Robust stock
- · Two component handle
- For removing of stubborn brake dust
- · For surface preparation



Width mm	H mm	L1 mm	L2 mm
12,0	14,0 - 22.0	225,0	90,0



201.2322

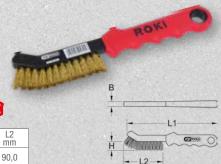
BRASS WIRE BRAKE SADDLE WIRE BRUSH 2 ROWED. STRAIGHT

- Very narrow execution
- · For narrow brake saddle shafts
- · Robust stock
- · With hanging hole
- Two component handle
- · For removing of stubborn brake dust For surface preparation
- · Curved brass wire

Width

12,0





HONE BRUSH FOR BRAKE CALLIPER CASING

- For corroded attachment bore holes in the brake calliper casing
- · For east assembly of the new guide sleeves
- Universal usage
- Usable with hand-operated bore machine
- Only to be used clockwise and with a maximum turning speed on 500 rpm



	Ø mm	Length mm		
150.1182	9,0	200,0	€	52 , ⁵⁰
150.1183	19,0	200,0	€	66 , ⁵⁰

TRIANGULAR HOLLOW SCRAPER

- Ideally suited to treating surfaces
- 3 cutting edges for clean deburring
- Work areas ground
- In accordance with DIN 8350 Shape C
- · Special tool steel



	Width	L1 mm	L2 mm		
150.2241	14,0	270,0	150,0	€	11,90
150.2242	15,0	320,0	205,0	€	11, ⁹⁰

157.0960

BRAKE SADDLE FILE EXTRA NARROW

- · Especially suited for Japanese vehicles
- With vehicles with disk brakes
- Two component handle

- Bevelled edgesInsert unilaterally coarsely diagonally milled
- With blunt scraper on the forehead sideFor cleaning the brake saddle
- For removing of coarse residues
- · Special tool steel

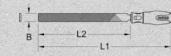
mm

150.0



File insert

161 0960



157.0950

Width

10.0

BRAKE SADDLE FILE

- Especially suited for European vehicles
- · With vehicles with disk brakes

mm

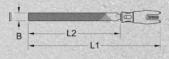
270.0

- Two component handle
- Bevelled edges
- Insert unilaterally coarsely diagonally milled
- With blunt scraper on the forehead side
- · For cleaning the brake saddle For removing of coarse residues
- · Special tool steel





12,0 270,0 150,0 161.0950	mm	mm	mm	File insert
	12,0	270,0	150,0	161.0950





- L2-

201.2305

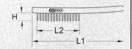
STEEL HAND WIRE BRUSH 3 ROWED

- 3 rowed
- Universal usage
- · wooden handle
- For surface preparation
- · With steel bristles





Height	L1	L2
mm	mm	mm
32,0	290,0	138,0



201.2325

STEEL WIRE HAND BRUSH 4 ROWED

- 4 rowed
- Universal usage
- · Plastic hand grip casing
- For surface preparation





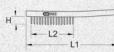
201	.2311	

STEEL HAND WIRE BRUSH 4 ROWED

- · Universal usage
- wooden handle
- · For surface preparation
- · With steel bristles



Height mm	L1 mm	L2 mm
32,0	290,0	138,0



515.3549

Height

25,0

PNEUMATIC BELT GRINDER

285,0

130,0

- With non slip soft grip handle

- Air exhaust through the handle
 Working head is 360° ajustable
 Adjustable for quick sanding belt change
 Ideal for narrow areas (10 mm belt width)
- Secure operation lever with locking deviceStepless speed regulation
- Number of revolutions adjustable through regulating scre
 Vibration dampened
- · Cold insulated handle
- · Includes 1/4" coupling connector Light aluminium housing
- For sanding belts with a lenght of 330 mm



Technical data:

Belt speed: No load current: Vibration acceleration: Noise performance level: Noise pressure level: Air consumption:

1188 m/min 18000 r.p.m < 1,01 m/s² 81 dB(A) 73 dB(A) 142 l/min

Min. tube diameter: 3/8" - 10 mm Operating pressure: max. 6,3 bar (90 psi) Connection thread: 1/4"PT

1/4" PT

360

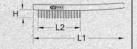
STAINLESS STEEL HAND WIRE HAND BRUSH 3 ROWED

201.2310

- Universal usage
- wooden handle
- For surface preparation With stainless steel bristles



Height mm	L1 mm	L2 mm
32,0	290,0	138,0



201.2306

STAINLESS STEEL HAND WIRE HAND BRUSH 4 ROWED

- 4 rowed
- Universal usage
- · wooden handle
- For surface preparation · With stainless steel bristles



Height mm	L1 mm	L2 mm
32,0	290,0	138,0



ABRASIVE BELTS FOR PNEUMATIC BELT GRINDERS

· Abrasive belts for pneumatic belt grinders 515.3549



	Grit size	Content		
515.3551	80	10	€	27 , ⁹⁰
515.3552	100	10	€	27 ,90
515.3553	120	10	€	27 ,90





PRY BAR

- Angular lever end guarantees non slip surface
- Ideally suited for and breakdown and installation work
 Go through blade and hammer cap
- Suitable for the testing of defective bearings
 Two component handle
- Special tool steel
- . In durable plastic storage case



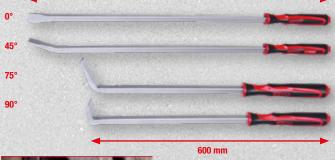
	Bend radius	Length mm		
911.8411	0°	900,0	€	60, ⁹⁰
911.8412	45°	900,0	€	60 , ⁹⁰
911.8413	75°	600,0	€	60 , ⁹⁰
911.8414	90°	600,0	€	60, 90

911.8410

PRY BAR SETS

- Angular lever end guarantees non slip surface
 Ideally suited for and breakdown and installation work
- Go through blade and hammer capSuitable for the testing of defective bearings
- Two component handle
 Special tool steel
- In durable plastic storage case





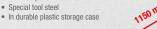


179,90

911.8415

PRY BAR

- Angular lever end guarantees non slip surface
- Ideally suited for and breakdown and installation work
 Go through blade and hammer cap
- Suitable for the testing of defective bearings
- · Two component handle







Bend radius	Length mm
45°	1150,0





LEVER BAR

4





k diameter S	1

D1 D2 Length m Shank mm mm 37 0 22 0 35.0 1.80

TELESCOPIC FLEXIBLE ROLL HEAD PRY BAR

- Lever extension with push-button in stepsRoller head adjustable in steps
- Extra narrow, with recessed push button
- Maximum power transmission in the narrowest area
 Optimal leverage in minimal work area



	Length mm	Width mm	Height mm		
911.8186	325-460	12,0	90,0	€	69, ⁵⁰
911.8187	600-915	20,0	120,0	€	89,90
911.8188	865-1350	24,0	145,0	€	201,50

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