



PREMIUM-WERKZEUGE



PREMIUM TOOLS



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# AXLES - SPECIAL TOOLS





## 450.0210

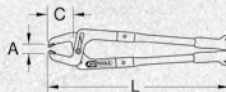
### GREASE CAP PLIERS

- Hard rubber handle
- For the damage free drawing off of grease caps
- 2x6 moveable adjustable steps
- Wedge shaped jaw profile
- Head burnished
- Special tool steel



**127,<sup>50</sup> €**

A mm	C mm	Length mm
0-100	85,0	500,0



## 450.0180

### VARIO NUT AND CAP KEY SET

- For the dismantling and assembly of vario nuts
- Suitable for exact torque with a 3/4" square drive
- Certain stop through clamping screws and adapter guides on the basic device
- Hole separation maximum 145 mm
- Slim design
- Suitable for narrow spaces
- Ideally suited for special nuts and caps
- Special tool steel

**13 pcs**

**3/4"**

**200,<sup>50</sup> €**

Application range: 6 point-, 8 point-, nuts- and round nuts



**418,<sup>50</sup> €**

## 450.0190

### VARIO NUT AND CAP KEY SET, HEAVY DUTY

- Extra heavy execution
- For the dismantling and assembly of vario nuts
- Suitable for exact torque with a 3/4" square drive
- Certain stop through clamping screws and adapter guides on the basic device
- Hole separation maximum 145 mm
- Includes clamping chain
- Slim design
- Suitable for narrow spaces
- Ideally suited for special nuts and caps
- Special tool steel

**14 pcs**

Application range: 6 point-, 8 point-, Nuts- and round nuts.



**529,<sup>90</sup> €**

## 450.0241

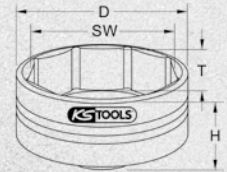
### WHEEL CAP AND AXLE NUT SOCKET

- Internal square drive to DIN 3121 / ISO 1174
- 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: e.g. Volvo axle nut / dust grease caps FM and FH VA (450Nm)

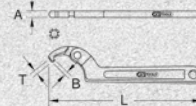


Spanner width mm	D mm	T mm	Height mm
115	138,0	45,0	80,0



### HOOK WRENCH WITH NOSE

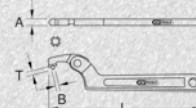
- In accordance to DIN 1810 Form A
- With flexible head
- With hanging hole
- For slotted nuts
- Matt finish
- Chrome vanadium



	Spanner width mm	Jaw opening inche	A mm	B mm	L mm	T mm	
<b>517.1302</b>	19-50	3/4-2	9,0	3,5	162,0	2,9	€ 21, <sup>50</sup>
<b>517.1303</b>	32-76	1.1/4-3	11,5	4,5	205,0	3,7	€ 34, <sup>50</sup>
<b>517.1304</b>	50-120	2-4.3/4	12,4	6,5	295,0	4,6	€ 46, <sup>50</sup>
<b>517.1305</b>	114-158	4.1/2-6.1/4	12,4	9,8	315,0	8,3	€ 60, <sup>90</sup>

### FLEXIBLE HOOK WRENCH WITH PIN

- In accordance to DIN 1810 Form B
- With flexible head
- With hanging hole
- For pin type round nuts
- Matt finish
- Chrome vanadium



	Spanner width mm	Jaw opening inche	A mm	B mm	L mm	T mm	
<b>517.1312</b>	19-50	3/4-2	9,2	4,0	165,0	4,0	€ 27, <sup>90</sup>
<b>517.1313</b>	32-76	1.1/4-3	11,3	5,0	210,0	4,7	€ 39, <sup>50</sup>
<b>517.1314</b>	50-120	2-4.3/4	12,5	6,0	295,0	5,5	€ 52, <sup>50</sup>
<b>517.1315</b>	114-158	4.1/2-6.1/4	12,6	8,0	320,0	7,6	€ 66, <sup>50</sup>

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## HEXAGON IMPACT SOCKET

- 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



	Spanner width mm	Jaw opening inche	L mm	D1 mm	D2 mm	T mm	
<b>515.1750</b>	50,0		74,0	74,0	54,0	26,0	€ 39, <sup>50</sup>
<b>515.1755</b>	55,0		85,0	81,0	54,0	28,0	€ 52, <sup>50</sup>

	Spanner width mm	Jaw opening inche	L mm	D1 mm	D2 mm	T mm	
<b>515.1760</b>	60,0		89,0	87,0	54,0	31,0	€ 66, <sup>50</sup>
<b>515.1765</b>	65,0		93,0	93,0	54,0	32,0	€ 79, <sup>50</sup>
<b>515.1770</b>	70,0		98,0	99,0	54,0	35,0	€ 90, <sup>90</sup>
<b>515.1775</b>	75,0		100,0	106,0	86,0	40,0	€ 112, <sup>50</sup>
<b>515.1780</b>	80,0		100,0	112,0	86,0	47,0	€ 145, <sup>50</sup>
<b>515.1785</b>	85,0		102,0	119,0	86,0	47,0	€ 187, <sup>50</sup>
<b>515.1790</b>	90,0		107,0	124,0	86,0	47,0	€ 223, <sup>90</sup>
<b>515.1795</b>	95,0		107,0	131,0	86,0	50,0	€ 296, <sup>50</sup>
<b>515.1891</b>		1	58,0	42,0	51,0	14,0	€ 21, <sup>50</sup>
<b>515.1892</b>		1.1/4	60,0	51,0	51,0	16,0	€ 21, <sup>50</sup>
<b>515.1893</b>		1.7/16	62,0	56,0	52,0	20,0	€ 27, <sup>90</sup>
<b>515.1894</b>		1.1/2	62,0	58,0	52,0	22,0	€ 27, <sup>90</sup>
<b>515.1895</b>		1.5/8	62,0	62,0	52,0	22,0	€ 34, <sup>50</sup>
<b>515.1896</b>		1.13/16	64,0	68,0	58,0	23,0	€ 34, <sup>50</sup>
<b>515.1897</b>		1.7/8	66,0	70,0	58,0	24,0	€ 39, <sup>50</sup>
<b>515.1898</b>		2.1/4	75,0	84,0	62,0	30,0	€ 52, <sup>50</sup>

## AXLE NUT WRENCH, LONG

- Internal square
- 8-point
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



	Spanner width mm	Length mm	
<b>460.5323</b>	80	205,0	€ 187, <sup>50</sup>
<b>460.5327</b>	100	205,0	€ 266, <sup>50</sup>
<b>460.5330</b>	115	205,0	€ 296, <sup>50</sup>

## AXLE NUT SOCKET, SHORT

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



	Spanner width mm	D mm	Height mm	T mm	
<b>460.0050</b>	70	95,0	70,0	40,0	€ 118, <sup>90</sup>
<b>460.0055</b>	75	98,0	70,0	40,0	€ 127, <sup>50</sup>
<b>460.0060</b>	80	104,0	70,0	40,0	€ 145, <sup>50</sup>
<b>460.0065</b>	85	112,0	70,0	40,0	€ 145, <sup>50</sup>
<b>460.0070</b>	90	116,0	70,0	40,0	€ 151, <sup>90</sup>

	Spanner width mm	D mm	Height mm	T mm	
<b>460.0075</b>	95	122,0	70,0	40,0	€ 169, <sup>50</sup>
<b>460.0080</b>	100	128,0	71,0	40,0	€ 223, <sup>90</sup>
<b>460.0085</b>	105	140,0	71,0	40,0	€ 230, <sup>50</sup>
<b>460.0090</b>	110	147,0	71,0	40,0	€ 241, <sup>90</sup>
<b>460.0095</b>	115	153,0	71,0	40,0	€ 241, <sup>90</sup>
<b>460.0105</b>	120	157,0	71,0	40,0	€ 260, <sup>50</sup>
<b>460.0110</b>	125	165,0	71,0	40,0	€ 296, <sup>50</sup>
<b>460.0115</b>	130	170,0	71,0	40,0	€ 296, <sup>50</sup>
<b>460.0120</b>	135	175,0	71,0	40,0	€ 320, <sup>90</sup>
<b>460.0125</b>	140	180,0	71,0	40,0	€ 320, <sup>90</sup>
<b>460.0130</b>	145	187,0	71,0	40,0	€ 357, <sup>50</sup>
<b>460.0135</b>	150	195,0	71,0	40,0	€ 357, <sup>50</sup>
<b>460.0140</b>	155	203,0	71,0	40,0	€ 381, <sup>90</sup>
<b>460.0145</b>	160	210,0	71,0	40,0	€ 405, <sup>50</sup>
<b>460.0150</b>	165	215,0	71,0	40,0	€ 418, <sup>50</sup>
<b>460.0155</b>	170	220,0	71,0	40,0	€ 436, <sup>50</sup>
<b>460.0160</b>	175	225,0	71,0	40,0	€ 454, <sup>90</sup>
<b>460.0165</b>	180	230,0	71,0	40,0	€ 466, <sup>50</sup>
<b>460.0170</b>	185	235,0	71,0	40,0	€ 496, <sup>50</sup>
<b>460.0175</b>	190	243,0	71,0	40,0	€ 563, <sup>90</sup>
<b>460.0180</b>	195	247,0	71,0	40,0	€ 563, <sup>90</sup>
<b>460.0185</b>	200	254,0	71,0	40,0	€ 563, <sup>90</sup>

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## AXLE NUT SOCKET, SHORT

- 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



	Spanner width mm	Ø mm	Height mm	Depth mm	
<b>460.3320</b>	110	137,0	77,0	40,0	€ 218, <sup>50</sup>
<b>460.3325</b>	115	143,0	77,0	40,0	€ 223, <sup>90</sup>
<b>460.3330</b>	120	143,0	77,0	40,0	€ 248, <sup>50</sup>
<b>460.3335</b>	125	153,0	77,0	40,0	€ 339, <sup>50</sup>
<b>460.3340</b>	130	158,0	77,0	40,0	€ 357, <sup>50</sup>
<b>460.3345</b>	135	162,0	77,0	40,0	€ 363, <sup>90</sup>
<b>460.3350</b>	140	167,0	84,0	40,0	€ 387, <sup>50</sup>
<b>460.3355</b>	145	172,0	84,0	40,0	€ 387, <sup>50</sup>
<b>460.3360</b>	150	178,0	84,0	40,0	€ 418, <sup>50</sup>
<b>460.3365</b>	155	183,0	84,0	40,0	€ 436, <sup>50</sup>
<b>460.3370</b>	160	190,0	84,0	40,0	€ 460, <sup>50</sup>
<b>460.3375</b>	165	194,0	84,0	40,0	€ 472, <sup>90</sup>
<b>460.3380</b>	170	200,0	84,0	40,0	€ 496, <sup>50</sup>
<b>460.3385</b>	175	205,0	84,0	40,0	€ 527, <sup>50</sup>
<b>460.3390</b>	180	212,0	88,0	40,0	€ 527, <sup>50</sup>
<b>460.3395</b>	185	216,0	84,0	40,0	€ 539, <sup>50</sup>
<b>460.3400</b>	190	221,0	84,0	40,0	€ 557, <sup>50</sup>
<b>460.3405</b>	195	227,0	84,0	40,0	€ 563, <sup>90</sup>
<b>460.3410</b>	200	230,0	81,0	40,0	€ 575, <sup>90</sup>

	Spanner width mm	Ø mm	Height mm	Depth mm	
<b>460.3415</b>	70	90,0	77,0	40,0	€ 151, <sup>90</sup>
<b>460.3420</b>	75	95,0	77,0	40,0	€ 151, <sup>90</sup>
<b>460.3425</b>	80	103,0	81,0	40,0	€ 157, <sup>50</sup>
<b>460.3430</b>	85	104,0	72,5	40,0	€ 169, <sup>50</sup>
<b>460.3435</b>	90	112,0	84,0	40,0	€ 170, <sup>50</sup>
<b>460.3440</b>	95	114,0	84,0	40,0	€ 187, <sup>50</sup>
<b>460.3310</b>	100	127,0	77,0	40,0	€ 193, <sup>90</sup>
<b>460.3315</b>	105	127,0	84,0	40,0	€ 205, <sup>50</sup>

## AXLE NUT SOCKET WITH GUIDE BAND

- Internal square drive to DIN 3121 / ISO 1174
- 12 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Special tool steel



	Spanner width mm	Ø mm	Height mm	
<b>460.4220</b>	80	107,0	90,0	€ 157, <sup>50</sup>
<b>460.4225</b>	85	114,0	90,0	€ 170, <sup>50</sup>
<b>460.4230</b>	90	119,0	90,0	€ 187, <sup>50</sup>
<b>460.4235</b>	95	125,0	90,0	€ 193, <sup>90</sup>
<b>460.4240</b>	100	131,0	90,0	€ 205, <sup>50</sup>
<b>460.4245</b>	105	137,0	90,0	€ 218, <sup>50</sup>
<b>460.4250</b>	110	142,0	90,0	€ 230, <sup>50</sup>
<b>460.4255</b>	115	148,0	90,0	€ 241, <sup>90</sup>
<b>460.4260</b>	120	154,0	90,0	€ 266, <sup>50</sup>

## AXLE NUT WRENCH, LONG

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



	Spanner width mm	Ø mm	Height mm	Depth mm	
<b>460.0005</b>	30	45,0	90,0	40,0	€ 27, <sup>90</sup>
<b>460.0010</b>	32	48,0	90,0	40,0	€ 27, <sup>90</sup>
<b>460.0015</b>	33	49,0	90,0	40,0	€ 27, <sup>90</sup>
<b>460.0020</b>	34	50,0	90,0	40,0	€ 27, <sup>90</sup>
<b>460.0025</b>	35	51,0	90,0	40,0	€ 34, <sup>50</sup>
<b>460.0030</b>	36	53,0	90,0	40,0	€ 34, <sup>50</sup>
<b>460.0035</b>	38	55,0	90,0	40,0	€ 34, <sup>50</sup>
<b>460.0040</b>	41	59,0	90,0	40,0	€ 39, <sup>50</sup>
<b>460.0045</b>	46	64,0	90,0	40,0	€ 39, <sup>50</sup>

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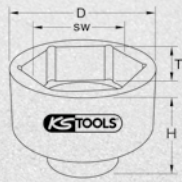


## AXLE NUT SOCKET, SHORT

- 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



3/4"



	Spanner width mm	Ø mm	Height mm	Depth mm	
<b>460.2755</b>	70	90,0	77,0	40,0	€ 151, <sup>90</sup>
<b>460.2760</b>	75	95,0	77,0	40,0	€ 151, <sup>90</sup>
<b>460.2765</b>	80	99,0	73,0	40,0	€ 157, <sup>50</sup>
<b>460.2770</b>	85	104,0	73,0	40,0	€ 193, <sup>90</sup>
<b>460.2775</b>	90	112,0	77,0	40,0	€ 200, <sup>50</sup>
<b>460.2780</b>	95	115,0	73,0	40,0	€ 205, <sup>50</sup>

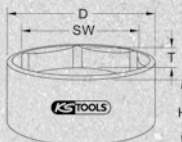
	Spanner width mm	Ø mm	Height mm	Depth mm	
<b>460.2650</b>	100	127,0	77,0	40,0	€ 205, <sup>50</sup>
<b>460.2655</b>	105	132,0	77,0	40,0	€ 211, <sup>90</sup>
<b>460.2660</b>	110	141,0	73,0	40,0	€ 266, <sup>50</sup>
<b>460.2665</b>	115	146,0	73,0	40,0	€ 278, <sup>50</sup>
<b>460.2670</b>	120	143,0	73,0	40,0	€ 296, <sup>50</sup>
<b>460.2675</b>	125	153,0	77,0	40,0	€ 357, <sup>50</sup>
<b>460.2680</b>	130	158,0	77,0	40,0	€ 357, <sup>50</sup>
<b>460.2685</b>	135	168,0	73,0	40,0	€ 357, <sup>50</sup>
<b>460.2690</b>	140	173,0	73,0	40,0	€ 375, <sup>50</sup>
<b>460.2695</b>	145	178,0	73,0	40,0	€ 381, <sup>90</sup>
<b>460.2700</b>	150	184,0	73,0	40,0	€ 405, <sup>50</sup>
<b>460.2705</b>	155	189,0	73,0	40,0	€ 430, <sup>50</sup>
<b>460.2710</b>	160	194,0	73,0	40,0	€ 454, <sup>90</sup>
<b>460.2715</b>	165	199,0	73,0	40,0	€ 472, <sup>90</sup>
<b>460.2720</b>	170	205,0	73,0	40,0	€ 484, <sup>90</sup>
<b>460.2725</b>	175	210,0	73,0	40,0	€ 509, <sup>50</sup>
<b>460.2730</b>	180	215,0	73,0	40,0	€ 514, <sup>90</sup>
<b>460.2735</b>	185	221,0	73,0	40,0	€ 527, <sup>50</sup>
<b>460.2740</b>	190	226,0	73,0	40,0	€ 557, <sup>50</sup>
<b>460.2745</b>	195	232,0	73,0	40,0	€ 587, <sup>50</sup>
<b>460.2750</b>	200	237,0	73,0	40,0	€ 612, <sup>50</sup>

## AXLE NUT SOCKET, SHORT

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



1"



	Spanner width mm	Ø mm	Height mm	Depth mm	
<b>460.0205</b>	70	95,0	71,0	40,0	€ 118, <sup>90</sup>
<b>460.0215</b>	75	98,0	71,0	40,0	€ 127, <sup>50</sup>
<b>460.0220</b>	80	104,0	71,0	40,0	€ 139, <sup>50</sup>
<b>460.0225</b>	85	111,0	71,0	40,0	€ 145, <sup>50</sup>
<b>460.0230</b>	90	116,0	71,0	40,0	€ 151, <sup>90</sup>
<b>460.0235</b>	95	122,0	71,0	40,0	€ 169, <sup>50</sup>

	Spanner width mm	Ø mm	Height mm	Depth mm	
<b>460.0240</b>	100	137,0	71,0	40,0	€ 181, <sup>90</sup>
<b>460.0245</b>	105	142,0	71,0	40,0	€ 187, <sup>50</sup>
<b>460.0250</b>	110	148,0	71,0	40,0	€ 200, <sup>50</sup>
<b>460.0255</b>	115	154,0	71,0	41,0	€ 223, <sup>90</sup>
<b>460.0260</b>	120	158,0	71,0	41,0	€ 248, <sup>50</sup>
<b>460.0265</b>	125	165,0	71,0	41,0	€ 309, <sup>50</sup>
<b>460.0270</b>	130	170,0	71,0	41,0	€ 309, <sup>50</sup>
<b>460.0275</b>	135	175,0	71,0	41,0	€ 320, <sup>90</sup>
<b>460.0280</b>	140	180,0	71,0	40,0	€ 320, <sup>90</sup>
<b>460.0285</b>	145	178,0	71,0	40,0	€ 357, <sup>50</sup>
<b>460.0290</b>	150	195,0	71,0	41,0	€ 357, <sup>50</sup>
<b>460.0295</b>	155	200,0	71,0	41,0	€ 387, <sup>50</sup>
<b>460.0305</b>	160	210,0	71,0	41,0	€ 405, <sup>50</sup>
<b>460.0310</b>	165	200,0	71,0	41,0	€ 436, <sup>50</sup>
<b>460.0315</b>	170	220,0	71,0	41,0	€ 448, <sup>50</sup>
<b>460.0320</b>	175	225,0	71,0	41,0	€ 460, <sup>50</sup>
<b>460.0325</b>	180	230,0	71,0	41,0	€ 478, <sup>50</sup>
<b>460.0330</b>	185	238,0	71,0	41,0	€ 514, <sup>90</sup>
<b>460.0335</b>	190	245,0	71,0	41,0	€ 527, <sup>50</sup>
<b>460.0340</b>	195	250,0	71,0	41,0	€ 557, <sup>50</sup>
<b>460.0345</b>	200	255,0	71,0	41,0	€ 587, <sup>50</sup>

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## 460.4190

### AXLE NUT SOCKET FOR DAF

- Internal square drive to DIN 3121 / ISO 1174
- 6 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Chrome molybdenum

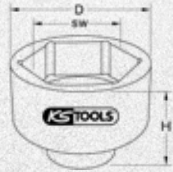
Application range: DAF (CF) EURO 5 drive axle nut



1"

**278,<sup>50</sup> €**

Spanner width mm	D mm	Height mm
120,0	158,0	106,0

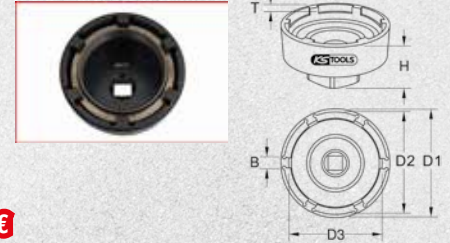


## 460.3730

### WRENCH WITH 6 PINS FOR DAF

- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit
- Special profile with 6 internal studs
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: DAF LF45 rear axle



3/4"

**157,<sup>50</sup> €**

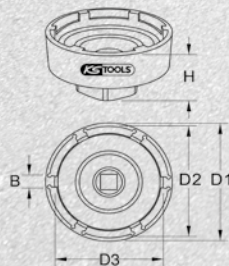
H mm	D1 mm	D2 mm	D3 mm	Number of studs	B mm	T mm
87,0	109,0	98,0	86,0	6	10,5	20,0

## 460.1085

### WRENCH WITH 6 PINS FOR DAF

- Internal square drive to DIN 3121 / ISO 1174
- High accuracy of fit
- Special profile with 6 internal studs
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: DAF CF85 transmission (EURO 4 and EURO 5)



3/4"

**115,<sup>50</sup> €**

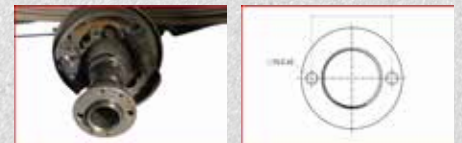
Height mm	D1 mm	D2 mm	D3 mm	Number of studs	B mm
55,0	91,0	74,0	66,0	6	6,7

## 460.4450

### AXLE NUT WRENCH WITH 2 PINS FOR FUSO

- Internal square drive to DIN 3121 / ISO 1174
- with 2 external pins, Ø 9.5 mm
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: IsuzuFuso Canter 3.5 tons



1/2"

**88,<sup>90</sup> €**

Ø mm	Number of studs	Internal stud Ø mm	Length mm
86	2	9,5	68,0

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## 460.4295

### AXLE NUT WRENCH WITH 2 PINS FOR FUSO

- Internal square drive to DIN 3121 / ISO 1174
- with 2 external pins, Ø 9.5 mm
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Fuso Canter 3.5 tons, Isuzu 7.5 tons



1/2"

# 112,50 €

Ø mm	Number of studs	Internal stud Ø mm	Length mm
100	2	9,5	68,0

## 460.4385

### AXLE NUT WRENCH FOR FUSO REAR AXLE

- quick-action pin drive
- 8-point
- Extra long execution
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



# 441,90 €

Spanner width mm	Ø mm	Height mm
120	142	360,0

## 450.0230

### AXLE NUT WRENCH FOR HINO

- For the dismantling and assembly of HINO axle nuts
- For 11.9 t axles
- 8-point
- Extremely versatile
- Suitable for exact torque with a 3/4" square drive
- For machinery usage
- Special tool steel



3/4"

# 248,50 €

Spanner width mm	Ø mm	Height mm
105,0	125,0	85,0

## 460.4170

### AXLE NUT IMPACT SOCKET FOR IVECO

- Internal square drive to DIN 3121 / ISO 1174
- 12 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Special tool steel



1"

# 139,50 €

Spanner width mm	Ø mm	Height mm
85,0	83,0	58,0



## 460.5333

### AXLE NUT WRENCH FOR IVECO

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

Application range: Iveco Euro Cargo HA



3/4"

# 223,90 €

Spanner width mm	Ø mm	Height mm
90	117	69,0

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## 460.1040

### AXLE NUT WRENCH FOR IVECO

- Six sided drive 36 mm
- 6 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Special tool steel

Application range: Iveco Euro Cargo



3/4"

**218,50 €**

Spanner width mm	External hexagon drive in mm	Ø mm	Height mm
98,0	36	122,0	115,0

## 450.0203

### AXLE NUT WRENCH FOR IVECO WITH GUIDE COLLAR

- Six sided drive 36 mm
- 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: Iveco Eurotech Cursor HA etc.



**296,50 €**

Spanner width mm	External hexagon drive in mm	Ø mm	Height mm
110,0	36	133,0	116,0



## 450.0200

### AXLE NUT WRENCH FOR IVECO

- Six sided drive 36 mm
- 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: Iveco Euro Cargo etc.



**236,50 €**

Spanner width mm	External hexagon drive in mm	External Ø mm	Height mm	Depth mm
98,0	36	122,0	120,0	72,0

## 460.5340

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MAN

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

Application range: MAN planetary hub rear axles (5MR, 3MR) and front axle (M series: 3ME DI)



3/4"

**278,50 €**

2 pcs

## 460.4165

### AXLE NUT SOCKET FOR IVECO

- Six sided drive 36 mm
- 12 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Special tool steel

Application range: Axle nut Iveco Eurotech-Cursor



**218,50 €**

Spanner width mm	External hexagon drive in mm	Ø mm	Height mm
105,0	36	128,0	116,0



## 460.5350

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MAN

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

Application range: Mercedes and MAN, Atego, bus and transporter with grooved nut (A9763560026). The guide tube is not required for the following vehicles: MAN trucks (type H, L, M, N and 1) and bus (type A, J, P and R) with grooved nut (81.90620-0086)



3/4"

**278,50 €**

2 pcs





## 460.5345

### WRENCH WITH 6 PINS FOR MAN

- 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

Application range: MAN VW2-VW4-VW6.1-6.8



1"

157,<sup>50</sup> €

Internal Ø mm	External Ø mm	Number of studs	Stud width mm	Height mm
77,0	84,0	6	10,0	100,0

## 450.0160

### WRENCH WITH 6 PINS FOR MAN AND MERCEDES

- Internal square drive to DIN 3121 / ISO 1174
- Rigid locating tube
- Optional with expander sleeve (bayonet locking system)
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes Atego Rear axle, Vitaro 814, MAN etc.



3/4"

248,<sup>50</sup> €

Internal Ø mm	External Ø mm	Locating tube Ø mm	Number of studs	Internal stud Ø mm	Stud width mm	Height mm
80,0	95,0	49,0	6	87,0	10,0	185,0

## 450.0168

### WRENCH WITH 6 PINS FOR MAN AND MERCEDES

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

Application range: Mercedes and MAN 10 + 13 t Reduction axle, Hypoid- and Trailer axle NR 7/4, Omnibus 0305 G + 0405 G etc.



3/4"

309,<sup>50</sup> €

External Ø mm	Internal Ø mm	D3 mm	Number of studs	Stud width mm	Height mm	Depth mm
115,0	95,0	101	6	6,0	111,0	49,0

## 460.5355

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MAN

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

Application range: MAN Hypoid rear axles M-series (16M-Soma axle, HY-0855, HY-0955, HY-1175)



3/4"

236,<sup>50</sup> €

2 pcs

## 450.0161

### EXPANDER SLEEVE FOR LOCATION TUBE

- Practical connector system with bayonet clasp
- Suitable for groove nut spanner 450.0160
- Enables stable work position
- Prevents slippage of the socket
- Extremely robust version
- Switched by turning the bayonet clasp
- Special tool steel



90,<sup>90</sup> €

Internal Ø mm	External Ø mm	Length mm
49,0	57,0	130,0



### LOCATING TUBE FOR GROOVE NUT SOCKETS

- Practical connector system with fixing screw
- Usably for different groove socket nuts (module systems)
- Enables stable work position
- Prevents slippage of the socket
- Extremely robust version
- Change through loosening of the grub screw on the hexagon
- Special tool steel



3/4"



	Internal Ø mm	External Ø mm	Length mm	
450.0150	46,0	52,0	140,0	€ 106, <sup>90</sup>
450.0152	60,0	67,0	140,0	€ 127, <sup>50</sup>



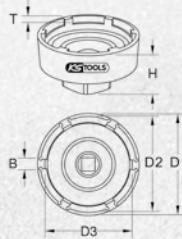


**450.0169**

### WRENCH WITH 6 PINS FOR MERCEDES AND MAN

- Internal square drive to DIN 3121 / ISO 1174
- Extremely versatile
- Suitable for exact torque
- Special profile with 6 internal studs
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: Mercedes + MAN drive axle



3/4"

External Ø mm	Internal Ø mm	D3 mm	Number of studs	B mm	T mm	Height mm
119,0	110,0	100,5	6	11,5	11,6	80,0

**181,90 €**

**450.0170**

### WRENCH WITH 6 PINS FOR MAN

- Internal square drive to DIN 3121 / ISO 1174
- Six point size 60 mm
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: MAN TGA Front axle, V9-82L-01 (Disk brake/ABS) etc.



3/4"

**190,50 €**



Internal Ø mm	External Ø mm	Number of studs	Internal stud Ø mm	Stud width mm	Height mm
101,0	110,0	6	93,0	8,0	80,0

**460.5360**

### GROOVED NUT SPANNER SET WITH 2 GUIDE TUBES FOR MAN

3 pcs

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

Application range: MAN with guide tube Ø 66.5 mm: Hypoid rear axles F-series (HY-1175, HDY-1175, HY-13110, HY-1180). With guide tube Ø 51.5 mm: Rear hub axles F-series (H7, HD7) and front axles F-series



Ø 102 mm

M56 x 1,5 mm  
Ø 51,5 mm

M56 x 1,5 mm  
Ø 66,5 mm

3/4"

**327,50 €**

**450.0175**

### MAN TGA GROOVE NUT SPANNER WITH LOCATING TUBE

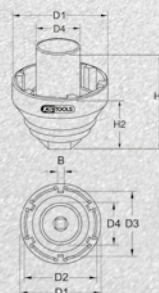
- Internal square drive to DIN 3121 / ISO 1174
- Six point size 60 mm
- High accuracy of fit
- Extremely robust version
- Optional with locating tube
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: MAN TGA rear axle, HY-1350 (Hypoid)



3/4"

**326,50 €**



6-point mm	D1 mm	D2 mm	D3 mm	D4 mm	Number of studs	B mm	H1 mm	H2 mm
60	148,0	133,0	117,0	67,0	6	11,5	98,0	160

**450.0176**

### SLOTTED NUT WRENCH WITHOUT GUIDE TUBE FOR MAN TGA

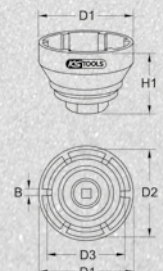
- Internal square drive to DIN 3121 / ISO 1174
- Six point size 60 mm
- High accuracy of fit
- Extremely robust version
- With fixed locating tube
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: MAN TGA rear axle, HY-1350 (Hypoid)



3/4"

**405,50 €**



6-point mm	D1 mm	D2 mm	D3 mm	Number of studs	B mm	H1 mm
60	148,0	133,0	117,0	6	11,0	110,0





## 450.0155

### EXTENSION TUBE FOR MAN

- For the removal and installation of wheel hubs
- Extension tube for the protection of the wheel bearing and threaded bolts
- With knurling and bore for toggle lever
- Special tool steel

Application range: MAN TGA rear axle e.g. HY 1350



**211,90 €**

Thread	Internal Ø mm	External Ø mm	Length mm
M100 x 1.5	96,0	105,0	360,0

### EXTENSION TUBE FOR MERCEDES AND MAN

- With hexagon drive SW 41
- For the removal and installation of wheel hubs
- For the protection of the wheel bearing and threaded bolts
- Suitable for right and left handed threads
- Special tool steel

#### Application range:

Right handed thread = rear axle HL2 e.g. MAN L serie  
Left handed thread = Mercedes Atego/Vario



	Thread	6-point mm	Internal Ø mm	External Ø mm	Length mm	
<b>450.0156</b>	M75 x 1.5	41	60,0	78,0	180,0	€ 187, <sup>50</sup>
<b>450.0157</b>	M75 x 1.5 L	41	60,0	78,0	180,0	€ 187, <sup>50</sup>

## 460.1035

### AXLE NUT SOCKET FOR MERCEDES

- Six sided drive 36 mm
- 6 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Special tool steel

Application range: Mercedes axle trailers etc.



**266,50 €**

Spanner width mm	6-point mm	Ø mm	Height mm
95,0	36	118	158,0

## 460.0965

### AXLE NUT SOCKET FOR MERCEDES

- Six sided drive 36 mm
- 12 point
- Any extensive slipping is avoided
- Extremely robust version
- Suitable for high tightening and loosening torque
- Can be used with an impact wrench or torque wrench
- Special tool steel

Application range: Mercedes axle trailers etc.



**266,50 €**

Spanner width mm	6-point mm	Ø mm	Height mm
95,0	36	126,0	157,0

## 460.5615

### AXLE NUT WRENCH FOR MERCEDES

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

Application range: Mercedes Truck- VA- and Discos Trailer (05.2000) with compact storage HUB Unit



**211,90 €**

Spanner width mm	Ø mm	Height mm
95	118	75,0

## 460.5370

### T-NUTS AND WRENCH SET WITH 4 GUIDE TUBES FOR MERCEDES

**5 pcs**

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

Application range: Mercedes Hypoid rear axles HL2/2, HL2/3, HL2/5, HL2/9, HL2/11, HL2/12, HL2/15, HL0/3, HL0/6, HL0/7, HL1/2 (only Ø 63 mm required), HL1/3, HL1/8, HL1/9, HL2/30C



**339,50 €**

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## 460.5620

### GROOVED NUT SPANNER SET WITH 3 GUIDE TUBES FOR MERCEDES

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

4  
pcs

Application range: Mercedes Hypoid rear axles HL2/2, HL2/3, HL2/5, HL2/9, HL2/11, HL2/12, HL2/15



3/4"

**278,<sup>50</sup> €**

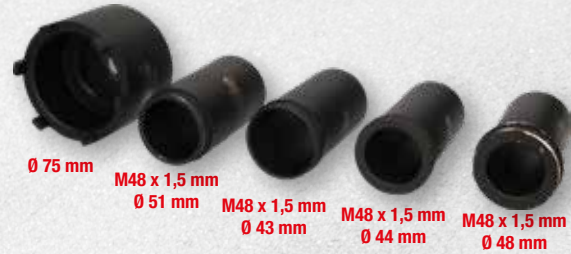
## 460.5385

### T-NUTS AND WRENCH SET WITH 4 GUIDE TUBES FOR MERCEDES

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

5  
pcs

Application range: Mercedes Hypoid rear axles HL2/14, KL2/16, KL4/1, HL4/16, HL4/17, HL4/23, HL4/28, HL4/29, HL4/30, HL4/4, HL4/8, HD4/6G, HO4/2, HO4/18, NR4/4 and palloid front axles AL3/1, AL3/2, AL3/4, AL3/7, AL3/8



3/4"

**369,<sup>50</sup> €**

## 460.5625

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES

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

2  
pcs

Application range: Mercedes Hypoid rear axles HLO/3, HLO/6, HLO/7, HL1/2 (only Ø 63 mm necessary), HL1/3, HL1/8, HL1/9, HL2/30C



3/4"

**157,<sup>50</sup> €**

## 460.5635

### GROOVED NUT SPANNER SET WITH 3 GUIDE TUBES FOR MERCEDES

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

4  
pcs

Application range: Mercedes Hypoid rear axles HL2/14, KL2/16, KL4/1, HL4/16, HL4/17, HL4/23, HL4/28, HL4/29, HL4/30, HL4/4, HL4/8, HD4/6G, HO4/2, HO4/18, NR4/4



3/4"

**296,<sup>50</sup> €**

## 460.5380

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES

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

2  
pcs

Application range: Mercedes Hypoid rear axles HL2/2, HL2/7, HL2/13



3/4"

**248,<sup>50</sup> €**

## 460.5630

### GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES

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

2  
pcs

Application range: Mercedes Palloid front axles AL3/1, AL3/2, AL3/4, AL3/7, AL3/8



3/4"

**200,<sup>50</sup> €**



**460.5395****GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES**

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

**2 pcs**

Application range: Mercedes hypoid axles H04/10, H04/10DL, H04/11DL, H05/3, H05/4, H05/8, HD4/21G, HD4/2G, HD4/22, HD5/3, HL5/2, HL5/6



Ø 88 mm

M56 x 1,5 mm  
Ø 57 mm**327,50 €**

3/4"

**460.1070****GROOVE NUT WRENCH WITH 6 PINS WITH GUIDE TUBE FOR MERCEDES**

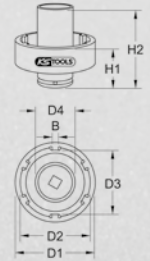
- Internal square drive to DIN 3121 / ISO 1174
- Rigid locating tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



Application range: Mercedes lifting axle



3/4"

**296,50 €**

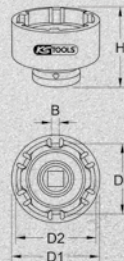
D1 mm	D2 mm	D3 mm	D4 mm	Number of studs	B mm	H1 mm	H2 mm
115,0	100,0	91,0	46,0	6	11,0	82,0	142,0

**460.1075****WRENCH WITH 6 PINS FOR MERCEDES**

- 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



1"

**236,50 €**

D1 mm	D2 mm	D3 mm	Number of studs	B mm	H mm
110,0	96,0	86,0	6	11,0	82,0

**460.5645****GROOVED NUT SPANNER SET WITH GUIDE TUBE FOR MERCEDES**

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

**2 pcs**

Application range: Mercedes hypoid axles HO 5/5



Ø 100 mm

M56 x 1,5 mm  
Ø 59 mm**309,50 €**

3/4"

**460.3790****GROOVED NUT WRENCH WITH 6 PINS WITH GUIDE TUBE FOR MERCEDES TRAILER AXLES**

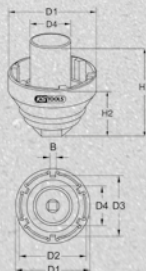
- Internal square drive to DIN 3121 / ISO 1174
- Rigid locating tube
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



Application range: Mercedes trailer axle TZ5/2



3/4"

**218,50 €**

D1 mm	D2 mm	D3 mm	D4 mm	Number of studs	B mm	H1 mm	H2 mm
100,0	82,0	92,0	47,0	6	9,8	142,0	230,0

**460.5420****GROOVED NUT SPANNER SET WITH 3 GUIDE TUBES FOR MERCEDES**

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

**4 pcs**

Application range: Mercedes planetary hub rear axles (European axles) 10 tons + 13 tons: HL7/1, HL7/2, HL7/18, H07/8, H07/9, HL7/0, HL7/015, HL7/021, HL7/3, HD7/2, HD7/19DG, HD7/016DG planetary hub front axle 7 tons: AL7/1

For the NR7/4 planetary hub axles / trailing axle, the base body can be used without a guide tube.

M48 x 1,5 mm  
Ø 53 mm

Ø 105,5 mm

M48 x 1,5 mm  
Ø 50 mmM48 x 1,5 mm  
Ø 51 mm**393,90 €**

3/4"

\*This is an limited special price offer - only until stocks last.

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**450.0167**

### WRENCH WITH 6 PINS FOR MERCEDES

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

Application range: Mercedes Actros Rear axle, HL/HL 8 (Hypoid) etc.



**327,50 €**

Internal Ø mm	External Ø mm	Internal stud Ø mm	Number of studs	Stud width mm	Height mm
105,0	125,0	115,0	6	10,0	182,0

**460.1065**

### GROOVE NUT WRENCH WITH 6 PINS WITH GUIDE TUBE FOR MERCEDES

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

Application range: Mercedes (2640) drive axle



**314,50 €**

D1 mm	D2 mm	D3 mm	D4 mm	Number of studs	B mm	H1 mm	H2 mm
145,0	125,0	116,0	64,0	6	11,0	84,0	145,0

**460.5425**

### GROOVED NUT SPANNER SET WITH 2 GUIDE TUBES FOR MERCEDES

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

**3**  
pcs

Application range: Mercedes rear axle 749.0, trailing rocker arm axle NS4/2, NS4/10 and pinion axles HL6/1, HL6/2, HL6/3, HD6/3



M56 x 1,5 mm  
Ø 55 mm

Ø 113 mm

M56 x 1,5 mm  
Ø 63 mm

**381,90 €**

3/4"

**450.0251**

### SLOTTED NUT WRENCH FOR REAR AXLE NUT FOR MERCEDES

- With hexagon drive 32.0 mm
- For the dismantling and assembly of the rear axle nut
- High accuracy of fit
- Sturdy design
- Suitable for high tightening and loosening torque
- Drive tube Ø 35 mm
- Special tool steel

Application range: Mercedes Citaro



**327,50 €**

Internal Ø mm	External Ø mm	6-point mm	Internal stud Ø mm	Number of studs	Stud width mm	Height mm
122,0	139,0	32	123,5	6	10,4	310,0

**460.0870**

### WRENCH WITH 6 PINS FOR MERCEDES

- ideally suited for loosening the rear nut on the differential
- Internal square drive to DIN 3121 / ISO 1174
- Extremely versatile
- Suitable for exact torque
- Special profile with 6 internal studs
- Suitable for high tightening and loosening torque
- Special tool steel



**236,50 €**

D1 mm	D2 mm	D3 mm	Number of studs	B mm	Height mm
135,0	126,0	102,0	6	8,7	103,0

**460.4205**

### AXLE NUT SOCKET SPANNER FOR MERCEDES

- 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 rear axle Mercedes 2636, 2640, 414 (2006 - 2016)



**211,90 €**

D1 mm	D2 mm	D3 mm	Number of studs	B mm	Height mm
121,0	107,0	98,0	6	12,0	82,0





## 450.0201

### AXLE NUT WRENCH FOR SAF

- Six sided drive 36 mm
- 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: SAF axle trailers



Spanner width mm	6-point mm	Ø mm	Height mm
85,0	36	118,0	82,0

**179,<sup>90</sup> €**

## 460.5445

### AXLE NUT WRENCH FOR RENAULT

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



3/4"

**187,<sup>50</sup> €**

Spanner width mm	Length mm
77	200,0



## 460.5455

### AXLE NUT WRENCH FOR RENAULT AND IVECO

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



1"

**211,<sup>90</sup> €**

Spanner width mm	Ø mm	Height mm
80	100	137,5

## 450.0110

### AXLE NUT WRENCH FOR SAF

- Positive drive of the axle nut
- Sturdy design
- Can be used with an impact wrench or torque wrench
- Ideally suited for brake restoration working
- Forward tension with SW 32 mm is at 150 Nm
- Angle of rotation 20-30° with SW 46
- Special tool steel

Application range: SAF Euro axle etc.



**170,<sup>50</sup> €**

Spanner width mm	6-point mm	Height mm
140,0	32	100,0

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**460.4705**

### WHEEL HUB PULLER SET FOR SAF

- For 140 mm hole diameters
- Sturdy design
- Threaded spindle for high pull-off force - 32 mm drive
- Special tool steel

**2**  
pcs



**139,50 €**

**450.0221**

### 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: 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



**134,90 €**

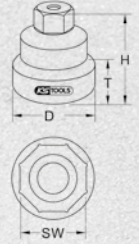
Spanner width mm	Ø mm	Height mm	Depth mm
80	98,0	75,0	25,0

**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



**139,50 €**

Spanner width mm	6-point mm	Ø mm	Height mm	Depth mm
80	41	105,0	98,0	25,0

**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
- Special tool steel

Application range: Scania, York and Fuso 10.5 t



**151,90 €**

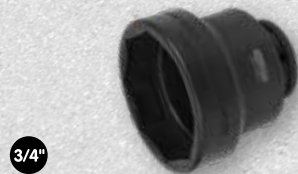
Spanner width mm	Ø mm	Height mm
95,0	117,0	82,0

**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



**118,90 €**

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

**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



**151,90 €**

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





## 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



**202,50 €**

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

## 450.0236

### 8-PIN T-NUTS WRENCH FOR SCANIA

- With 3/4" square drive to DIN 3121 / ISO 1174
- Special profile with 8 external studs
- 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 installation of the mounting nut on the axle bearing



**255,90 €**

D1 mm	D2 mm	D3 mm	Number of studs	B mm	Height mm	Depth mm
119,0	90,0	103,0	8	9,5	100,0	75,0

## 450.0245

### AXLE NUT WRENCH FOR VOLVO

- Internal square drive to DIN 3121 / ISO 1174
- 6 point
- 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)



**133,90 €**

Spanner width mm	Ø mm	Height mm	Depth mm
80	100,0	55,0	17,0

### 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	
<b>460.1415</b>	95,0	125,0	60,0	350,0	40,0	€ 393,90
<b>460.0680</b>	105,0	135,0	60,0	355,0	40,0	€ 430,50

## 460.5440

### AXLE NUT WRENCH FOR SETRA AND KÄSSBOHRER

- Six sided drive 36 mm
- 6 point
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



**363,90 €**

Spanner width mm	External hexagon	Length mm
105	36 mm	400,0

### CLAMP NUT SOCKET

- Internal square drive to DIN 3121 / ISO 1174
- For professional loosening and tightening
- Extremely versatile
- Rectangular form
- Usably with rectangular clamp nuts on the axle stub
- Milled out profile
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel



1/2"

	Spanner width mm	Height mm	
<b>460.5470</b>	32,0	36,0	€ 79,50
<b>460.5471</b>	41,0	50,0	€ 79,50
<b>460.5472</b>	46,0	52,0	€ 90,90
<b>460.5473</b>	50,0	62,0	€ 100,50
<b>460.5474</b>	56,0	68,0	€ 106,90





## CLAMP NUT SOCKET

- Internal square drive to DIN 3121 / ISO 1174
- For professional loosening and tightening
- Extremely versatile
- Rectangular form
- Usably with rectangular clamp nuts on the axle stub
- Milled out profile
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel



3/4"

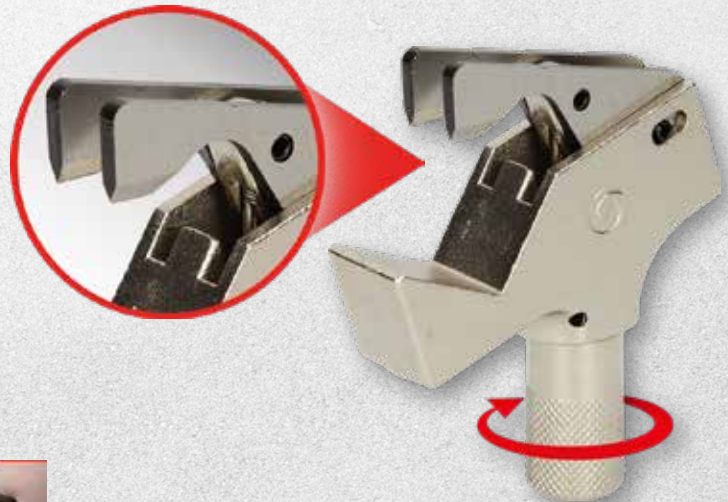


	Spanner width mm	Height mm	
<b>450.0106</b>	56,0	76,0	€ 118, <sup>90</sup>
<b>450.0107</b>	60,0	76,0	€ 145, <sup>50</sup>

## 150.1467

### THREAD BOTTOM TAP FOR EXTERNAL THREAD M4 - M45

- For re-cutting and cleaning damaged outer threads
- No damage of the thread
- Suitable for right and left-handed thread
- steplessly adjustable via knurled screw
- The chaser is well-guided due to the width of the jaw and does not tilt
- Can be used everywhere regardless of the thread length
- Simple handling
- cutting of HSS steel with hardness 55-60



**60,<sup>90</sup> €**

## 150.1435

### THREAD REPAIR KIT FOR INTERNAL AND EXTERNAL THREADS

- For re-cutting and cleaning of internal and external threads
- Suitable for right and left handed threads up to Ø 140mm
- Quick cutting jaw modification possible from the magazine
- No damage of the thread due to the soft holding guides
- With 3 x die for commercial vehicle hub nut threads
- Special tool steel
- In durable plastic storage case

Chaser metric: 1.0 - 1.25 - 1.5 - 1.75 - 2.0 - 2.5 - 3.0 - 3.5 mm  
 Chaser imperial: 24-20-18-16-14-12-11.5-11-10-9-8-7.5-7-6-5-4 pitch  
 Thread file metric 0.8-1.0-1.25-1.5-1.75-2.0-2.5-3.0 mm  
 Thread file, imperial 24-20-18-16-14-12 -11-10  
 Die: M18x1.5 / M20x1.5 / M22x1.5

**Application:** Trucks, land and construction machines, municipally and forestry technology on e.g. axle threads, hydraulic cylinder screw joints, steering and push rods



**6 pcs**



**393,<sup>90</sup> €**



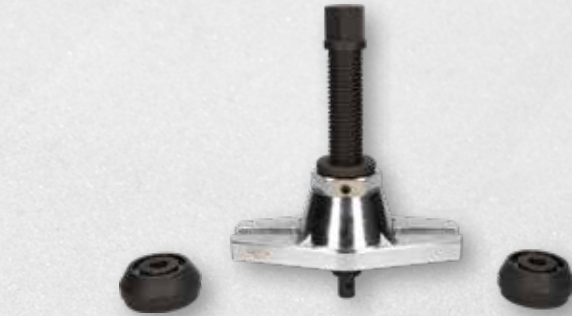


**460.3700**

**UNIVERSAL COMMERCIAL VEHICLE WHEEL HUB EXTRACTOR SET**

- variable use for bolt circle diameters up to 190 mm
- Sturdy design
- Trapezoidal threaded spindle for high pull-off force
- Special tool steel

**5**  
pcs



**430,<sup>50</sup> €**

**460.0685**

**WHEEL HUB PULLER FOR MAN**

- Suitable for removing the wheel hub
- For 166 mm hole diameters
- Sturdy design
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

**2**  
pcs

Application range: new MAN front axle wheel hub



Ø 166 mm

**551,<sup>50</sup> €**

**460.1765**

**UNIVERSAL COMMERCIAL VEHICLE WHEEL HUB EXTRACTOR SET**

- Variable use for bolt circle diameter 110 mm - 448 mm
- Universal use for bolts up to max. Ø 30 mm
- With 2 rods and trapezoid thread spindle
- With 3 pressure pieces
- Includes 5 thread adaptor sets
- Special tool steel

Application range: Sauer, BPW, Scania, Fuso, Hino

**27**  
pcs



**1102,<sup>50</sup> €**

**UNIVERSAL WHEEL HUB PULLER**

- Extracting the wheel hubs and/or housing over the grease cap thread
- Six sided drive enable unscrewing on the cap
- Sturdy design
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel



3/4\*

	Size internal thread	Size outside thread	Spindle size mm	Spanner width mm	
<b>450.0000</b>		M115 x 1,5	30x260	30	<b>€ 291,<sup>50</sup></b>
<b>450.0001</b>		M125 x 2,0	30x260	30	<b>€ 327,<sup>50</sup></b>
<b>450.0002</b>	M135 x 2,0		30x260	30	<b>€ 327,<sup>50</sup></b>
<b>450.0003</b>	M136 x 2,5		30x260	30	<b>€ 339,<sup>50</sup></b>
<b>450.0004</b>	M155 x 3,0		30x260	30	<b>€ 357,<sup>50</sup></b>



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**460.3630**

**WHEEL HUB PULLER SET FOR MAN**

- including 20 t hydraulic cylinder
- Sturdy design
- Special tool steel

**3**  
 pcs



**1273,50** €

**460.1080**

**WHEEL HUB PULLER FOR SCANIA**

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

**3**  
 pcs

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



**418,50** €

**460.3795**

**ASSEMBLY AND DISASSEMBLY TOOL SET FOR ZF AXLES**

- ideally suited for mounting and dismantling wheel hubs with compact bearings
- can also be used with fixed wheel hubs
- for damage-free mounting of the shaft sealing rings
- for mounting the bellows with installed brake calliper
- Special tool steel

Application range: IF axles

**11**  
 pcs



**1637,50** €





**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

**6**  
pcs



**Technical data:**

Capacity:	32 t
Connection thread:	Cejn quick coupling
Piston-inner thread:	M24
Outer thread:	2.1/2"
Stroke:	113,0 mm

**1332,50** €

**440.0480**

### PRESSURE AND PULL HYDRAULIC CYLINDER SET

- 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 use
- With automatic piston return
- Ideally used with transporters and commercial vehicles
- Special tool steel

**7**  
pcs



**Technical data:**

Capacity:	45 t
Connection thread:	Cejn quick coupling
Piston-inner thread:	M27
Outer thread:	2.1/2"
Stroke:	70,0 mm

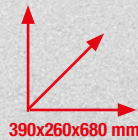
**1572,90** €

**440.0060**

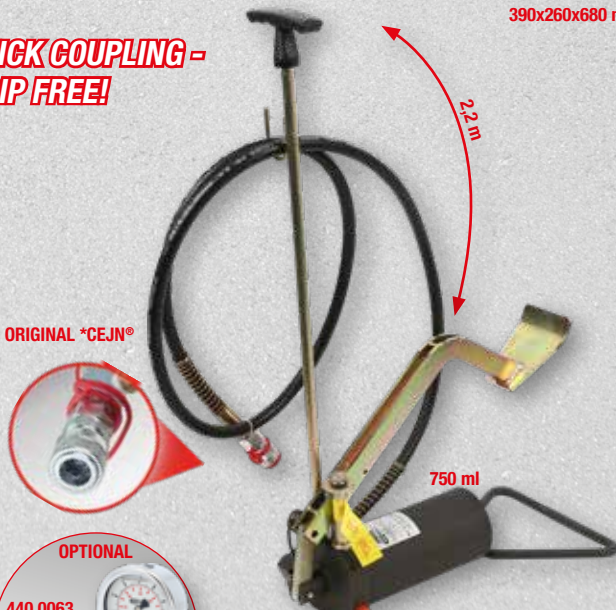
### HYDRAULIC FOOT PUMP SET

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

**4**  
pcs



**QUICK COUPLING - DRIP FREE!**



ORIGINAL \*CEJN\*

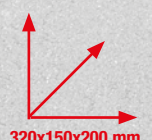
**823,90** €

**440.0055**

### PNEUMATIC HYDRAULIC PUMP SET

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

**3**  
pcs



ORIGINAL \*CEJN\*

1,4 L

**QUICK COUPLING - DRIP FREE!**



**891,50** €

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**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



Quick coupling - drip free!



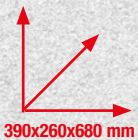
**205,50 €**

**440.0585**

### HYDRAULIC UNIT 32 T, WITH HYDRAULIC PUMP AND MANOMETER

- Optimal for universal use in car garages
- Includes hydraulic pump and manometer
- 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

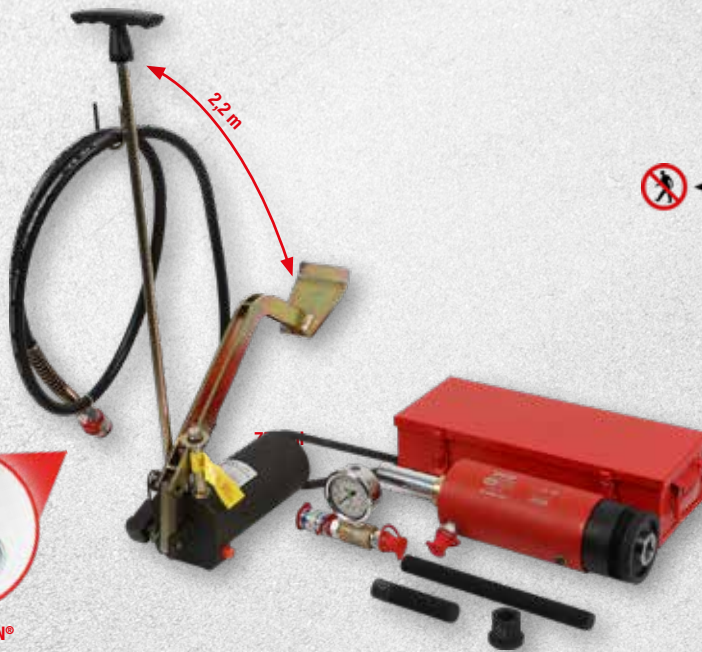
**11 pcs**



390x260x680 mm



ORIGINAL \*CEJN®



**2182,90 €**

**440.9996**

### HYDRAULIC UNIT 32-TONNES, WITH AIR HYDRAULIC PUMP

- 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
- With pneumatic hydraulic pump
- 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

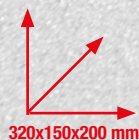
**9 pcs**



**QUICK COUPLING - DRIP FREE!**



440.0063



320x150x200 mm



1,4 L



**2364,90 €**





## 440.0038

### KLANN HYDRAULIC TO KS MODULO 2-TOOL

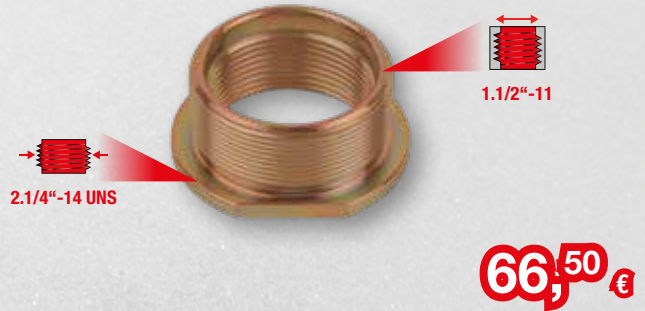
- For using the Klann hydraulic cylinder (17 t) with KS Tools tool 1.1/2" internal thread
- Adapter 2.1/4"-14 UNS (Klann thread) to 1.1/2" MODULO 2
- Special tool steel



## 440.0036

### KS HYDRAULIC MODULO 2 TO KLANN TOOLS

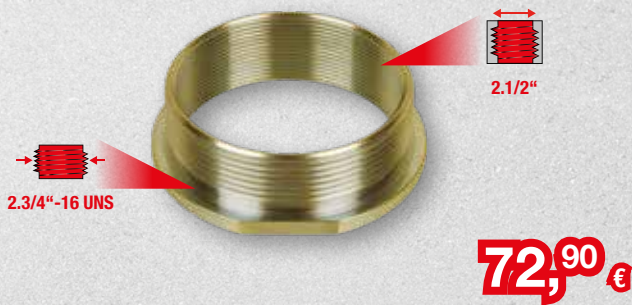
- For use with the KS Tools hydraulic cylinder MODULO 2 (8.5-22 t) with Klann special tool
- Adapter 1.1/2" MODULO 2 to 2.1/4"-14 UNS (Klann thread)
- Special tool steel



## 440.0409

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

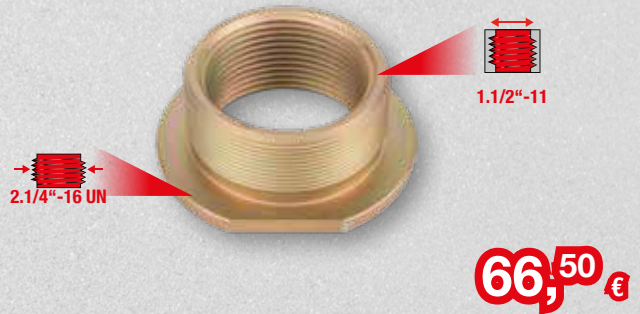
- For using the KS tools hydraulic cylinder MODULO 2 (32t) with the Klann special tool (connection 2.3/4"-16 UNS)
- Adapter 2.1/2" MODULO 2 to 2.3/4"-16 UNS (Klann thread)
- Special tool steel



## 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 tools
- 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

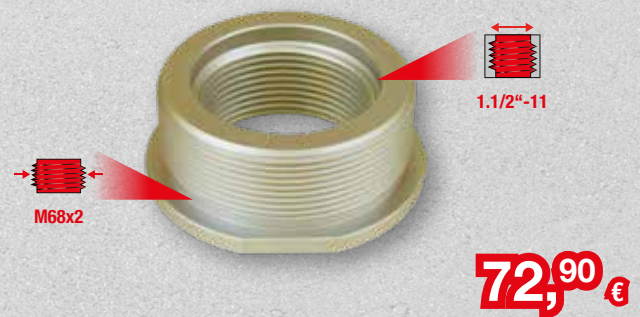
- For using the Paschke hydraulic cylinder with KS Tools special tools MODULO 2
- Adapter M68x2 mm (Paschke thread) to 1.1/2" MODULO 2
- Special tool steel



## 440.0408

### KS HYDRAULIC TO PASCHKE TOOLS

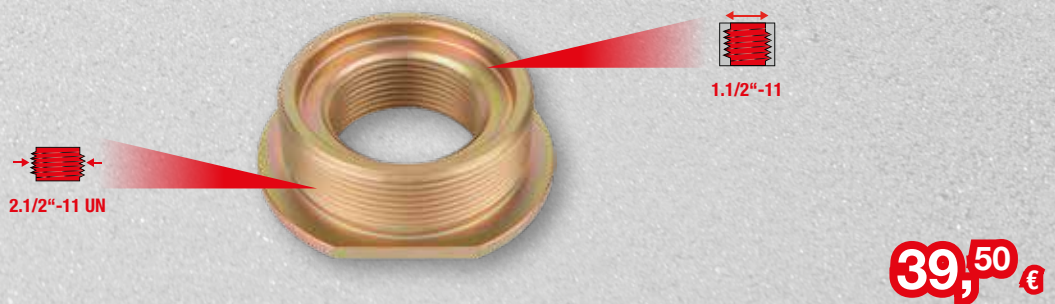
- For using the Paschke KS Tools hydraulic cylinder MODULO 2 (8,5-22 t) with Paschke special tools
- Adapter 1.1/2" MODULO 2 auf M68x2 mm (Paschke thread)
- Special tool steel



## 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







**440.0590**

### WHEEL HUB PULLER SET FOR 8 AND 10 BOLTS FOR 32 T

- for disassembly of truck wheel hubs with 8 or 10 bolts (275 mm / 335 mm)
- Use in conjunction with 32t hydraulic cylinder (440.0025) with impact function
- ideal for pressing out wheel hub with compact bearing
- Sturdy design
- Secure and easy to use
- ideal for use with wheel bearing set for Scania (440.0375)
- Special tool steel
- In durable plastic storage case

Recommended hydraulic cylinder: 32t (440.0025)



**1332,50 €**

**11**  
pcs



**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



**587,50 €**

**3**  
pcs

**440.0365**

### SPACER SCREW M22 FOR WHEEL HUB PULLER SET (440.0590)

- for extending the pressure rod
- ideal for axles with hub planetary gear in the wheel hub
- Special tool steel



**118,90 €**

**440.0610**

### WHEEL HUB PULLER SET FOR 8 AND 10 BOLTS FOR 45 T

- for disassembly of truck wheel hubs with 8 or 10 bolts (275 mm / 335 mm)
- Use in conjunction with 45t hydraulic cylinder (440.0480) with impact function
- ideal for pressing out wheel hub with compact bearing
- Sturdy design
- Secure and easy to use
- ideal for use with wheel bearing set for Scania (440.0375)
- Special tool steel
- In durable plastic storage case

Recommended hydraulic cylinder: 45t (440.0480)



**1332,50 €**

**12**  
pcs



**440.0495**

### HUB PULLERS FOR LOW TRAILERS FOR 32 T AND 45 T

- for pressing out the 225 mm hub with 10 screws
- Hubs with unit bearings on straight shafts can be released in this way
- Use in connection with threaded plate (440.0593)
- Sturdy design
- Secure and easy to use
- Special tool steel

Recommended hydraulic cylinder: 32 t (440.0025) and 45 t (440.0480)



**842,50 €**

**15**  
pcs

Article can only be used in conjunction with 440.0593.



**440.0615**

### PULLER SET FOR HUB WITHOUT WHEEL STUD RIM FOR 45 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: 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



**551,50 €**

**3**  
pcs





**450.0080**

### BEARING ASSEMBLY AND DEASSEMBLY TOOL SET

- Can be used manually with a hammer or workshop press
- Optimal placing through the pressure plates
- For easy and damage free assembly
- For the correct dismantling and assembly of bearings
- Suitable for commercial, agricultural engineering and construction machines
- Forged, robust execution
- Special tool steel
- In durable plastic storage case

**5**  
pcs



**460,50** €

**605.0005**

### SEPARATOR SET INCLUSIVE WITH YOKE Ø 30,0 - 220,0 MM

- For the removal of secure bearings and bushes
- Extremely robust spindle with inductively hardened thread
- Hydraulic thrust spindle available
- Special tool steel
- In durable steel storage case

**3**  
pcs



**1139,50** €

**460.1380**

### MAN WHEEL BEARING PULLER

- Ideally suited to the removal of old wheel bearings
- Sturdy design
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: MAN 33460, 410 and 414 -break disc bearing front axle

**10**  
pcs



**921,50** €





## WHEEL BEARING INSTALLATION AID FOR DAF

- 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

Application range: DAF CF



	D1 mm	D2 mm	D3 mm	H1 mm	H2 mm	
<b>460.4375</b>	61,5	69,5	124,5	22,6	35,0	€ 88, <sup>90</sup>
<b>460.4370</b>	73,5	81,5	137,5	22,6	35,0	€ 90, <sup>90</sup>
<b>460.4380</b>	91,5	99,5	147,5	22,6	35,0	€ 100, <sup>50</sup>

## 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

Application range: Volvo FM



	D1 mm	D2 mm	D3 mm	H1 mm	H2 mm	
<b>460.4005</b>	51,0	58,0	109,0	21,0	34,0	€ 60, <sup>90</sup>

## 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

Application range: Volvo FM



	D1 mm	D2 mm	D3 mm	H1 mm	H2 mm	
<b>460.4000</b>	61,0	68,0	124,0	21,0	34,0	€ 66, <sup>50</sup>

## 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-efficient
- Special tool steel

Application range: Volvo FM



	D1 mm	D2 mm	D3 mm	H1 mm	H2 mm	
<b>460.3995</b>	83,0	94,0	148,0	26,0	40,0	€ 106, <sup>90</sup>

## 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

2  
pcs



**363,<sup>90</sup> €**

## 440.0375

### WHEEL BEARING SET FOR SCANIA FOR 32T AND 45T

- For the assembly and disassembly of compact bearings on the front axle
- ideal use with wheel hub puller set (440.0360) and 32t hydraulic cylinder (440.0025 with impact function)
- Sturdy design
- Secure and easy to use
- Special tool steel
- In durable plastic storage case

7  
pcs

Recommended hydraulic cylinder: 32t (440.0025) and 45t (440.0480)

Application range: Wheel bearing front axle Scania



**605,<sup>90</sup> €**

## 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

14  
pcs

Application range: Scania rear axle



**812,<sup>50</sup> €**

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**460.3620**

## 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 design
- time- and cost-efficient

**29**  
pcs



Ø 24 mm

Ø 34 mm

Ø 47 mm

Ø 47 mm

Ø 47 mm

Ø 39 mm

Ø 50 mm

Ø 61 mm

Ø 95 mm



### Technical data:

Capacity: 75 t  
 Stroke: 160,0 mm  
 Operating pressure max.: 700 bar  
 Volume: 1,8 l

**4449,<sup>90</sup> €**





**500.8480**

## INDUCTION HEAT GUN SET

- For loosening rusted and seized connections
- For loosening "insoluble" glued connections
- Induction principle
- Pinpoint heating in seconds
- Heating of components up to max. 790 °C (red-hot)

**Application range:** Screws, nuts and bolts, exhaust clamps and pipes, lambda probes, running gear, stuck bearings, ball joints, steering (e.g. tracking adjustment screws), chemically micro-encapsulated threaded connections (bonded), warming of bearing housings during dismantling and assembly



**6**  
pcs



**451,90 €**

**1.000 W**

**+**

Coil Diameter	Coil Length	Coil Diameter	Coil Length
750 mm	160 mm	Ø 30 mm	160 mm
750 mm	160 mm	Ø 50 mm	160 mm
750 mm	170 mm	Ø 40 mm	170 mm
750 mm	120 mm	Ø 56 mm	120 mm







## 980.1010

### MANUAL LEVER GREASE GUN WITH FLEXIBLE TUBE

- For 400g cartridges and buckets and/or also for loose grease
- Filling volume 500cm<sup>3</sup>
- Flexible tube
- Mirror polished



**39,50** €

Ø mm	Length mm	Capacity
57,0	370,0	400 g

## 980.1020

### SINGLE HANDED GREASE GUN WITH RIGID GREASE TUBE

- Perfect single handed usage
- For cartridges and buckets and/or also for loose grease
- Fill capacity 400g
- Rigid grease tube
- Mirror polished



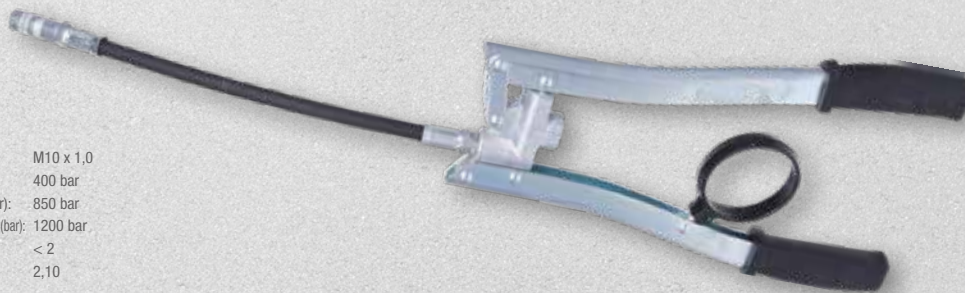
**39,50** €

Ø mm	Length mm	Capacity
57,0	350,0	400 g

## 980.1021

### TWO-HAND GREASE GUN

- For working with grease up to NLGI2
- Grease gun piston diameter 10.0 mm
- Quick and easy cartridge replacement
- Clean and complete emptying of the cartridge
- Fill levels can be checked at all times
- Ergonomic anti-slip handle



#### Technical data:

Connection thread:	M10 x 1,0
Operating pressure:	400 bar
Burst pressure system (bar):	850 bar
Burst pressure grease gun head (bar):	1200 bar
NLGI class:	< 2
Output per stroke cm <sup>3</sup> :	2,10

Length mm	Hose length mm	Capacity
650,0	300,0	500 g

**88,90** €

## 515.3900

### PNEUMATIC GREASE GUN FOR STROKE BY STROKE CONVEYANCE OF GREASE

- Air exhaust through the handle
- For one handed operation with balanced ergonomic design
- For cartridges and buckets and/or also for loose grease
- Includes flexible hose and nozzle
- Includes 1/4" coupling connector
- Grease feeding: one stroke per trigger actuation



#### Technical data:

Output pressure:	260 bar
Connection thread:	1/4"PT
Output per stroke cm <sup>3</sup> :	1,30 cm <sup>3</sup>
Air consumption:	170 l/min
Operating pressure:	6,3 bar (90 psi)

Width mm	Length mm	Capacity
165,0	400,0	400 g

**66,50** €

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## CORDLESS GREASE GUN 400 ML

- Handy and ergonomic dual component housing
- For standard grease cartridges or direct filling
- Ideal for heavy greasing with counter pressure
- With flexible 750 mm filling tube
- Carbon brushes interchangeable
- High performance lithium-ion battery
- With a rechargeable battery that can be process up to 15 cartridges
- Longer running time through higher load capacity
- Fast charging function (1 hour)
- Automatic turn off charging station
- In durable plastic storage case



### Technical data:

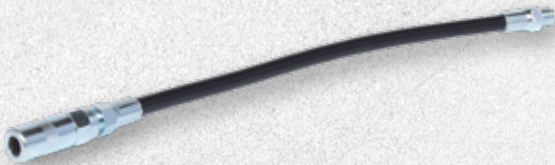
Operating pressure:	420 bar / 42 MPa
NLGI class:	< 2
Grease filling:	75 g / min
Capacity of the unit:	400 ml
No load current:	3 A
Operating current:	2,0 ~ 5,5 A
Charging time:	1 hour
Rechargeable battery:	18 V - 4,0 Ah



	Length mm	Width mm	Height mm	Replacement carbon brush	Rechargeable battery	Number of batteries	Number of chargers	
<b>515.3559</b>	237,0	80,0	487,0	515.3596	515.3599	0	0	€ 302, <sup>90</sup>
<b>515.3560</b>	237,0	80,0	487,0	515.3596	515.3599	1	1	€ 792, <sup>90</sup>
<b>515.3561</b>	237,0	80,0	487,0	515.3596	515.3599	2	1	€ 994, <sup>50</sup>

## FLEXIBLE HOSE WITH NOZZLE

- Made from rubber
- Includes four-jaw nozzle
- For use with the manually operated grease gun

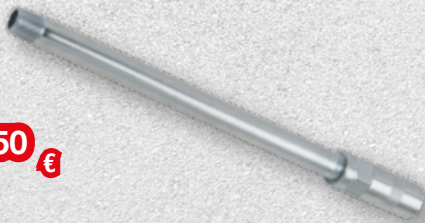


	Connection thread	Length mm	
<b>980.1011</b>	1/8"PT	300,0	€ 9, <sup>90</sup>
<b>980.1012</b>	1/8"PT	500,0	€ 16, <sup>50</sup>

## 980.1014

### NOZZLE EXTENSION

- Made from metal
- Includes four-jaw nozzle
- For use with the manually operated grease gun



**7,<sup>50</sup> €**

Connection thread	Length mm
1/8"PT	160,0

## 980.1013

### NOZZLE

- Made from metal
- Four-jaw nozzle
- For use with the manually operated grease gun



**6,<sup>50</sup> €**

Connection thread
1/8"PT

## 980.1108

### QUICK-LOCK COUPLING FOR GREASE GUNS

- Ideal for commercially available manual, battery operated and pneumatic grease guns
- Secure greasing during maintenance work without holding in place
- Uncoupling possible with pressures up to over 690 bar
- No spraying when uncoupling
- Simple and secure loosening, even under high pressure through lever actuation



**39,<sup>50</sup> €**

Connection thread	Length mm	Height mm
1/8"PT	74,0	38,0

## 980.1100

### GREASE GUN ADAPTOR SET

- For standard hand, cordless and pneumatic grease guns
- Adaptor with sliding sleeve for break-proof connection
- Straight and angled grease nipple
- For grease nipples out of steel, brass and stainless steel

Application range: Cone, funnel, ball and flat grease nipples

**7**  
pcs



**54,<sup>50</sup> €**





## BEARING LUBRICATION AID

- Ideally suited to greasing the bearings
- Residual grease is protected against dust and oxidation
- for different bearing diameters
- Permanently lockable
- Extremely versatile

Application range: tapered roller bearings



	Internal Ø mm	Width mm	Height mm	
<b>460.4965</b>	135,0	161,0	123,0	€ 484, <sup>90</sup>
<b>460.4970</b>	114,0	161,0	128,5	€ 339, <sup>50</sup>
<b>460.4975</b>	160,0	161,0	130,0	€ 460, <sup>50</sup>

## 460.1210

### BEARING LUBRICATION AID

- Ideally suited to greasing the bearings
- The grease is pressed through the rollers/barrels by pressing down on the piston
- For 150-200 mm bearing diameter
- Permanently lockable
- With triple sealing against grease leaks
- Residual grease is protected against dust and oxidation
- Aluminium
- Extremely versatile



# 787,<sup>50</sup> €

Width mm	Height mm
240,0	240,0

## BRASS AND ALUMINIUM PUNCH

- For extracting bearing, bolts and bushes etc.
- Rimed handle for better control
- Brass / Aluminium



	Material	Ø mm	Length mm	
<b>156.0415</b>	brass	20,0	300,0	€ 46, <sup>50</sup>
<b>156.0416</b>	aluminium	30,0	300,0	€ 27, <sup>90</sup>

## 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
- Minimum work time
- Special tool steel



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



# 278,<sup>50</sup> €

## 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**



#### Technical data:

Capacity:	8.5 t
Connection thread:	Cejn quick coupling
Piston-inner thread:	M22
Outer thread:	1.1/2"
Stroke:	25,0 mm



# 496,<sup>50</sup> €

## 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 pcs**



#### Technical data:

Capacity:	14 t
Connection thread:	Cejn quick coupling
Piston-inner thread:	M24
Outer thread:	1.1/2"
Stroke:	55,0 mm



# 530,<sup>90</sup> €

## 440.0390

### UNIVERSAL TOOL SET FOR CHANGING WHEEL BOLTS ON TRUCKS

- for quick and easy replacement of wheel bolts
- on trucks and trailers
- Changing the wheel studs without hammer or physical exertion
- Bolt change in less than 30 seconds
- Used in conjunction with press clamp (440.0190) and 14t (440.0015) or 8.5t hydraulic cylinder 440.0730

**8 pcs**



# 539,<sup>50</sup> €

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**515.3880**

### VIBRO IMPACT PNEUMATIC CHISEL HAMMER SET

- With non slip soft grip handle
- Air exhaust through the handle
- Ergonomic designed handle
- Ideal for industry
- Efficient, gentle loosening of screw fittings
- With stepless impact regulation
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light housing from two component plastic



**6**  
pcs



**369,<sup>90</sup> €**



**150.1608**

### IMPACT TIE ROD TOOL

- Vibration supported release of tracking rods, contoured screws or screws in the axle area etc.
- Adjustable in connection with a pneumatic chisel hammer
- The special vibrating mandrel applies an impact pulse to the screw connection to be loosened, thereby loosening rust and supporting the loosening process
- Pneumatic chisel adapter (10 mm) for use with pneumatic chisel hammers on the market
- Utilisation of vibration and shock pulse of Vibro Power pneumatic hammer
- Special tool steel



Width mm	Length mm	U opening in mm
50,0	290,0	27,0

**159,<sup>90</sup> €**

**515.3884**

### VIBRO-IMPACT BALL JOINT RELEASER

- Vibration supported release on ball joints
- Adjustable, e.g. conical seat connections to wheel bearing houses and wishbones
- Pneumatic chisel adapter (10 mm) for use with pneumatic chisel hammers on the market
- Utilisation of vibration and shock pulse of Vibro Power pneumatic hammer
- Special tool steel



**60,<sup>90</sup> €**

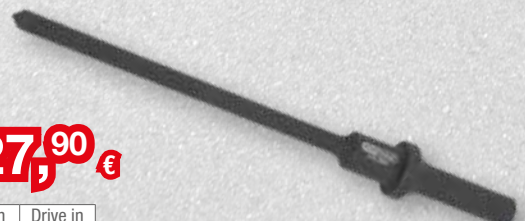
Width mm	Height mm	Length mm	Drive
40,0	130,0	68,0	Ø 10 mm

**515.3961**

### VIBRO-IMPACT PUNCH

- Suitable for use with industry-standard percussion hammers (10.0 mm holder)
- Universal use for bodywork and chassis repair
- Extension of the working range
- Utilisation of vibration and shock pulse of Vibro Power pneumatic hammer
- Robust chisel forged out of one piece
- Special tool steel

Application: Cutting exhausts, loosening of ball joint, extracting bolts and cutting metal sheets



**27,<sup>90</sup> €**

Ø mm	Length mm	Drive in mm
6,5	177,0	10 mm





## VIBRO-IMPACT EXHAUST CHISEL

- Suitable for use with industry-standard percussion hammers (10.0 mm holder)
- Universal application for work on exhaust systems
- Specially designed sounds enable the exhaust pipe (inner or outer) to be replaced to be correctly separated from the remaining one, without damaging it.
- Rotatable
- Extension of the working range
- Utilisation of vibration and shock pulse of Vibro Power pneumatic hammer
- Robust chisel forged out of one piece
- Special tool steel



Application range		
<b>515.3962</b>	Internal pipe	€ 39, <sup>50</sup>
<b>515.3963</b>	External pipe	€ 39, <sup>50</sup>

## 515.3964

### VIBRO-IMPACT SHEET METAL CUTTING TOOL WITH ANTI-ROTATION DEVICE

- Suitable for use with industry-standard percussion hammers (10.0 mm holder)
- Universal use for bodywork and chassis repair
- Extension of the working range
- Utilisation of vibration and shock pulse of Vibro Power pneumatic hammer
- Robust chisel forged out of one piece
- Special tool steel

Application: Cutting exhausts, loosening of ball joint, extracting bolts and cutting metal sheets

**39,<sup>50</sup> €**

Width mm	Length mm
20,0	175,0



## 515.3965

### VIBRO-IMPACT FLAT CHISEL WITH ANTI-ROTATION DEVICE

- Suitable for use with industry-standard percussion hammers (10.0 mm holder)
- Universal use for bodywork and chassis repair
- Extension of the working range
- Utilisation of vibration and shock pulse of Vibro Power pneumatic hammer
- Robust chisel forged out of one piece
- Special tool steel

Application: Cutting exhausts, loosening of ball joint, extracting bolts and cutting metal sheets

**39,<sup>50</sup> €**

Width mm	Length mm
19,0	190,0



## 515.3966

### VIBRO-IMPACT HALF-ROUND CHISEL WITH ANTI-ROTATION DEVICE

- Suitable for use with industry-standard percussion hammers (10.0 mm holder)
- Universal use for bodywork and chassis repair
- Extension of the working range
- Utilisation of vibration and shock pulse of Vibro Power pneumatic hammer
- Robust chisel forged out of one piece
- Special tool steel

Application: Cutting exhausts, loosening of ball joint, extracting bolts and cutting metal sheets

**39,<sup>50</sup> €**

Width mm	Length mm
26,0	195,0



## VIBRO-IMPACT SEPARATING FORK

- Suitable for use with industry-standard percussion hammers (10.0 mm holder)
- Universal use for bodywork and chassis repair
- Extension of the working range
- Utilisation of vibration and shock pulse of Vibro Power pneumatic hammer
- Robust chisel forged out of one piece
- Special tool steel

Application: Cutting exhausts, loosening of ball joint, extracting bolts and cutting metal sheets



	Width mm	
<b>515.3967</b>	20,0	€ 39, <sup>50</sup>
<b>515.3968</b>	24,0	€ 39, <sup>50</sup>
<b>515.3969</b>	35,0	€ 39, <sup>50</sup>

## 515.4880

### HIGH-PERFORMANCE VIBRO-IMPACT PNEUMATIC CHISEL HAMMER

- With non slip handle
- Air exhaust through the handle
- Ergonomic designed handle
- Air exhaust integrated in the handle
- Ideal for industry
- Efficient, gentle loosening of screw fittings
- With stepless impact regulation
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light housing from two component plastic



#### Technical data:

Chisel holder:	15 mm
Number of blows:	2500 blows/min
Vibration acceleration:	20,4 m/s <sup>2</sup>
Noise performance level:	115 dB(A)
Noise pressure level:	104 dB(A)
Air consumption:	210 l/min
Operating pressure:	max. 6.3 bar (90 psi)
Connection thread:	1/4" NPT

**921,<sup>50</sup> €**

## 515.4881

### VIBRO-IMPACT TIE ROD REMOVER

- Pneumatic chisel adapter (15 mm) for use with pneumatic chisel hammers on the market
- Extension of the working range
- Utilisation of the vibration and impact impulse of the high-performance vibro-impact
- Robust chisel forged out of one piece
- Special tool steel

**211,<sup>90</sup> €**

Width mm	Length mm
45,0	295,0







**515.4882**

**VIBRO-IMPACT FLAT CHISEL, XL**

- Pneumatic chisel adapter (15 mm) for use with pneumatic chisel hammers on the market
- Extension of the working range
- Utilisation of the vibration and impact impulse of the high-performance vibro-impact
- Robust chisel forged out of one piece
- Special tool steel

**106,90 €**

Width mm	Length mm
24,0	290,0



**515.4883**

**VIBRO-IMPACT HAMMER INSERT**

- Pneumatic chisel adapter (15 mm) for use with pneumatic chisel hammers on the market
- Extension of the working range
- Utilisation of the vibration and impact impulse of the high-performance vibro-impact
- Robust chisel forged out of one piece
- Special tool steel

**187,50 €**

Width mm	Length mm
45,0	295,0



**515.4884**

**VIBRO-IMPACT POINTED CHISEL, XL**

- Pneumatic chisel adapter (15 mm) for use with pneumatic chisel hammers on the market
- Extension of the working range
- Utilisation of the vibration and impact impulse of the high-performance vibro-impact
- Robust chisel forged out of one piece
- Special tool steel

**88,90 €**

Length mm
290,0



**515.4885**

**VIBRO-IMPACT CONCAVE INSERT**

- Pneumatic chisel adapter (15 mm) for use with pneumatic chisel hammers on the market
- Extension of the working range
- Utilisation of the vibration and impact impulse of the high-performance vibro-impact
- Robust chisel forged out of one piece
- Special tool steel

**200,50 €**

Width mm	Length mm
45,0	295,0



**515.4886**

**VIBRO-IMPACT DRIFTERS**

- Pneumatic chisel adapter (15 mm) for use with pneumatic chisel hammers on the market
- Extension of the working range
- Utilisation of the vibration and impact impulse of the high-performance vibro-impact
- Robust chisel forged out of one piece
- Special tool steel

**106,90 €**

Width mm	Length mm
20,0	225,0



**700.1350**

**UNIVERSAL BEARING AND BUSH DRIVER SET**

- Universal applicable range
- Can be used manually with a hammer or workshop press
- Applications from 18.0 - 65.0 mm
- Pressure plates are for the two driving spindles
- Special tool steel
- In durable plastic storage case

**51 pcs**



**394,90 €**

**150.9710**

**UNIVERSAL BEARING AND BUSH DRIVER SET**

- for gentle driving of bearing and radial sealing rings
- Universal applicable range
- Can be used manually with a hammer or workshop press
- Applications from 70.0 - 150.0 mm
- Pressure plates are for the two driving spindles
- Special tool steel
- In durable plastic storage case

**21 pcs**



**787,50 €**

**700.1760**

**PRESS AND PULL SLEEVE SET**

- For the assembly and disassembly of bearings
- Ideally for silent bearings, hydro bearings, bushings, ball bearings, simmer rings etc.
- Universal use for passenger cars, trucks, communal, agricultural and forest vehicles
- Outstanding to use also in connection with workshop press or hollow piston cylinder
- According to use application the sheaths individually can be reworked
- Pressure bearing protects against increased friction during the process
- In durable plastic storage case

**20 pcs**

**Attention:** the spindles need to be greased with a good lubricant for each application! Do not overload spindles, otherwise the thread lengthens and the pitch of the nut and spindle no longer match. The result: the nuts will seize up. Always check the applied force at the drive with a torque wrench!

**Maximum permitted torque:**

- Spindle M10x1,5 60 Nm
- Spindle M12x1,5 100 Nm
- Spindle M14x1,5 180 Nm
- Spindle M16x1,5 250 Nm



**551,50 €**





**700.1550**

### PRESS AND PULL SLEEVE KIT

- For the assembly and disassembly of bearings
- Ideally for silent bearings, hydro bearings, bushings, ball bearings, simmer rings etc.
- Universal use for passenger cars, trucks, communal, agricultural and forest vehicles
- Outstanding to use also in connection with workshop press or hollow piston cylinder
- According to use application the sheaths individually can be reworked
- Pressure bearing protects against increased friction during the process
- In durable plastic storage case

**Caution:** The spindles must be greased before first use! Overloading leads to unwanted material stresses or breakage Always check the power settings on the drive with a torque wrench Not to be combined with other systems

#### Maximum allowable torque moments:

- Spindle (ACME) M10 x P1.5 60 Nm
- Spindle (ACME) M12 x P2.0 120 Nm
- Spindle (ACME) M14 x P2.0 150 Nm
- Spindle (ACME) M16 x P2.5 250 Nm

**37**  
pcs



**299,90** €



**700.1700**

### PRESS AND PULL SLEEVE SET

- For the assembly and disassembly of bearings
- Ideally for silent bearings, hydro bearings, bushings, ball bearings, simmer rings etc.
- Universal use for passenger cars, trucks, communal, agricultural and forest vehicles
- Outstanding to use also in connection with workshop press or hollow piston cylinder
- According to use application the sheaths individually can be reworked
- Pressure bearing protects against increased friction during the process
- In durable plastic storage case

**Attention:** the spindles need to be greased with a good lubricant for each application! Do not overload spindles, otherwise the thread lengthens and the pitch of the nut and spindle no longer match. The result: the nuts will seize up. Always check the applied force at the drive with a torque wrench!

#### Maximum permitted torque:

- Spindle M10x1,5 60 Nm
- Spindle M12x1,5 100 Nm
- Spindle M14x1,5 180 Nm
- Spindle M16x1,5 250 Nm

**36**  
pcs



**903,50** €





**700.1800**

## COMPRESSION AND TENSION SLEEVE EXTENSION SET, LEVEL 1

- For the assembly and disassembly of bearings
- Ideally for silent bearings, hydro bearings, bushings, ball bearings, simmer rings etc.
- Universal use for construction machines, truck, municipally, country and forestry technology etc.
- Outstanding to use also in connection with workshop press or hollow piston cylinder
- According to use application the sheaths individually can be reworked
- Pressure bearing protects against increased friction during the process
- In durable plastic storage case
- Supplement set for 700.1700 / 700.1735

**22**  
pcs

**Attention:** the spindles need to be greased with a good lubricant for each application! Do not overload spindles, otherwise the thread lengthens and the pitch of the nut and spindle no longer match. The result: the nuts will seize up. Always check the applied force at the drive with a torque wrench!

**Maximum permitted torque:**

- Spindle M10x1,5 60 Nm
- Spindle M12x1,5 100 Nm
- Spindle M14x1,5 180 Nm
- Spindle M16x1,5 250 Nm
- Spindle TR20x4 400 Nm



**1332,50** €

**700.1735**

## SPINDLE SET FOR PRESS AND PULL SLEEVE SET

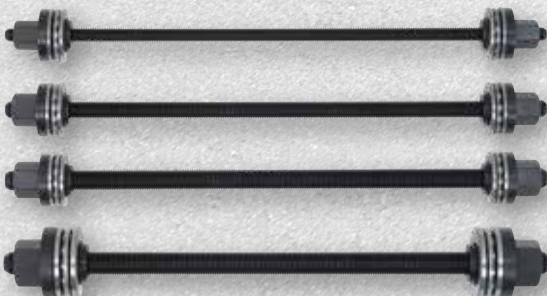
- With 4 spindles for KS press and pull sleeve set
- Thread lead: 1.5
- Pressure bearing protects against increased friction during the process
- Incl. special thread grease
- Chrome molybdenum

**13**  
pcs

**Attention:** the spindles need to be greased with a good lubricant for each application! Do not overload spindles, otherwise the thread lengthens and the pitch of the nut and spindle no longer match. The result: the nuts will seize up. Always check the applied force at the drive with a torque wrench!

**Maximum permitted torque:**

- Spindle M10x1,5 60 Nm
- Spindle M12x1,5 100 Nm
- Spindle M14x1,5 180 Nm
- Spindle M16x1,5 250 Nm



**472,90** €

**700.1805**

## COMPRESSION AND TENSION SLEEVE EXTENSION SET, LEVEL 2

- For the assembly and disassembly of bearings
- Ideally for silent bearings, hydro bearings, bushings, ball bearings, simmer rings etc.
- Universal use for construction machines, truck, municipally, country and forestry technology etc.
- Outstanding to use also in connection with workshop press or hollow piston cylinder
- According to use application the sheaths individually can be reworked
- Pressure bearing protects against increased friction during the process
- In durable plastic storage case
- Supplement set for 700.1700 + 700.1800 / 700.1735 + 700.1800

**14**  
pcs



**957,90** €

**700.1810**

## MASTER COMPRESSION AND TENSION SLEEVE SET

- For the assembly and disassembly of bearings
- Ideally for silent bearings, hydro bearings, bushings, ball bearings, simmer rings etc.
- Universal use for construction machines, truck, municipally, country and forestry technology etc.
- Outstanding to use also in connection with workshop press or hollow piston cylinder
- According to use application the sheaths individually can be reworked
- Pressure bearing protects against increased friction during the process
- In durable plastic storage case

**46**  
pcs

**Attention:** the spindles need to be greased with a good lubricant for each application! Do not overload spindles, otherwise the thread lengthens and the pitch of the nut and spindle no longer match. The result: the nuts will seize up. Always check the applied force at the drive with a torque wrench!

**Maximum permitted torque:**

- Spindle M10x1,5 60 Nm
- Spindle M12x1,5 100 Nm
- Spindle M14x1,5 180 Nm
- Spindle M16x1,5 250 Nm
- Spindle TR20x4 400 Nm



**2544,50** €





**980.1090**

### SPECIAL THREAD GREASE FOR PULLER AND PUSHER SPINDLES

- Lubricant for components subjected to high static loads, e.g. threaded spindles
- Prevents excessive wear and seizing
- Irregularities in the surface to be protected are completely filled
- Minimises the friction thanks to the closed surface
- Effective protection against corrosion
- Increases the service life of threaded spindles
- Ensures reliable function even at high temperatures up to max. 1200°C



**3,50 €**

**980.1085**

### SPECIAL THREAD GREASE FOR PULLER AND PUSHER SPINDLES AND NUTS SUBJECTED HIGH LOADS

- Lubricant for components subjected to high static loads, e.g. threaded spindles
- Prevents excessive wear and seizing
- Irregularities in the surface to be protected are completely filled
- Minimises the friction thanks to the closed surface
- Effective protection against corrosion
- Increases the service life of threaded spindles
- Ensures reliable function even at high temperatures up to max. 1200°C



**11,90 €**

### ASSEMBLY SLEEVES FOR SLOTTED SILENT BEARINGS ON COMMERCIAL VEHICLES

- Allows the pretensioning of slotted silent bearings on commercial vehicles
- Adaptor for original dimension to intake bore size with conical sleeve
- Universal solution
- For use with hydraulic and / or mechanical press tools
- Press the sleeve directly on the intake of the vehicle if possible
- Contains a selection of the most common diameters
- Polished inside wall for optimum sliding
- Sturdy design
- Low dimension

**Application:** Leaf spring, stabiliser, cab suspension etc.

**Caution:** This tool must be combined with parts of other sets (e.g. press and pull sleeve set)

**Recommended mounting paste:** e.g. MOLYKOTE G-Rapid Plus



	Dimen- sions	Length mm	Application range	
<b>700.1821</b>	58 □ 55	85,0	e.g. silent bushes for Iveco Eurosta anti-roll bar /leaf spring	€ 170,50
<b>700.1823</b>	63 □ 60	85,0	e.g. silent bushes for Iveco Eurosta anti-roll bar /leaf spring	€ 170,50
<b>700.1825</b>	68 □ 63	85,0	e.g. Mercedes anti-roll bar for Actros, Atego	€ 170,50
<b>700.1827</b>	72 □ 68	85,0	e.g. MAN front axle	€ 170,50
<b>700.1829</b>	74 □ 70	85,0	e.g. bearings with pins, Mercedes Actros Classic	€ 170,50
<b>700.1831</b>	89 □ 84	85,0	e.g. bearings with pins, Mercedes Actros anti-roll bar	€ 187,50

**460.3755**

### UNIVERSAL TENSION SLEEVE SET WITH HYDRAULIC CYLINDER 18 T

**24  
pcs**

- For the assembly and disassembly of bearings
- ideal for silent bearings, hydromounts, bushings, ball bearings, oil seals, etc.
- universal design for construction machines, trucks, municipal, agricultural and forestry technology, etc.
- for use with supplied hydraulic cylinder
- Sturdy design
- Special tool steel



**1701,50 €**

**460.3925**

### DOUBLE WISHBONE BUSHES SET FOR DAF Ø 70 MM

**8  
pcs**

- For mounting and dismounting the bushings on the wishbone of the rear axle
- Suitable for the front bearing and for the rear bearings with Ø 70mm
- Secure and easy to use
- In conjunction with a workshop press
- Special tool steel

**Application range:** DAF wishbone at the rear axle



**732,90 €**

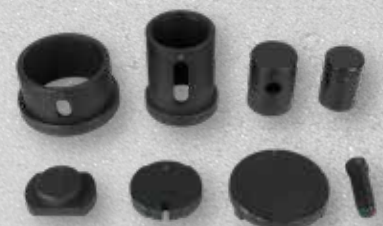
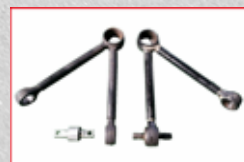
**460.4160**

### SOCKET AND WISHBONE SET FOR DAF Ø 75 MM

**8  
pcs**

- For mounting and dismounting the bushings on the wishbone of the rear axle
- Suitable for the front and rear bearings with Ø 75mm
- Secure and easy to use
- In conjunction with a workshop press
- Special tool steel

**Application range:**  
DAF wishbone at the rear axle



**691,50 €**

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**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

### Application:

- Ø 51 mm - Volvo FM12
- Ø 60 mm - DB / Renault (430/450/460)
- Ø 68 mm - MAN-TGA (410/414/460) front axle spring ROR, SAF

**19**  
pcs



Original \*CEJN®



Ø 68 mm  
MAN-TGA  
(410/414/460)



Ø 51 mm  
VOLVO(FM12)



Ø 60 mm  
RENAULT  
(430/450/460)



**1947,<sup>50</sup> €**

**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
- Usable tank volume 2081cm<sup>3</sup> = 2.081l



**1271,<sup>50</sup> €**

Connection thread	Length mm	Width mm	H mm	Output per stroke cm <sup>3</sup>
3/8" - 18 NPT	585	133	119	2,62

**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 2081cm<sup>3</sup> = 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



**2180,<sup>90</sup> €**

Connection thread	Length mm	Width mm	H 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 cm<sup>3</sup> = 1.9l
- Includes pressure tube 1.8 meters
- Motor specification 0.37kW - 220/230 V - 50/60 hertz, single phase (3.2 amperes)
- 1. Step: max. 13 bar
- 2. Step: max. 700 bar
- Output per stroke:  
1. Step: 3.31 l/min  
2. Step: 0.32 l/min



**5878,<sup>50</sup> €**

Connection thread	Length mm	Width mm	H mm
3/8" - 18 NPT	244	244	362

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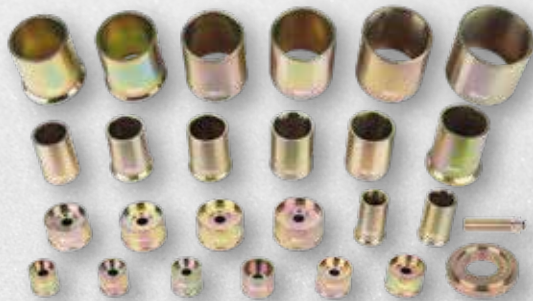


**440.0300**

## UNIVERSAL PRESS TOOL SET

- For the assembly and disassembly of bearings, bushes and ball joints
- Adapter and pressure crank allow for use with the universal press stand (440.0180)
- 24 press sleeves in different sizes
- 61 various internal and external diameters between 30.5 mm and 79.7 mm
- Universal usage for passenger cars and transporters
- Excellent usage also with work bench press
- Special tool steel

**26**  
pcs



**787,<sup>50</sup> €**

**440.9997**

## UNIVERSAL PRESS TOOL SET FOR AXLE PARTS

- For the assembly and disassembly of bearings, bushes and ball joints
- Adapter and adapter ring allow for use with the universal press stand
- 22 press sleeves with internal and external diameters between 34.0 mm and 90.0 mm
- Universal usage for passenger cars and transporters
- Outstanding to use also in connection with workshop press or hydraulic cylinder
- Special tool steel

**38**  
pcs

**Caution:** The spindles must be greased before first use! Overloading leads to unwanted material stresses or breakage. Always check the power settings on the drive with a torque wrench. Not to be combined with other systems.

### Maximum allowable torque moments:

- Spindle (ACME) M10xP1.5 60 Nm
- Spindle (ACME) M12xP2.0 120 Nm
- Spindle (ACME) M14xP2.0 150 Nm
- Spindle (ACME) M16xP2.5 250 Nm

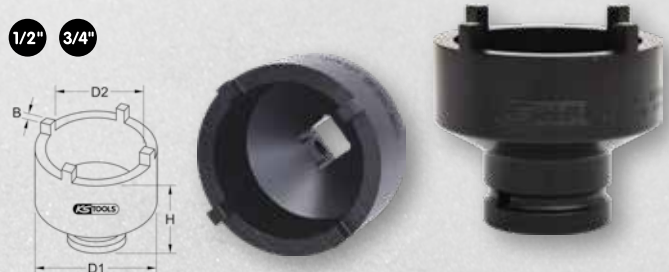


**1337,<sup>50</sup> €**

## KM LOCKNUT WRENCH, EXTERNAL SPIGOT

- For loosening and tightening groove nuts DIN 981 on crimping or clamping sleeves
- Minimum space on nut size
- Slim design
- Suitable for exact torque possible
- Pin + rubber rings for safe holding
- Working range KM4 to KM12 (nuts of ball bearing)

**Application range:** Removal and installation of bearings, gear wheels, cone roll bearings, ball bearings etc. Trucks, land and construction machines, municipally and forestry technology etc.



	4-point Receiver	For nuts	D1 mm	D2 mm	Number of studs	B mm	Height mm	
<b>450.5004</b>	1/2	KM4	37,3	28,5	4	4,0	60,0	€ <b>34,<sup>50</sup></b>
<b>450.5005</b>	1/2	KM5	44,3	34,5	4	5,0	60,0	€ <b>34,<sup>50</sup></b>
<b>450.5006</b>	1/2	KM6	52,3	41,5	4	5,0	60,0	€ <b>40,<sup>90</sup></b>
<b>450.5007</b>	1/2	KM7	59,3	48,5	4	5,0	60,0	€ <b>39,<sup>50</sup></b>
<b>450.5008</b>	1/2	KM8	65,5	53,5	4	6,0	60,0	€ <b>39,<sup>50</sup></b>
<b>450.5009</b>	3/4	KM9	73,5	60,5	4	6,0	68,0	€ <b>52,<sup>50</sup></b>
<b>450.5010</b>	3/4	KM10	78,5	65,5	4	6,0	68,0	€ <b>62,<sup>50</sup></b>
<b>450.5011</b>	3/4	KM11	82,5	70,0	4	7,0	68,0	€ <b>54,<sup>50</sup></b>
<b>450.5012</b>	3/4	KM12	87,5	74,5	4	7,0	68,0	€ <b>60,<sup>90</sup></b>

**450.5000**

## SOCKET SET FOR KM GROOVE NUTS, STUDS EXTERIOR

- For loosening and tightening groove nuts DIN 981 on crimping or clamping sleeves
- Minimum space on nut size
- Slim design
- Suitable for exact torque possible
- Pin + rubber rings for safe holding
- Working range KM4 to KM12 (nuts of ball bearing)

**Application range:** Removal and installation of bearings, gear wheels, cone roll bearings, ball bearings etc. Trucks, land and construction machines, municipally and forestry technology etc.



**350,<sup>90</sup> €**

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## KM LOCKNUT WRENCH, INTERNAL SPIGOT

- For loosening and tightening groove nuts DIN 981 on crimping or clamping sleeves
- Minimum space on nut size
- Internal studs for high torque
- Suitable for exact torque possible
- Pin + rubber rings for safe holding
- Working range KM4 to KM12 (nuts of ball bearing)

**Application range:** Removal and installation of bearings, gear wheels, cone roll bearings, ball bearings etc. Trucks, land and construction machines, municipally and forestry technology etc.



1/2" 3/4"

	4-point Receiver	For nuts	D1 mm	D2 mm	Number of studs	B mm	Height mm	
<b>450.5024</b>	1/2"	KM4	42,0	28,3	4	4,0	60,0	€ 34, <sup>50</sup>
<b>450.5025</b>	1/2"	KM5	50,0	34,3	4	5,0	60,0	€ 37, <sup>50</sup>
<b>450.5026</b>	1/2"	KM6	59,0	41,3	4	5,0	60,0	€ 39, <sup>50</sup>
<b>450.5027</b>	1/2"	KM7	66,0	48,3	4	5,0	60,0	€ 46, <sup>50</sup>
<b>450.5028</b>	1/2"	KM8	73,0	53,5	4	6,0	60,0	€ 52, <sup>50</sup>
<b>450.5029</b>	3/4"	KM9	80,0	60,5	4	6,0	68,0	€ 55, <sup>90</sup>
<b>450.5030</b>	3/4"	KM10	86,0	65,5	4	6,0	68,0	€ 66, <sup>50</sup>
<b>450.5031</b>	3/4"	KM11	93,0	69,5	4	7,0	68,0	€ 66, <sup>50</sup>
<b>450.5032</b>	3/4"	KM12	98,0	74,5	4	7,0	68,0	€ 66, <sup>50</sup>

## 450.5020

### SOCKET SET FOR KM GROOVE NUTS, STUDS INTERNAL

- For loosening and tightening groove nuts DIN 981 on crimping or clamping sleeves
- Minimum space on nut size
- Internal studs for high torque
- Use in conjunction with extensions, ratchets etc.
- Suitable for exact torque
- Pin + rubber rings for safe holding
- Working range KM4 to KM12 (nuts of ball bearing)

**Application:** Removal and installation of bearings, gear wheels, cone roll bearings, ball bearings etc. Trucks, land and construction machines, municipally and forestry technology etc.

9 pcs



1/2" 3/4"



**436,<sup>50</sup> €**

## 460.1025

### SLOTTED NUT WRENCH WITH 4 PINS FOR DAF

- 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:** DAF XLR (Euro 4) centre drive shaft bearing



3/4"

**88,<sup>90</sup> €**

D1 mm	D2 mm	D3 mm	Number of studs	B mm	H mm
72,0	57,0	50,0	4	6,0	55,0

## 455.0100

### SPECIAL SOCKET FOR 8 POINT SCREWS

- Special 8 point internal profile
- To the dismantling and assembly of the control switch for the differential lock
- Ideally suited also for various electric switches on the transmissions
- Mirror polished
- Special tool steel

**Application range:** MAN, Mercedes LKW Actros, SK Baureihe etc.



1/2"

**39,<sup>50</sup> €**

profile	Spanner width mm	Ø mm	Length mm
8 point	27	34,0	57,0

## 460.3815

### WRENCH WITH 6 PINS FOR MERCEDES

- Removal and installation of differential nuts
- External drive hexagonal socket 32.0 mm
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

**Application range:** Mercedes Citaro and Evo-Bus (ZF axle)



3/4"

**79,<sup>50</sup> €**

D1 mm	D2 mm	D3 mm	Number of studs	B mm	Depth mm	Height mm
84,0	58,0	72,0	6	10,7	9,0	60,5

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**460.4155**

### DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR DAF

- For damage-free mounting and dismounting of the differential's main shaft bearings
- Extremely sturdy execution
- Including 2 half-shell pairs
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: DAF (CF) 35 t

**8**  
pcs



**1155,<sup>50</sup> €**

**460.3685**

### DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR DAF

- For damage-free mounting and dismounting of the differential's main shaft bearings
- Extremely sturdy execution
- Including 2 half-shell pairs
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: DAF (CF) 35 t

**10**  
pcs



**903,<sup>50</sup> €**

**460.3690**

### DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR DAF AND SCANIA

- For damage-free removal of the main shaft bearings of the differential
- Extremely sturdy execution
- Including 4 half-shell pairs
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: DAF (CF) 35 t

**14**  
pcs



**1701,<sup>50</sup> €**

**460.0620**

### DIFFERENTIAL TAPERED ROLLER BEARING PULLER FOR MAN

- Designed for the damage-free removal of the cone roll bearings at the differential
- Extremely sturdy execution
- Includes 2 half shell pairs Ø 115 and Ø 137 mm
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: MAN differential roll bearing

**12**  
pcs



**1048,<sup>50</sup> €**

**460.3905**

### DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR SCANIA

- For damage-free removal of the main shaft bearings of the differential
- Extremely sturdy execution
- Including 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)

**7**  
pcs



**982,<sup>50</sup> €**





**460.3910**

### DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR VOLVO

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

Application range: Volvo (FM12)

**8**  
pcs



**854,90** €

**460.4360**

### DIFFERENTIAL MAIN SHAFT BEARINGS PULLER SET FOR VOLVO

- For damage-free removal of the main shaft bearings of the differential
- Extremely sturdy execution
- Including 3 half-shell pairs
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: Volvo FM12 (EV90/EV91)

**12**  
pcs



**1390,90** €

**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

**2**  
pcs



3/4"

**139,50** €

**460.5475**

### SHAFT SEAL ASSEMBLY MANDREL FOR MERCEDES

- ideally suited for damage-free installation of the shaft sealing rings
- To be used with a rubber hammer
- Seal seats are spared
- Special tool steel



**266,50** €

Ø 1 mm	Ø 2 mm	Ø 3 mm	Ø 4 mm	Height mm
208,0	171,5	163,5	142,0	182,0

**460.5476**

### SHAFT SEAL ASSEMBLY MANDREL FOR MERCEDES

- ideally suited for damage-free assembly of the cassette shaft seals
- To be used with a rubber hammer
- Seal seats are spared
- Special tool steel

Application range: Mercedes Actros VA 739.5 - HA 749.108/30



**145,50** €

Ø 1 mm	Ø 2 mm	Ø 3 mm	Ø 4 mm	Height mm
165,0	152,5	142,0	132,0	158,0

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## 460.5477

### SHAFT SEAL ASSEMBLY MANDREL FOR MERCEDES

- ideally suited for damage-free installation of the shaft sealing rings
- To be used with a rubber hammer
- Seal seats are spared
- Special tool steel

Application range: Mercedes Actros AP rear axles



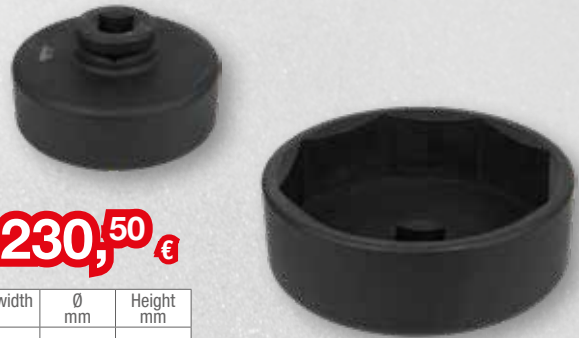
**170,50 €**

Ø 1 mm	Ø 2 mm	Height mm
176,0	142,0	164,0

## 460.1105

### HUB CAP SOCKET FOR SAF

- Internal square drive to DIN 3121 / ISO 1174
- for mounting and dismounting of grease caps on SAF axles
- 8-point
- Extremely versatile
- Suitable for exact torque on a hexagon head possible
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel



1"

**230,50 €**

Spanner width mm	Ø mm	Height mm
130,0	155,0	77,0

## 460.5478

### POLE WHEEL MOUNTING MANDREL FOR MERCEDES

- ideally suited for damage-free installation of the pole wheels
- To be used with a rubber hammer
- Seal seats are spared
- Special tool steel

Application range: Mercedes Actros VA with brake discs and ABS, lift axles as well as identical axles of supports



**187,50 €**

Ø 1 mm	Ø 2 mm	Height mm
186,0	159,0	162,0

## 460.4790

### AXLE NUT WRENCH FOR SAF

- With hexagon drive 32.0 mm
- 6 point
- Very high degree of accuracy
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel

Application range: SAF trailer axle



**112,50 €**

Spanner width mm	6-point mm	Ø mm	Height mm
85,0	32	140	102,0

## 907.2237

### CARBIDE SCRAPER

- ideal for removing stubborn impurities, sealant residues and surface treatment
- for burnt on pads on the exhaust, brakes etc.
- with a very hard-wearing carbide cutting element
- a solid blade with two scraping edges
- Extremely long service life
- works as a compression and a pulling blade
- With an ergonomic, moulded, one component handle
- With reinforcement eyelet



32 mm

210 mm

**60,90 €**

## 450.0201

### AXLE NUT WRENCH FOR SAF

- Six sided drive 36 mm
- 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: SAF axle trailers



**179,90 €**

Spanner width mm	6-point mm	Ø mm	Height mm
85,0	36	118,0	82,0

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## 450.0110

### AXLE NUT WRENCH FOR SAF

- Positive drive of the axle nut
- Sturdy design
- Can be used with an impact wrench or torque wrench
- Ideally suited for brake restoration working
- Forward tension with SW 32 mm is at 150 Nm
- Angle of rotation 20-30° with SW 46
- Special tool steel

Application range:  
SAF Euro axle etc.



**170,50 €**

Spanner width mm	6-point mm	Height mm
140,0	32	100,0

## 460.4785

### MOUNTING ARBOR FOR SAF WHEEL BEARINGS

- for the professional assembly of wheel bearings
- Sturdy design
- Special tool steel

Application range: SAF wheel hubs



**320,90 €**

Ø 1 mm	Ø 2 mm	Ø 3 mm	Ø 4 mm
185,0	174,0	165,0	158,0

## 460.4705

### WHEEL HUB PULLER SET FOR SAF

- For 140 mm hole diameters
- Sturdy design
- Threaded spindle for high pull-off force - 32 mm drive
- Special tool steel

**2  
pcs**



**139,50 €**

## 460.4815

### THRUST PIECE FOR WHEEL HUB FOR SAF

- Thrust piece for removing wheel hubs
- can be used with pullers 440.0590, 440.0610 and 450.1765
- Sturdy design
- Special tool steel

Application range: SAF wheel hubs

**60,90 €**

External Ø mm	Internal Ø mm
88,0	82,0



## 460.4845

### WHEEL BEARING MOUNTING SLEEVE FOR SAF

- ideally suited for mounting and dismantling the compact wheel bearing with wheel hub on SAF axles
- with right and left-hand thread
- Sturdy design
- Special tool steel

**112,50 €**

Thread	Ø mm	Length mm
M70 x 1.5	82,0	150,0



## 460.4875

### HD BUSHING TOOL SET FOR SAF

- ideally suited for disassembly and assembly of the HD bushings on SAF axles
- Sturdy design
- Threaded spindle for high pull-off force - 30.0 mm drive
- Special tool steel

**9  
pcs**



**1690,50 €**

## 460.4795

### WHEEL BEARING MOUNTING SLEEVE FOR SAF

- ideally suited for mounting and dismantling the compact wheel bearing with wheel hub on SAF axles
- with right and left-hand thread
- Sturdy design
- Special tool steel

**157,50 €**

Thread	Ø mm	Length mm
M75 x 1.5	88,0	150,0







# AXLES - SPECIAL TOOLS



**460.4885**

## 3D BUSHING TOOL SET FOR SAF AXLES, MERCEDES DCA AND HT AXLES

- ideally suited for disassembly and assembly of 3D bushings on SAF and Mercedes axles
- Sturdy design
- Trapezoid thread spindle for high removal power - drive 30 mm
- Special tool steel

Application range: SAF and Mercedes axles

**12**  
pcs



**1455,50** €

**460.4695**

## DRIVE-IN MANDREL FOR CASSETTE SEALING RING ON SAF AXLES

- ideally suited for mounting cassette sealing rings on SAF axles
- Sturdy design
- Special tool steel

Application range: SAF axles

**2**  
pcs



**357,50** €

**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 saving
- Special 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)

**36**  
pcs



**1055,50** €

**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



**363,90** €

**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



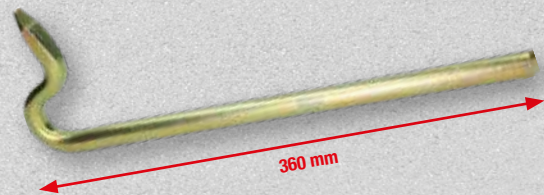
**309,50** €

Ø 1 mm	Ø 2 mm	Ø 3 mm	Height mm
159,0	138,0	80,0	104,0

**460.4850**

## DOUBLE LEVER FOR SNAP RING RIMS

- ideally suited for dismantling snap ring rims
- Special shape
- Special tool steel



**66,50** €

**460.4855**

## OPENING LEVER FOR THREE-PIECE RIMS

- ideally suited for the assembly and disassembly of three-piece rims
- Special shape
- Special tool steel



**79,50** €

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**460.4835**

### BRAKE SHOE CLAMPING DEVICE FOR SAF

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

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



**230,50** €

**6**  
pcs

**460.4925**

### LOCK TESTER 2" FOR CHECKING THE WEAR LIMIT OF THE FIFTH WHEEL COUPLING

- Relevant for the backup check
- Sturdy design
- Special tool steel

Application range: fifth-wheel coupling



**623,90** €

**440.0385**

### BUSHING SET FOR SAF

- for mounting and dismantling the 3D bearing (150mm) on SAF axles
- extremely robust 500mm tie rods with inductively hardened thread
- Enables use directly on the vehicle
- ideal for use with 32t hydraulic cylinder (440.0025)
- Simple handling
- Special tool steel

Recommended hydraulic cylinder: 32t (440.0025)  
Application range: SAF axle



**654,90** €

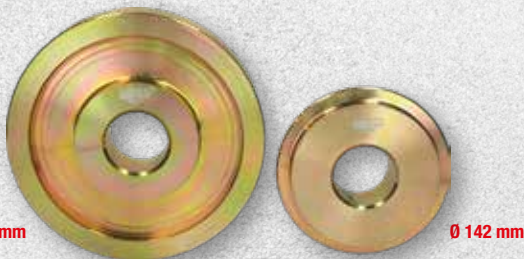
**6**  
pcs

**460.4700**

### CLAMPING FIXTURE SET FOR DRUM LATHE Ø 50 MM

- suitable for use with brake drum lathe
- Sturdy design
- Special tool steel

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



Ø 205 mm

Ø 142 mm

**527,50** €

**2**  
pcs

**460.4710**

### 3.1/2" LIMIT GAUGE FOR CHECKING THE WEAR LIMIT OF THE KINGPIN

- to check the wear limit of the kingpin
- relevant for the safety check
- Sturdy design

Application range: kingpin



**90,90** €

### WHEEL CAP IMPACT WRENCH FOR BPW

- For the assembly and dismantling of grease caps on BPW axles
- 8-point
- Extremely versatile
- With impact area
- For heavy duty applications
- For manual use
- Special tool steel



	Spanner width mm	Length mm	
<b>460.4685</b>	95	233,0	€ 106,90
<b>460.4690</b>	110	240,0	€ 112,50

### WHEEL CAP IMPACT WRENCH FOR BPW

- For the assembly and dismantling of grease caps on BPW axles
- Flat oval form
- Extremely versatile
- With impact area
- For heavy duty applications
- For manual use
- Special tool steel



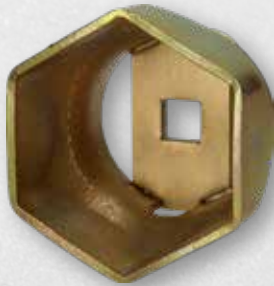
	Spanner width mm	Length mm	
<b>460.4675</b>	95	233,0	€ 106,90
<b>460.4680</b>	110	240,0	€ 112,50





## AXLE NUT WRENCH FOR BPW

- Internal square
- 6 point
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- Special tool steel



3/4"

	Spanner width mm	Length mm	
<b>460.4933</b>	46	155,0	€ 52, <sup>50</sup>
<b>460.4936</b>	70	80,0	€ 72, <sup>90</sup>
<b>460.4938</b>	85	300,0	€ 79, <sup>50</sup>
<b>460.4939</b>	95	85,0	€ 88, <sup>90</sup>
<b>460.4940</b>	100	80,0	€ 100, <sup>50</sup>

## 450.0215

### AXLE NUT WRENCH FOR BPW

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

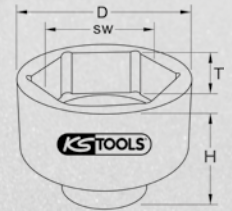
Application range:  
BPW axle nuts (crown nuts)  
16 tonne axles



3/4"

**170,<sup>50</sup> €**

Spanner width mm	D mm	Height mm	T mm
85,0	110,0	84,0	33,0



## AXLE NUT WRENCH FOR BPW

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



3/4"

	Spanner width mm	Ø mm	Height mm	
<b>450.0204</b>	65,0	82,0	66,0	€ 100, <sup>50</sup>
<b>450.0205</b>	80,0	100,0	80,0	€ 146, <sup>50</sup>

## 460.4943

### AXLE NUT WRENCH FOR BPW

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

Application range: BPW axles



1/2"

**112,<sup>50</sup> €**

Spanner width mm	Ø mm	Height mm
46	64	64,0



## 460.4150

### AXLE NUT WRENCH FOR BPW

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



3/4"

**145,<sup>50</sup> €**

Spanner width mm	Ø mm	Height mm
85	117	70,0



## AXLE NUT WRENCH FOR BPW

- Internal square drive to DIN 3121 / ISO 1174
- Flat oval form
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel



1/2"

	Spanner width mm	Ø mm	Height mm	
<b>460.4944</b>	65	82	78,0	€ 145, <sup>50</sup>
<b>460.4945</b>	80	100	78,0	€ 205, <sup>50</sup>

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## 460.4946

### HUB CAP SOCKET FOR BPW

- for mounting and dismantling BPW hubcaps
- 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

1"

**200,50 €**

Spanner width mm	Ø mm	Height mm
95	115	91,0



## 450.0207

### HUB CAP SOCKET FOR BPW

- For the assembly and dismantling of grease caps on BPW axles
- Extremely versatile
- Flat oval form
- Suitable for exact torque on a hexagon head possible
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel

**133,90 €**

Spanner width mm	6-point mm	Ø mm	Height mm
95,0	41	110,0	90,0



## 460.1325

### HUB CAP SOCKET FOR BPW

- Internal square drive to DIN 3121 / ISO 1174
- For the assembly and dismantling of grease caps on BPW axles
- 8-point
- Extremely versatile
- Suitable for exact torque on a hexagon head possible
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel

3/4"

**170,50 €**

Spanner width mm	Ø mm	Height mm
110,0	132,0	80,0



## 450.0208

### HUB CAP SOCKET FOR BPW

- For the assembly and dismantling of grease caps on BPW axles
- Extremely versatile
- Flat oval form
- Suitable for exact torque on a hexagon head possible
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel

**187,50 €**

Spanner width mm	6-point mm	Ø mm	Height mm
111,0	41	132,0	90,0



## 460.0415

### HUB CAP SOCKET FOR BPW

- For the assembly and dismantling of grease caps on BPW axles
- 8-point
- Extremely versatile
- Suitable for exact torque on a hexagon head possible
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel

**157,50 €**

Spanner width mm	6-point mm	Ø mm	Height mm
111,0	41	130,0	95,0



## 460.0420

### AXLE NUT WRENCH FOR BPW

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

Application range: BPW axles 12 t

**188,50 €**

Spanner width mm	Ø mm	Height mm
111,0	132,0	80,0

1"







## 460.0410

### AXLE NUT WRENCH FOR BPW

- With six sided drive 41 mm
- 8-point
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel

Application range: BPW axles 16 t



**187,50 €**

Spanner width mm	Ø mm	Height mm
120,0	142,0	95,0

## 460.1830

### WHEEL CAP SOCKET WRENCH FOR BPW

- for mounting and dismounting BPW hubcaps
- Internal square drive to DIN 3121 / ISO 1174
- Flat oval form
- High accuracy of fit
- Extremely robust version
- Suitable for high tightening and loosening torque
- For machinery usage
- Special tool steel

Application range: BPW axles ECO / ECO Plus 2



1"

**200,50 €**

Spanner width mm	Ø mm	Height mm
120	143,0	78,0



### UNIVERSAL WHEEL HUB PULLER

- Extracting the wheel hubs and/or housing over the grease cap thread
- Six sided drive enable unscrewing on the cap
- Sturdy design
- Special tool steel



	Size outside thread	Application for	
<b>460.4810</b>	M84 x 2 mm	610.1901	€ 100,50
<b>460.4800</b>	M115 x 3 mm	450.0077	€ 127,50

### TAPERED ROLLER BEARING PRESS-IN TOOL FOR BPW

- Bearing installation aid
- For damage free mounting
- Extremely versatile
- Special tool steel

Application range: Tapered roller bearing outer rings



	Ø mm	
<b>460.4952</b>	100,0	€ 88,90
<b>460.4956</b>	113,0	€ 100,50
<b>460.4955</b>	123,0	€ 106,90
<b>460.4957</b>	123,0	€ 106,90
<b>460.4954</b>	142,0	€ 133,90
<b>460.4951</b>	157,0	€ 133,90
<b>460.4953</b>	160,0	€ 139,50

### RACEWAY PRESS-IN TOOL FOR BPW

- Raceway installation aid
- For damage free mounting
- Extremely versatile
- Special tool steel

Application range: Hub sealing rings



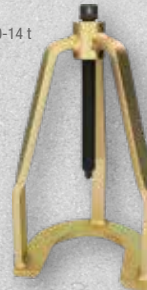
	Ø mm	Height mm	suitable for	
<b>460.4958</b>	139,0	48,0	02.5683.62.00	€ 248,50
<b>460.4960</b>	159,0	38,0	02.5683.80.00	€ 211,90
<b>460.4959</b>	159,0	48,0	02.5683.63.00	€ 291,50

## 460.4870

### TAPER ROLLER BEARING EXTRACTOR FOR BPW

- ideally suited for the removal of fixed tapered roller bearings with thrust ring
- Sturdy design
- Threaded spindle for high pull-off force
- Special tool steel

Application range: BPW axles 10-14 t



**320,90 €**

## 460.4755

### POLE WHEEL MOUNTING TOOL FOR BPW

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

Application range: BPW EcoPlus 8 - 9 t axles



**90,90 €**

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**460.4961**

### INSTALLATION TOOL FOR EXCITER RING ON BPW AXLES

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

Application range: BPW EcoPlus 3 axles



**170,50 €**

**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

**3 pcs**



**151,90 €**

**460.1010**

### BPW SEAL ASSEMBLY PIN

- Ideal for the protective assembly of seals
- Suitable for manual operation
- To be used with a rubber hammer
- Special tool steel

Application range: BPW 12 t trailer



**112,50 €**



Ø mm	Length mm
159,0	166,0

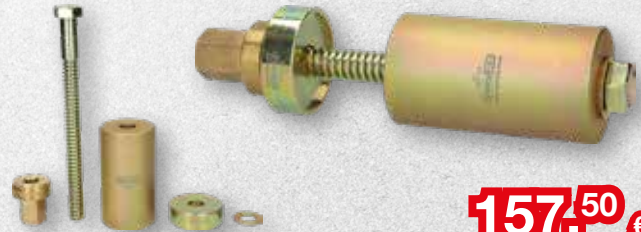
**460.4860**

### ASSEMBLY TOOL SET FOR BRASS BUSHING LOCATING BEARING

- ideally suited for disassembly and assembly of brass bushes Fixed bearing on disc brakes
- Sturdy design
- Special tool steel

**5 pcs**

Application range: BPW disc brakes



**157,50 €**

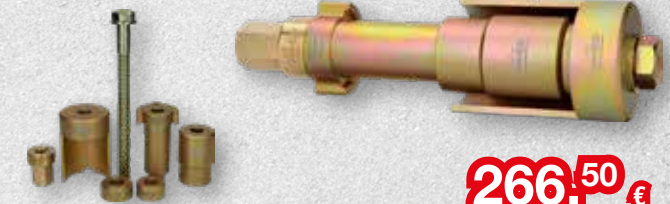
**460.4905**

### PULL-OUT AND PULL-IN TOOL FOR FLOATING BEARINGS AND GUIDE SLEEVES BPW

- for professional brake repair
- for pulling out and in of the guide sleeves of the floating bearings
- Secure and easy to use
- Very high degree of accuracy
- Enormous time and cost saving
- Special tool steel

**7 pcs**

Application range: BPW SH and SKH



**266,50 €**

**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
- Special tool steel

Application range: BPW (SN300, SN360 and SN420)



300 mm

**34,50 €**

**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



320 mm

**320,90 €**

**460.4760**

### STEEL-RUBBER BUSHES DISMANTLING ASSEMBLY TOOL FOR BPW

- Assembly and disassembly of bushings
- ideally suited for steel-rubber bushings on shackle stabilisers
- Enables de -and assembly directly on the vehicle
- Easy to use
- Saves a lot of time
- Special tool steel

**6 pcs**



**218,50 €**





## STEEL-RUBBER BUSHES ASSEMBLY TOOL FOR BPW

- universally applicable for the removal and installation of steel-rubber bushings
- excellent for use in combination with a workshop press
- Easy to use
- Saves a lot of time
- for light and heavy trucks
- Special tool steel

Application range: BPW ECO Plus 2

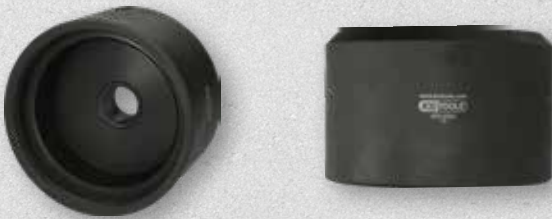


	Ø mm	
<b>460.4990</b>	24,0	€ 200, <sup>50</sup>
<b>460.4991</b>	30,0	€ 200, <sup>50</sup>

## SCREW-IN HEAD FOR BPW

- ideally suited for aligning axes and assemblies in conjunction with measuring tubes 460.4995 and 460.4996
- also suitable as extraction device for hubs in connection with the forcing-off screw 460.4997
- Sturdy design
- Special tool steel

Application range: BPW axles



	Receiver mm	
<b>460.4992</b>	M125 x 2	€ 357, <sup>50</sup>
<b>460.4993</b>	M135 x 2	€ 405, <sup>50</sup>
<b>460.4994</b>	M136 x 2,5	€ 393, <sup>90</sup>

## 460.4995

### MEASURING TUBE FOR BPW

- ideally suited for aligning axes and assemblies in conjunction with the screw-in heads 460.4992, 460.4993 and 460.4994
- Sturdy design
- Special tool steel

Application range: BPW axles



**291,<sup>50</sup> €**

## 460.4996

### MEASURING TUBE EXTENSION FOR BPW

- ideally suited for aligning axes and assemblies in conjunction with the screw-in heads 460.4992, 460.4993 and 460.4994
- Sturdy design
- Special tool steel

Application range: BPW axles



**291,<sup>50</sup> €**

## 460.4997

### JACKING BOLT FOR BPW

- ideally suited as extraction device for hubs in connection with the screw-in heads 460.4992, 460.4993 and 460.4994
- Sturdy design
- Special tool steel

Application range: BPW axles



**133,<sup>90</sup> €**

## 150.1810

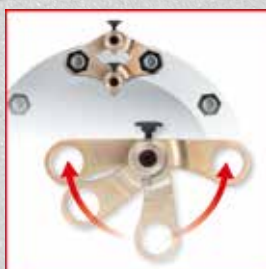
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- For repair work on steering and suspension components
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- Independent of mains power supply and measuring location
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Application range: Use of transporters, trucks, buses, trailers and semi-trailers



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