

DCS





460.0730

DRIVER'S CAB WRENCH SET FOR VOLVO / SCANIA

- · suitable for tilting the cockpit
- ideally suited for actuating the valve lever and the tilting pump on the driver's cab
- 12 point
- Extremely sturdy execution
- · For manual operation · With rubber grip
- · Special tool stee



460.5700

SHOCK ABSORBER STRUT BRACE FOR DRIVER'S CAB SHOCK ABSORBER



455.0090

SPECIAL COUNTER BRACKET FOR VOLVO, PROFILE FLAT/OVAL, 18 MM

- · For the removal and installation of driver's cab shock absorbers
- . For counter holding the piston rod and simultaneous turning of the screw cap
- · Extremely sturdy execution





Spanner	L1	L2	L3	L4	L5
width mm	mm	mm	mm	mm	mm
18	150,0	100,0	7,2	10,0	18,0

460.0950

FAN BEARING NUT WRENCH FOR VOLVO WITH 4 PINS

- · ideally suited for dismantling the slotted nut of the fan bearing
- . Internal square drive to DIN 3121 / ISO 1174
- Short execution
- For machinery usagePhosphate finish



A000000	
B	CSTOOLS H
6,0	

D2

455.0110

COMMERCIAL VEHICLE COOLING SYSTEM TESTING EQUIPMENT

- · For the diagnosis of leakages on coolent systems



COOLING SYSTEM EXPANDER CONE TEST ADAPTER

- · For testing pressure and diagnosing leaks in the coolant system
- Also suitable for filling the cooling system alongside a filling valve
 The pressure generated holds the matching rubber cone in the cooler or expansion tank opening
- · Can be fitted directly onto the cooler or expansion tank
- Secure fit due to expansion
- No need to purchase expensive individual adapters
 Removes need to purchase single adapters
- Simple handling
- Optimal use alongside KS Test pump 455.0111
- Robust design made from POM (polyoxmethylene)





	Ø mm	Height mm		
455.0141	17,0 - 37,0	170,0	€	51 , ⁵⁰
455.0142	28,0 - 41,0	170,0	€	52, ⁵⁰
455.0143	37,0 - 50,0	170,0	€	53 , ⁵⁰
455.0144	47,0 - 60,0	170,0	€	54 , ⁵⁰

9

DCS



TOOLS

455.0076

CONDENSER FILLING AND RELIEF ADAPTOR, SCANIA/VOLVO/RENAULT

- · Ideally for the change of antifreeze
- Big aperture for fast draining
- · Quick coupling made of stainless steel

Application: Scania 340/360 commercial vehicle and bus, Volvo/Renault





70 mm

122 mm

460.1750

CONDENSER FILLING AND RELIEF ADAPTOR, VOLVO

- · Ideally for the change of antifreeze
- . Big aperture for fast draining
- · Quick coupling made of stainless steel





455.0001

THRUST BOLT SPIGOT SOCKET 22,0X28,5X72,0 MM

- For the disassembly and assembly of the pressure screw on the injector body
 Internal square to DIN 3120 / ISO 1174 with ball reception
- Ideally suited for commercial vehicles





1/2





455.0000

THRUST BOLT SPIGOT SOCKET SET FOR MERCEDES AND MAN

- For the disassembly and assembly of the pressure screw on the injector body
 Assortment of the most important thrust spigot sockets
- · Ideally suited for commercial vehicles





455.0002

THRUST BOLT SPIGOT SOCKET 22,0X28,0X70,0 MM

- · For the disassembly and assembly of the pressure screw on the injector body
- M14 fixing screw for non slip mounting
 Hexagon drive SW 22
- · Ideally suited for commercial vehicles
- · Special tool steel

455.0003

· Permeable and open form

. With hexagon drive 32.0 mm · Ideally suited for commercial vehicles

· Special tool steel

MAN engines etc





Possible to extract the cable from the needle motion sensors

Application range: Mercedes Euro 2 engines

THRUST BOLT SPIGOT SOCKET 22,0X28,5X122,0 MM · For the disassembly and assembly of the pressure screw on the injector body

460.0715

INJECTOR-SOCKET FOR SCANIA

- Ideally suited to the assembly and disassembly of the cover cap on the electromagnetic injection nozzles
- Extra slim design
- Internal square to DIN 3120 / ISO 1174 with ball reception
- For manual operation
- Burnished
- Special tool steel

Application range: Scania 340







Profile size mm	Ø mm	Length mm
38,0	45,0	100,0



10

Profile size mm	Ø mm	Length mm
38,0	45,0	100,0

Spanner width mm	Internal Ø mm	External Ø mm	Length mm	Number of studs
32	22,0	28,5	122,0	4

460.4505

VALVE MOUNTING BRIDGE SET

- For assembly and removal of valve springs.
- · with mounted or dismounted cylinder head
- · Can be used universally with various assembly and adjustment options
- · time- and cost-efficient
- Removal of cylinder head not necessary for repair of valve shaft seals or valve springs

Application range: Fuso 3.5 t and > 15 t, Hino 750, Isuzu 180 and 200, Volvo FM







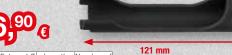
455.0004

THRUST BOLT SPIGOT SOCKET 23,0X30,0X121,0 MM

- . For the disassembly and assembly of the pressure screw on the injector body
- . Internal square to DIN 3120 / ISO 1174 with ball reception
- · Ideally suited for commercial vehicles







Drive:	Internal Ø mm	External Ø mm	Length mm	Number of studs
1/2"	23,0	30,0	121,0	3





460.3870

VALVE SPRING COMPRESSOR FOR SCANIA

- For assembly and disassembly of valve springs and valves
- For fitted or removed cylinder headtime- and cost-efficient
- · Removal of cylinder head not necessary for repair of valve shaft seals or valve springs
- · Fixing via pump-nozzle guide
- · Special tool steel

Application range:Scania (340, 360 and 380)



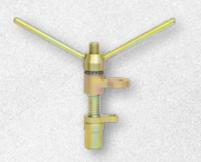


460.1005

VALVE SPRING COMPRESSOR FOR VOLVO

- For assembly and disassembly of valve springs and valves
- · For fitted or removed cylinder head
- time- and cost-efficient
 Removal of cylinder head not necessary for repair of valve shaft seals or valve springs
- Fixing via pump injector guide with M10x1,5 screws
- · Special tool steel

Application range: Cylinder heads from Volvo FM12



6



460.3725

ROCKER ARM LIFT FOR VOLVO

- · for mounting and dismounting the rocker arms
- the distances between the toggle levers remain in the installed condition even during lifting
- time- and cost-efficient

Application range: Volvo D9, D12, D16







455.0075

CRANK SHAFT SIMMERRING INSTALLATION TOOL FOR SCANIA

- Washer installation aid
- For damage free mountingKnurling for positive holding while positioning
- Extremly versatileSpecial tool steel

Application: Scania 9L engines 310/320PS Crank shaft simmering (no. 0366303-R)





	D1	D2	T	Height
9	mm	mm	mm	mm
	159,0	130,0	30,0	60,0



460.3940

GASKET RING MOUNTING KIT FOR SCANIA

- · for the assembly of sealing rings
- especially for the front crankshaft radial seal ring with a height of 12 mm, inner diameter 120 mm, outer diameter 140 mm
- · drawing tool
- · Special tool steel

Application range: Scania (4 Series, K, P, G, R and T Series)





460.3935

GASKET RING MOUNTING KIT FOR SCANIA

- for the assembly of sealing rings
- . Especially for the front and rear crankshaft radial seal ring with a height of 13 mm, inner diameter 145 mm, outer diameter 175 mm
- drawing tool Special tool steel

Application range: Scania 340 / 380 (EURO 4)



















TOOLS"

8

460.1110

OIL SEAL PULLER FOR SCANIA

- suitable for removing the shaft sealing ring
- · With pressure plate for support · Sturdy design
- Trapezoid thread spindle for high removal power drive 30 mm
- · Special tool steel

Application range: Scania 310 (112) / 320 (113) Engine shaft seal, gearbox side and driveline









460.3780

GASKET RING MOUNTING KIT FOR VOLVO

- for the assembly of sealing rings
- especially for the rear crankshaft radial seal with a height of 15 mm, inner diameter of 180 mm, outer diameter of 205 mm
- Including retraction tool
- · Special tool steel





460.3955

SEALING RING MOUNTING TOOL FOR VOLVO

- for the assembly of sealing rings
 especially for the front crankshaft radial seal ring with a height of 13 mm, internal diameter 136 mm,
- drawing tool Special tool steel

Application range: Volvo D16



460.4195

CRANK SHAFT SIMMER RING ASSEMBLY TOOL SET FOR VOLVO

- For quick and damage-free installation of the rear crankshaft seal ring
- No need for reworking with repeated removal of the gearbox
 Including retraction tool
- time- and cost-efficient
- No need to strip the engine

Application range: Volvo FM (2000-2007)



460.3710

CAMSHAFT LIFT FOR VOLVO

- · for safe lifting of camshafts
- with a maximum load capacity of 40 kg
- · Special tool steel

Application range: Volvo





460.4020

ENGINE CAMSHAFT ROTATOR FOR RENAULT

- With 1/2" square drive
- Allows the engine crank to be manually adjusted
- · Allows pinpoint accuracy calibration · Ideal for adjustments to the engine
- · Special tool steel







D1	D2	Quantity	L
mm	mm	Teeth	mm
51,0	44,0	8	











(STOOLS)

455.0070

ENGINE CAMSHAFT ROTATOR FOR SCANIA

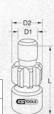
- Allows the engine crank to be manually adjusted
- Allows pinpoint accuracy calibration
 Ideal for adjustments to the engine
- Internal square drive to DIN 3121 / ISO 1174
- · Special tool steel

Application range: Scania 4 series from 1996 and R series











460.1395

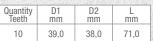
ENGINE CAMSHAFT ROTATOR FOR VOLVO

- Allows the engine crank to be manually adjusted
- Allows pinpoint accuracy calibration
- · Ideal for adjustments to the engine
- Internal square drive to DIN 3121 / ISO 1174

Application range: MP8, MP10 (FH, D13A 520) engines









	V	•	一个一个
D1 mm	D2 mm	L mm	D2 (See) D1
39,0	38,0	71,0	L
JOSEPH AND STREET			

460.3625

ENGINE CAMSHAFT ROTATOR FOR VOLVO

- . With 6 point drive 24 mm
- Allows the engine crank to be manually adjusted
- Allows pinpoint accuracy calibration · Ideal for adjustments to the engine
- Special tool steel





6-point mm	Quantity Teeth	Height mm	Hole diameter	Width mm
24	9	59,0	56,0	77,0



455.0085

ENGINE CAMSHAFT ROTATOR FOR VOLVO

- · Allows the engine crank to be manually adjusted
- Allows pinpoint accuracy calibration
- Ideal for adjustments to the engineAttachment in the clutch housing
- Internal square drive to DIN 3121 / ISO 1174
- · Special tool steel

Application range: turning it means it can be used for 6 or 12 litre Volvo motors e.g. motor D9A, D12, D16C









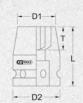




HEXAGON IMPACT SOCKET

- · ideally suited for mounting and dismounting screws on the flywheel
- · 6 point
- According to DIN 3129 / ISO 2725-2
- Internal square drive to DIN 3121 / ISO 1174
- Short execution
- For machinery usage
- Phosphate finish Chrome molybdenum

Application range: MAN TGL, TGM and Scania





			<u>m m</u>	<u>m mn</u>	-I	
515.1022 2	2,0 38	,0 32	,0 30	,0 14,	0 €	3 , ⁵⁰
515.1024 2	4,0 38	,0 34	,0 30	,0 15,	0 €	4,50

460.3810

1/2"

PISTON RING INSTALLATION AID FOR SCANIA

- · facilitates mounting of the piston in the liner
- Conical mounting flangeEnormous time and cost saving
- Special tool steel

1/2"







D1	D2
mm	mm
130,0	127,0





PISTON RING INSTALLATION AID FOR VOLVO

- · facilitates mounting of the piston in the liner
- conical mounting sleeve with centringEnormous time and cost saving
- Special tool steel





				The same
	D1 mm	D2 mm		
	111111	111111		
460.3760	138,0	130,0	€	71 ,90
460.3765	128,0	120,0	€	71, 90
460.3770	110,0	104,0	€	71, 90





TOOLS

6

460.1815

CYLINDER LINER EXTRACTOR SET

- Ideal for removing of cylinder liner in commercial vehicles and industrial bearing
 Outriggers suitable especially for large cylinder liners and bearings
 Suitable for cylinder liner with Ø 60 160 mm

- 3 spreader guarantee an optimal adjustment of the internal extractor
 Extremely robust spindle with inductively hardened thread

- Lower power usageEnormous time and cost saving
- · Special tool steel
- In durable plastic storage case

Application range: Cylinder liner on MAN, Mercedes etc.









Ø 60 - 160 mm

460.0830

CYLINDER LINER EXTRACTOR SET

- · Ideal for removing of cylinder liner in commercial vehicles and industrial bearing
- Outriggers suitable especially for large cylinder liners and bearings
- suitable for cylinder liners with inner-Ø 119 136.5 mm
- Optimum fit of the internal extractor for different vehicle manufacturers
 Extremely robust spindle with inductively hardened thread
- Lower power usage
- . Enormous time and cost saving
- In durable steel storage case

Application range: Cylinder liners on Fuso 3.5t, 15t, 330, Hino 750, Scania 310, Volvo FL10, FM12, DAF





460.3975

14

pcs

GUIDE SCREWS FRONT COVER FOR VOLVO

- · Hexagon socket
- · ideal for mounting and dismounting the spur
- gear cover

 time- and cost-efficient
- Special tool steel

Application range: Volvo D12



460.3775

NUT WRENCH WITH 4 PINS FOR VOLVO

- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit Special profile with 4 internal studs
- Extremely robust versionSuitable for high tightening and loosening torque
- Special tool steel

Application range: Volvo spur gear drive





D1	D2	D3	Height	Number of studs	B
mm	mm	mm	mm		mm
113,0	98,0	89,0	60,0	4	7,5







3

460.3970

MOUNTING AID KIT FOR TIMING COVER FOR VOLVO

- ideal for professional installation of the timing gear cover
- time- and cost-efficient
 Special tool steel



VOLVO INJECTOR EXTRACTOR WITH 0.9 KG IMPACT WEIGHT

Sturdy design

460.1090

- For the extraction of the firmly burned injectors in the cylinder head
 Enables short and intensive impact through impact weight
- Cylinder head does not work against the thrust bearing
 Avoids tilting of the injectors
- Short design for hard-to-reach areas
- Includes impact weight, claw and clamping yoke
 Thread on impact extractor 5/16" x 16 mm
- · Special tool steel

Application range: Volvo FM12, FM440, FH500 etc.





ON SERVICE SERVICES	Impact weight in kg	Thread impact weight	Length mm	Replacement- claw	Replacement impact weight	Replacement clamping yoke
M. SERVICE	0,90	M12 x 1,5	470,0	460.1091	460.1092	460.1093

460.0975

INJECTOR SLEEVE SET FOR VOLVO

- Ideal for the assembly and disassembly of injector sleeves
- Sturdy design
 Cylinder head works against the thrust bearing
- Tilting of the injector sleeve is to be avoided
 Short design for hard-to-reach areas
- Special tool steel

Application range: Volvo FM12





3













460.1805

INJECTOR SLEEVE PULLER SET FOR VOLVO

- · Ideal for the assembly and disassembly of injector sleeves
- Sturdy designCylinder head works against the thrust bearing
- Tilting of the injector sleeve is to be avoided
 Short design for hard-to-reach areas

Special tool steel

Application range: Volvo FM12







460.1680

NUT WRENCH WITH 4 PINS FOR SCANIA

- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit
- · Special profile with 4 internal studs
- Extremely robust version
- · Suitable for high tightening and loosening torque

Application range: Auxiliary drive Scania





D1	D2	D3	Number of	B	Height
mm	mm	mm	studs	mm	mm
58,0	53,0	48,0	4	5,0	100,0

460.3785

INJECTOR SETTING TOOLS FOR SCANIA

- For the professional engine repair
- for pump-jet enginesideally suited for adjusting the injection nozzles
- · Very high degree of accuracy

Application range: Scania 12l and 16l engines







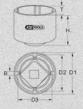
450.0235

NUT WRENCH WITH 4 PINS FOR SCANIA

- With 3/4" square drive to DIN 3121 / ISO 1174
- Suitable for exact torque possibleSpecial profile with 4 internal studs
- Extremly versatile
- · For machinery usage
- Special tool steel

3/4"

Application range: Scania transmission flange shafts on transmission and rear axle (e.g. change fo simmerrings)





D1 mm	D2 mm	D3 mm	Number of studs	B mm	T mm	Height mm
82,0	70,0	64,0	4	7,0	19,0	65,0

460.1515

NUT WRENCH WITH 4 PINS FOR SCANIA

- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit Special profile with 4 internal studs
- Extremely robust versionSuitable for high tightening and loosening torque
- Special tool steel

Application range: Scania 8 gear bus drive



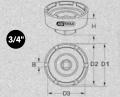
D1 mm	D2 mm	D3 mm	Number of studs	B mm	Height mm
78,0	65,0	58,0	4	7,0	76,0

460.0465

NUT WRENCH WITH 4 PINS FOR SCANIA

- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit Special profile with 4 internal studs
- Extremely robust version
- · Suitable for high tightening and loosening torque

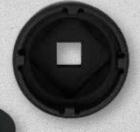
Application range: Scania (310/320/340) Transmission







D1	D2	D3	Number of	B	Height
mm	mm	mm	studs	mm	mm
82,0	70,0	64,0	4	7,0	65,0











460.1590

NUT WRENCH WITH 4 PINS FOR SCANIA

- Internal square drive to DIN 3121 / ISO 1174
- · High accuracy of fit
- · Special profile with 4 internal studs
- Extremely robust version



460.1730

NUT WRENCH FOR SCANIA WITH 4 PINS

- Internal square drive to DIN 3121 / ISO 1174
- · High accuracy of fit
- · Special profile with 4 internal studs
- Extremely robust version
- · Suitable for high tightening and loosening torque



65,0

7,0

D3

450.0237

SIMMERRING INSTALLATION TOOL FOR SCANIA TRANSMISSION + REAR AXLE

- · Washer installation aid for manual use
- For damage free mounting Extremly versatile
- · Special tool steel

Application range: Scania transmission flange shafts on transmission and rear axle (e.g. change for simmerrings part no. 1502384 / 1502385)



460.4045

80.0

GEARBOX OUTPUT SHAFT SEAL MOUNTING TOOL FOR VOLVO (FM)

- · Washer installation aid for manual use
- · For damage free mounting

72,0

- Extremly versatile
- Special tool steel

Application range: Volvo cardan shaft flange on the gearbox

72,6



460.2520

DIFFERENTIAL MAIN SHAFT BEARING PULLER SET FOR SCANIA

- for damage-free removal of the main shaft bearings of the countershaft
- · Extremely sturdy execution
- including 5 pairs of half-shells
- Trapezoid thread spindle for high removal power drive 30 mm

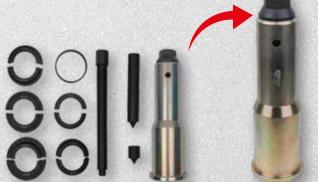


460.0480

PULLER SET FOR ROLLER BEARINGS

- · to remove the roller bearings without damage
- · Extremely sturdy execution
- · in sturdy sheet metal case

Application range: Angular contact roller bearing transmission e.g. ZF12S



Ø 114 - 121 - 130 - 151 - 160 mm



15





2

460.0495

BEARING CUP SUPPLEMENT SET FOR SCANIA, Ø 161 MM

- Supplement to puller set for roller bearings (460.0480)
- to remove the roller bearings without damage
- Special tool steel

Application range: Scania transmission



460.4040

GEARBOX MAIN SHAFT PULLER FOR VOLVO

- for removing the gearbox main shaft bearings without damage
- · for use with a two-arm puller
- · Extremely sturdy execution
- · Special tool steel

Application range: Volvo FM, FH transmission main shaft bearing



460.3950

DIFFERENTIAL MAIN SHAFT BEARING ASSEMBLY TOOL FOR VOVLO

- · Ideally suited for mounting the main shaft bearing
- . Applicable in connection with a workshop press
- Extra heavy and solid execution
 Special tool steel



460.4200

6-SIDED SPECIAL HEXAGONAL WRENCH FOR VOLVO

- · hexagonal special profile
- for mounting and dismounting the gear oil distributor shaft
- · Internal square drive adaptor

Application range: Volvo FH, FM, FMX and NH Series



460.0660

WEAR GAUGE FOR MANUAL TRANSMISSION COUPLINGS FOR VOLVO

- for checking couplings checks the wear of the clutch disc
- no disassembly of the gear unit necessarySpecial tool steel

Application range: Volvo FM12





LEAF SPRING BOLT SOCKET FOR SCANIA

- for mounting and dismounting of leaf spring bolts
- Sturdy design
- · Flat oval form
- · Torque-precise tightening via square socket possible
- · designed for high release and tightening torques · For machinery usage









	Spanner width mm	D mm	T mm	Height mm		
450.0225	28	54,0	12,0	50,0	€	41 , ⁹⁰
450.0226	34	64,0	12,0	50,0	€	53 , ⁵⁰
450.0227	34	64,0	12,0	50,0	€	55, 90





450.0243

LEAF SPRING BOLT SOCKET FOR VOLVO

- for mounting and dismounting of leaf spring bolts
- Sturdy design
- · Flat oval form
- Torque-precise tightening via square socket possible
 designed for high release and tightening torques
- For machinery usage







Spanner width mm	D	T	Height
width mm	mm	mm	mm
28,5	62,0	22,0	60,0



450.0242

LEAF SPRING BOLT SOCKET FOR VOLVO

- for mounting and dismounting of leaf spring bolts
- Sturdy designFlat oval form
- Torque-precise tightening via square socket possible
 designed for high release and tightening torques

- · Special tool steel







6-point mm	D mm	Number of studs	Height mm
27	37,0	2	31,5



440.0620

SPRING BOLT SET FOR SCANIA

- · for mounting and dismounting of leaf spring bolts
- · ideal for rusted or shrunken bolts
- for use with 32 t hydraulic cylinder (440.0025)
- . Use directly at the vehicle possible
- · Secure and easy to use
- Special tool steel

Recommended hydraulic cylinder: 32 t hydraulic cylinder 440.0025

Application range: Scania leaf spring bolts





440.0625

SPRING BOLT SET FOR SCANIA

- · for mounting and dismounting of leaf spring bolts
- ideal for rusted or shrunken bolts
- for use with 45 t hydraulic cylinder (440.0480)
 Use directly at the vehicle possible
- · Secure and easy to use
- Special tool steel

Recommended hydraulic cylinder: 45 t hydraulic cylinder 440.0480

Application range: Scania leaf spring bolts













440.0593

PRESS FRAME CROSSHEAD FOR SCANIA

- for use with spring bolt set for Scania (440.0620 and 440.0625)
- Use directly at the vehicle possible Secure and easy to use
- · Special tool steel

Application range: Scania leaf spring bolts





6





440.0025

PRESSURE AND PULL HYDRAULIC CYLINDER SET 32T

- · Optimal for universal use in car garages
- · Suitable for both pressure and train uses
- · With magnetic centring adapter
- Extremely high and uniform power construction
- · Industrial execution with forged piston
- Pressure of the hydraulic cylinders can be combined with the impact body with impact force during use
 • Universal usage with reduction M10-M22
- Ideally used with transporters and commercial vehiclesWith automatic piston return
- · Special tool steel
- . In durable steel storage case



Technical data:

Capacity: Connection thread:

Cejn quick coupling Piston-inner thread: M24 Outer thread: 2.1/2"

32 t

Stroke 113,0 mm

4

nes

440.0480

PRESSURE AND PULL HYDRAULIC CYLINDER SET

- Optimal for universal use in car garages
- Suitable for both pressure and train usesExtremely high and uniform power construction
- Industrial execution with forged piston
- · Pressure of the hydraulic cylinders can be combined with the impact body with
- With automatic piston return
- Ideally used with transporters and commercial vehicles
- · Special tool steel





Capacity: Connection thread: Piston-inner thread

Cejn quick coupling M27

45 t

Outer thread: 2.1/2" Stroke 70,0 mm



3

pcs

3

440.0060

HYDRAULIC FOOT PUMP SET

- · For simply agent press cylinders
- · Safety valve for overload protection
- With automatic return



440.0055

PNEUMATIC HYDRAULIC PUMP SET

- Pneumatic working
- For simply agent press cylindersSafety valve for overload protection
- · With automatic return
- · Includes hydraulic hose with quick coupling



450.0330

VIBRO-IMPACT UNIVERSAL BALL JOINT PULLER BELL 58 X 115 MM

- High release force due to rotary shock pulse with impact wrench
 Impact screws create pressure and vibration at the same time, through which the secure ball joint connections and quickly and safely removed

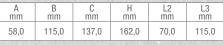
13

- Less space required
- Cast forged execution
- · With inspection panel
- Internal square drive to DIN 3120 / ISO 1174
- · Special tool steel

Application range: e.g. DAF / Scania and other european commercial vehicle







460.1420

HYDRAULIC STEERING COLUMN LEVER PULLER WITH WINDOW FOR SCANIA

- for damage-free disassembly of the steering column lever
- enormous dissolving power through the use of hydraulic cylinders Cap with window for puller for drop arm with large reach
- Simple handlingincluding removable pressure tip
- · Cast forged execution

Recommended hydraulic pump: 640.0020

Application range: Scania (320/340)



naximum clamping	Jaw depth
width mm	mm
58,0	120,0









KINGPIN PRESS 75T WITH SET OF SLEEVES

- Suitable for quick insertion and removal of king pins
- Ideal for cylindrical and conical bolts
 No removal of the axle required
- Press unit is 360° rotatable
 Open width 260 mm

- Swivelling, rotatable and with height adjustment for components that are difficult to access
 Including pneumatic hydraulic foot pump with quick lift, hydraulic cylinder, most common sleeves and pressure pieces
 Secure and easy to use
- Special and compact designtime- and cost-efficient



















0 24 mm

Ø 34 mm

Ø 47 mm

Ø 47 mm

Capacity: 160,0 mm Stroke: Operating pressure max: 700 bar Volume:

Ø 39 mm

Ø 50 mm

Ø 61 mm

Ø 95 mm



TOOLS

3

460.3945

BALL JOINT PUSHER FOR VOLVO

- · Robust model for loosening the track heads and push pole heads
- Optimal placement due to special design
- Trapezoidal threaded spindle with ball bearing pressure ball
- Special tool steel

Application range: Volvo FM12 and FH





460.3960

STABILISER PULLER SET FOR VOLVO

- · For professional disassembly of the front and rear stabilizers
- Drive 19.0mm
- Hardened spindle with ball lock
- Less space required
- Including chain for fixing
- Special tool steel

Application range: Stabilizer Volvo FM12





450.0245

85

AXLE NUT WRENCH FOR VOLVO

• Internal square drive to DIN 3121 / ISO 1174

103,0

35.0

Spindle size

22x112

Spanner width

19

• 6 point

38

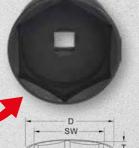
- Slim design
- Sturdy design
- Positive drive of the axle nut
- Any extensive slipping is avoided
- · Milled out profile
- Can be used with an impact wrench or torque wrench
- · Special tool steel

Application range: Axle nut Volvo FH front axle cover, steering pin (e.g. FM 12)



Spanner width mm	D mm	T mm	Height mm
80	100,0	17,0	55,0







450.0241

WHEEL CAP AND AXLE NUT SOCKET

- Internal square drive to DIN 3121 / ISO 1174
- Positive drive of the axle nut
- Any extensive slipping is avoidedMilled out profile
- Sturdy design
- . Can be used with an impact wrench or torque wrench

Application range: e.g. Volvo axle nut / dust grease caps FM and FH VA (450Nm)

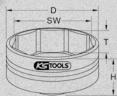








Spanner width mm	D mm	T mm	Height mm
115	138,0	45,0	80,0



460.1625

SPECIAL PULLER SET FOR STEERING BEARINGS

- · ideally suited for dismantling the steering bearing when replacing the seal
- · Spindle suitable for impact wrenches
- High release force due to rotary shock pulse with impact wrench
- Trapezoidal threaded spindle with ball-bearing pressure tip Very robust execution
- In durable steel storage case

Application range: Scania 320 and 340, Volvo FM12 and MAN 414



450.0221

10

AXLE NUT WRENCH FOR SCANIA

- for mounting and dismounting Scania axle nuts
- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fitExtremely robust version
- · Suitable for high tightening and loosening torque
- For machinery usage

Application range: Scania front axle (e.g. 124L / 144L) Series 4 from 1996 for vehicles from 16 t Mounting and dismounting the axle nut in front of the brake disc







460.1365

AXLE NUT WRENCH FOR SCANIA

- for mounting and dismounting Scania axle nuts • Internal square drive to DIN 3121 / ISO 1174
- 8-point
- · High accuracy of fit
- · Extremely robust version
- Suitable for high tightening and loosening torque
- · For machinery usage
- Special tool steel

Application range: Axle nut Scania and Fuso front axle



44399

Spanner width mm	Ø mm	Height mm
80,0	103,0	94,0



460.0425

AXLE NUT WRENCH FOR SCANIA, YORK AND FUSO

- Internal square drive to DIN 3121 / ISO 1174
- 8-point
- · High accuracy of fit
- Extremely robust version
- · Suitable for high tightening and loosening torque

Application range: Scania, York and Fuso 10.5 t



0	Spanner width	Ø	Depth	Height
	mm	mm	mm	mm
L	95,0	117,0	44,0	82,0



450.0220

AXLE NUT WRENCH FOR SCANIA

- · With hexagon drive 41.0mm
- · 8-point
- Positive drive of the axle nut
- · Any extensive slipping is avoided
- Milled out profile
- · Sturdy design · Can be used with an impact wrench or torque wrench
- · Special tool steel

Application range: Scania front axle (e.g. 124L / 144L), Series 4 from 96 for vehicles above 16 t, removal and fitting of the axle nuts in front of the brake disc



mm mm mm mm mm 25,0 105,0 98,0



460.1745

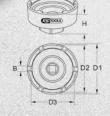
NUT WRENCH WITH 4 PINS FOR SCANIA

- Internal square drive to DIN 3121 / ISO 1174
- · High accuracy of fit
- Special profile with 4 internal studs
- · Extremely robust version
- Suitable for high tightening and loosening torque
- · Special tool steel

Application range: Scania locknut 1338267



D1	D2	D3	Number of	В	Height
mm	mm	mm	studs	mm	mm
87,0	76,0	70,0	4	6,5	145,0



460.1370

AXLE NUT WRENCH FOR SCANIA

- . for mounting and dismounting Scania axle nuts
- Internal square drive to DIN 3121 / ISO 1174
- 8-point
- · High accuracy of fit
- Extremely robust version
 Suitable for high tightening and loosening torque
- For machinery usage
- · Special tool steel

Application range: Removal and installation of the axle nut of **Scania** rear axle



Spanner width mm	Ø mm	Height mm
100,0	123,0	84,0



460.5445

AXLE NUT WRENCH FOR RENAULT

- Internal square drive to DIN 3121 / ISO 1174
- · High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



Spanner width mm	Length mm
77	200,0



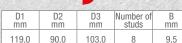
450.0236

8-PIN T-NUTS WRENCH FOR SCANIA

- With 3/4" square drive to DIN 3121 / ISO 1174
- . Special profile with 8 external stude · Positive drive of the axle nut
- Any extensive slipping is avoided
- · Milled out profile
- Sturdy design . Can be used with an impact wrench or torque wrench
- Special tool steel

Application range: Scania 420 (heavy duty tipper axis) removal and stallation of the mounting nut on the axle bearing







460.5455

AXLE NUT WRENCH FOR RENAULT AND IVECO

- Internal square drive to DIN 3121 / ISO 1174
- · High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel











AXLE NUT WRENCH WITH GUIDE TUBE FOR VOLVO

- Internal square drive to DIN 3121 / ISO 1174
- · 6 point
- · Extra long execution
- High accuracy of fit
- · Extremely robust version
- Suitable for high tightening and loosening torque
- · Special tool steel

Application range: Volvo FH rear axle

	Spanner width mm	External Ø mm	Locating tube Ø mm	Height mm	Depth mm		
460.1415	95,0	125,0	60,0	350,0	40,0	€	393 ,90
460.0680	105,0	135,0	60,0	355,0	40,0	€	430,50



440.0490

PULLER SET FOR HUB WITHOUT WHEEL STUD RIM FOR 32 T

- . for the effective pressing out of firmly rusted bearings with external hubs of straight shafts
- · Minimum work time
- Secure and easy to use
- · Special tool steel

Recommended hydraulic cylinder: 32 t (440.0025)

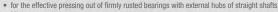
Application range: Mercedes Atego, Actros, **MAN** TGA, TGS, TGX, **Volvo** FL, **Renault** Kerax, Magnum, Midlum, Premium and all brands with the same bolt arrangement





440.0615

PULLER SET FOR HUB WITHOUT WHEEL STUD RIM FOR 45 T



- · Minimum work time
- Special tool steel

Recommended hydraulic cylinder: 45t (440.0480)

Application range: Mercedes Atego, Actros; MAN TGA, TGS, TGX; Volvo FL; Renault Kerax, Magnum, Midlum, Premium and all brands with the same bolt arrangement



3

pcs

440.0025

PRESSURE AND PULL HYDRAULIC CYLINDER SET 32T

- · Optimal for universal use in car garages
- Suitable for both pressure and train uses
- With magnetic centring adapter
 Extremely high and uniform power construction

- Industrial execution with forged piston
 Pressure of the hydraulic cylinders can be combined with the impact body with impact force during use
- Universal usage with reduction M10-M22
 Ideally used with transporters and commercial vehicles
- · With automatic piston return · Special tool steel
- In durable steel storage case



Technical data:

Capacity: Connection thread: Cejn quick coupling Piston-inner thread: M24

Outer thread: 2.1/2" Stroke: 113,0 mm



3

pcs







4

pcs





440.0480

PRESSURE AND PULL HYDRAULIC CYLINDER SET 45T

- Optimal for universal use in car garages Suitable for both pressure and train uses
- Extremely high and uniform power construction
 Industrial execution with forged piston
- · Pressure of the hydraulic cylinders can be combined with the impact body with impact force during us
- With automatic piston return

· Ideally used with transporters and commercial vehicles

· Special tool steel



Capacity:

45 t Connection thread: Cejn quick coupling Piston-inner thread: M27 Outer thread: 2.1/2"

Stroke 70,0 mm



440.0060

HYDRAULIC FOOT PUMP SET

- · For simply agent press cylinders Safety valve for overload protection
- With automatic return
- · Includes hydraulic hose with quick coupling

Quick coupling drip free!





440.0055

PNEUMATIC HYDRAULIC PUMP SET

- Pneumatic working
- For simply agent press cylindersSafety valve for overload protection
- · Includes hydraulic hose with quick coupling











Our commercial vehicle special catalogues





STOOLS

460.1080

WHEEL HUB PULLER FOR SCANIA

- · With pressure plate for support
- Sturdy design
- Trapezoid thread spindle for high removal power drive 30 mm

Application range: Scania (310 / 320) rear axle wheel hub









460.4135

WHEEL BEARING MOUNTING KIT FOR SCANIA

- For mounting the inner wheel bearing on the rear axle
- Extra heavy and solid execution
- Including adapter ring
- · Special tool steel









460.4130

WHEEL BEARING PULLER SET FOR SCANIA

- ideally suited for removing stuck wheel bearings
- · Sturdy design
- Threaded spindle for high pull-off force 30.0 mm drive
- · Special tool steel

Application range: Scania rear axle







460.4005

WHEEL BEARING INSTALLATION AID FOR VOLVO

- Ideally suited for mounting the wheel bearing and the sealing ring on the lift axle
 Facilitates installation due to constant force
- · time- and cost-efficient
- · Special tool steel





460.4000

WHEEL BEARING INSTALLATION AID FOR VOLVO

- Ideally suited for mounting the wheel bearing and the sealing ring on the front axle
 Facilitates installation due to constant force
- · time- and cost-efficient
- · Special tool steel

D1 mm

61,0





68,0

U	T	Œ	
D2 mm	D3 mm	H1 mm	H2 mm

21,0

34,0

124,0

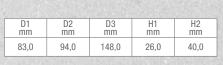


460.3995

WHEEL BEARING INSTALLATION AID FOR VOLVO

- Ideally suited for mounting the wheel bearing and the sealing ring on the rear axle
- Facilitates installation due to constant force
- time- and cost-efficientSpecial tool steel

Application range: Volvo FM









460.1705

SLOT BUSHING TOOL SET FOR SILENT BEARING SLOT BUSHES

- Suitable for the installation and removal of the bearing bushes in commercial vehicle spring suspension
- The slotted bushes can be effortlessly preloaded using the clamping block and the accompanying half shells and thus adjusted to the installation dimensions
 Includes 12 t hydraulic cylinder, especially in the construction of fixed bushes
 The hydraulic cylinder is made for universal usage

- Supplied without hydraulic pump
 Optional: Hand pump 640.0010
- Optional: Air Hydraulic Pump 640.0020
 Optional: Electric Hydraulic Pump 640.0030
- Special installation method that protects the bush via parallel working tensioning elements
 The function of the bearing bush is retained
- Simple handling and quick assembly times
- Safe working
- Suitable for bush change directly on the vehicle

Ø 51 mm - Volvo FM12 Ø 60 mm - DB / Renault (430/450/460) Ø 68 mm - MAN-TGA (140/414/460) front axle spring ROR, SAF



Ø 68 mm MAN-TGA (410/414/460)



Ø 51 mm VOLVO(FM12)









1947,50 €









640.0010

HYDRAULIC HAND PUMP

- Single stage
- Reverse valve for advance and return stroke
- Safety valve for overload protection
- . Includes pressure tube 1.8 meters







640.0020

PNEUMATIC HYDRAULIC PUMP

- Pneumatic working
- For simply agent press cylinders
- Safety valve for overload protection
 Includes pressure tube 1.8 meters
- Usable tank volume 2081cm³ = 2.081l
- Operating pressure max. 700 bar
- Output per stroke:
- 0.8 l/min up to 200 bar 0.1 l/min up to 700 bar





Connection thread	Length	Width	H
	mm	mm	mm
3/8" - 18 NPT	255	130	200

640.0030

ELECTRIC HYDRAULIC PUMP

- Two stepped for simply agent press cylinders
- · Safety valve for overload protection • Usable tank volume 1900 cm³ = 1.9l
- Includes pressure tube 1.8 meters
 Motor specification 0.37kW 220/230 V 50/60 hertz, single phase (3.2 amps)
- 2. Step: max. 700 bar • Output per stroke:
- 1. Step: 3.31 I/min
- 2. Step: 0.32 l/ min









pcs





8

460.3905

DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR SCANIA

- For damage-free removal of the main shaft bearings of the differential
- Extremely sturdy executionIncluding 2 half-shell pairs
- Trapezoid thread spindle for high removal power drive 30 mm
- · Special tool steel

Application range: Scania (113/114) and MAN (410/414)



460.3910

DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR VOLVO

- For damage-free removal of the main shaft bearings of the differential
- Extremely sturdy executionIncluding 2 half-shell pairs
- Trapezoid thread spindle for high removal power drive 30 mm
- · Special tool steel

Application range: Volvo (FM12)



460.4360

DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR VOLVO

- For damage-free removal of the main shaft bearings of the differential

- Including 3 half-shell pairs
 Trapezoid thread spindle for high removal power drive 30 mm
- Special tool steel

Application range: Volvo FM12 (EV90/EV91)















460.1050

LIFTING CYLINDER TOOL SET

- for mounting and dismounting the oil seal on the hydraulic lifting cylinder
- Internal square drive to DIN 3121 / ISO 1174
- · Extremely sturdy execution
- For machinery usage
- · Special tool steel

Application range: Volvo FM12 >2005 Lifting cylinder tandem axle lifter







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

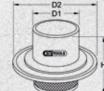
Application range: Volvo FM





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





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
- Suitable for narrow spaces
- · Special tool steel











460.0970

BRAKE CALIPER SOCKET FOR RENAULT/SCANIA/VOLVO

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







Ø	Length
mm	mm
19,0	26,0



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 openingSturdy design
- · Special tool steel











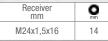


430.0601

OIL DRAIN PLUG M24 X 1.5 X 16 MM FOR RENAULT

- · Hexagon socket
- With washer









430.0602

OIL DRAIN PLUG M22 X 1.5 X 13 MM FOR RENAULT

- Hexagon socket
- · With washer







430.0603

OIL DRAIN PLUG M16 X 1.5 X 15.5 MM FOR RENAULT

- · Internal square
- With washer



Receiver mm	O
M16x1,5x15	,5 8





430.0604

Receiver

mm

M22x1,5x13

OIL DRAIN PLUG M24 X 1.5 X 18 MM FOR RENAULT

- Hexagon socket
- With washer



Receiver mm	0
M24x1,5x18	12





4	3	0.	N	٦ſ	16	ì
	·	v.	u	v	•	/

OIL DRAIN PLUG M24 X 2 X 56 MM FOR SCANIA

- Hexagon socket
- · With washer



Receiver mm	O
M24x2x56	19



430.0607

OIL DRAIN PLUG M24 X 1.5 X 23 MM FOR VOLVO

- External hexagon
- · With washer









430.0608

OIL DRAIN PLUG M24 X 1.5 X 27 MM FOR VOLVO

- Hexagon socket
- with sealing surface



Receiver	0
	mm
M24x1,5x27	12





430.0609

OIL DRAIN PLUG M26 X 1.5 X 31 MM FOR VOLVO

- · Hexagon socket
- with sealing surface



Receiver mm	0
M26x1,5x31	12





460.1190

OIL FILTER WRENCH Ø 107.0 MM / 15 GROOVES

- For the quick and professional installation and dismantling of the oil filter cover when changing the oil filter
- Use according to the manufacturer's specification for torque
- Suitable for left and right side operation
 Internal square drive to DIN 3120 ISO 1174

Application range: Volvo









HUB NUT CENTERING AND PROTECTING SLEEVES SET

- For fast disassembly and assembly of truck tyres
- To fix the brake drum
- No slipping while the disassembly and assembly · Protects hub nut threads
- . Exact centering of the wheel to hub nut

Application: DAF, Unimog, Iveco, MAN, Renault, Volvo



OLUMBA .			Content	Rim hole Ø mm	Length mm	Jaw open- ing inche	Spanner width mm		
	450.0372	M18x1,5	3	21,0	100,0	1/2"		€	68 , ⁵⁰
Section 1	450.0373	M18x1,5	3	24,0	100,0	1/2"		€	70, 90
	450.0375	M20x1,5	3	26,0	100,0	1/2"		€	71 , ⁹⁰
	450.0370	M22x1,5	2	26,0	145,0		19,0	€	93 , ⁵⁰
	450.0371	M7/8"x11G	2	26,0	145,0		19,0	€	93 , ⁵⁰
Ì	450.0377	M7/8"x11G	3	30,0	100,0	1/2"		€	75 , ⁹⁰

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