

K15



KS TOOLS



WHEEL / TYRE FITTING



Innovation is
our mission!



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HUB CAP TOOLS

Release lever for the disassembly of plastic hub caps with protective insulation

- Easier release lever for the damage-free disassembly of plastic hub caps
- Blade-like tapered lever head for the tightest spaces
- With protective insulation
- Ergonomic single component handle



	L mm	g
911.8150	300.0	190

Release lever for the assembly and disassembly of plastic hub caps

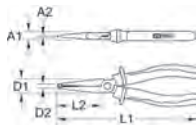
- Release lever for the damage-free assembly and disassembly of plastic hub caps
- Optimally moulded lever end
- Blade-like tapered lever head for the tightest spaces
- With integrated rubber mallet for hitting the plastic hub caps
- Ergonomic single component handle



	L mm	g
911.8155	360.0	550

Pliers for the mounting and disassembly of wheel bolt protective caps

- For the mounting and disassembly of wheel bolt caps on aluminium rims
- Specially shaped pliers tip for the optimal removal of wheel bolt protective caps
- With two component handle
- Matt chrome
- Chrome vanadium



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
150.2023	0,0-11,5	6.5	20.0	7.0	200.0	64.0	260

MAGNETIC HOLDERS

Metal magnetic holder

- Creates an organised working area
- Positive and safe mounting
- With 2 exceptionally strong magnets (Ø each 80 mm)
- Has reinforcement on the elevated section
- Impact wrench, sockets and a torque wrench can all be left in their set place



	L mm	g
800.0190	390.0	1.46

Plastic magnetic bowl

- Oblique opening
- For holding screws and other small parts
- Magnetic plate is covered with rubber
- Plastic



	Ø mm	g
800.0156	150	750

Stainless steel magnetic tray

- 1 magnet
- For holding screws and other small parts such as wheel nuts
- Magnetic plate is covered with plastic
- Stainless steel



	Ø mm	g
800.0150	150,0	430



Stainless steel magnetic tray

- 2 magnets
- For holding screws and other small parts such as wheel nuts
- Magnetic plate is covered with plastic
- Stainless steel



	L mm	B mm	g
800.0151	240.0	140.0	850

TYRE STORAGE

Wheel bolt bag

- Ideal for the storage of wheel bolts
- With handy drawstring for closing
- Made from 100% cotton



	g
500.8032	Wheel bolt bag 20

Tire bags

- Protects the vehicle interior when transporting tires
- Ideal for storage in the garage or workshop
- LDPE plastic
- Delivery on perforated roll



	Length mm	Width mm	Height mm	Colour code	Content	kg
500.8088	700.0	350.0	900.0	white	100	4.00

TORSION RODS

Torsional torque limiter extension

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- Internal square in accordance with DIN 3120/ISO 1174
- For machine operation
- Colour coded for better overview
- Chrome molybdenum



	Colour code	max N·m	L mm	D mm	g
515.1061	●	90	195.0	25.0	270
515.1062	●	100	195.0	25.0	270
515.1063	○	110	195.0	25.0	270
515.1064	●	120	195.0	25.0	270
515.1065	●	135	195.0	25.0	270

Torsional torque limiter extension set

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- Internal square in accordance with DIN 3120/ISO 1174
- For machine operation
- Colour coded for better overview
- Chrome molybdenum



	g
515.1060 5 pcs 90 - 100 - 110 - 120 - 135 N·m	1.37

consists of:

	g
515.1061 Torsion bar extension, 1/2", 90Nm	270
515.1062 Torsion bar extension, 1/2", 100Nm	270
515.1063 Torsion bar extension, 1/2", 110Nm	270
515.1064 Torsion bar extension, 1/2", 120Nm	270
515.1065 Torsion bar extension, 1/2", 135Nm	270

Torsional torque limiter socket 17 mm x 75 N·m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Renault, Škoda, Suzuki



	Colour code	mm	max N·m	L mm	D mm	g
515.1472	●	17,0	75	220,0	26,0	300

Torsional torque limiter socket 17 mm x 95 N·m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Opel, Renault



	Colour code	mm	max N·m	L mm	D mm	g
515.1473	○	17,0	95	220,0	26,0	300

Torsional torque limiter socket 17 mm x 110 N·m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Audi, BMW, Opel, Porsche and Volkswagen



	Colour code	mm	max N·m	L mm	D mm	g
515.1474	●	17,0	110	220,0	26,0	300

Torsional torque limiter socket 19 mm x 55 N·m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Alfa Romeo, Citroën, Fiat, Honda, Hyundai, Peugeot, Renault, Rover



	Colour code	mm	max N·m	L mm	D mm	g
515.1475	●	19,0	55	220,0	28,0	300

Torsional torque limiter socket 19 mm x 90 N·m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Alfa Romeo, Citroën, Fiat, Ford, Lada, Opel, Peugeot, Renault, Rover, Volvo



	Colour code	mm	max N·m	L mm	D mm	g
515.1476	●	19,0	90	220,0	28,0	300

Torsional torque limiter socket 19 mm x 110 N·m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Alfa Romeo, Fiat, Ford, Honda, Hyundai, Isuzu, Kia, Mercedes, Rover, Saab, Volvo



	Colour code	mm	max N·m	L mm	D mm	g
515.1477	●	19,0	110	220,0	28,0	300

Torsional torque limiter socket 19 mm x 135 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Ford, Porsche



Colour code	mm	max N-m	L mm	D mm	g
515.1478	19,0	135	220,0	28,0	300

Torsional torque limiter socket 21 mm x 95 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Ford



Colour code	mm	max N-m	L mm	D mm	g
515.1481	21,0	95	220,0	30,0	300

Torsional torque limiter socket 19 mm x 100 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Fiat Ulysse, Fiat Multipla



Colour code	mm	max N-m	L mm	D mm	g
515.1484	19,0	100	220,0	28,0	300

Torsional torque limiter socket 21 mm x 80 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Mitsubishi, Rover



Colour code	mm	max N-m	L mm	D mm	g
515.1479	21,0	80	220,0	30,0	300

Torsional torque limiter socket 17 mm x 120 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Audi, Škoda



Colour code	mm	max N-m	L mm	D mm	g
515.1482	17,0	120	220,0	26,0	300

Torsional torque limiter socket 19 mm x 150 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Mercedes M-class



Colour code	mm	max N-m	L mm	D mm	g
515.1485	19,0	150	220,0	28,0	300

Torsional torque limiter socket 21 mm x 110 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Daihatsu, Ford, Mazda, Mitsubishi, Nissan, Toyota



Colour code	mm	max N-m	L mm	D mm	g
515.1480	21,0	110	220,0	30,0	300

Torsional torque limiter socket 17 mm x 150 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Mercedes S-class



Colour code	mm	max N-m	L mm	D mm	g
515.1483	17,0	150	220,0	26,0	300

Torsional torque limiter socket 22 mm x 80 N-m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Jaguar (only steel rims)



Colour code	mm	max N-m	L mm	D mm	g
515.1486	22,0	80	220,0	32,0	300

Torsional torque limiter socket 22 mm x 100 N·m

- Ideal for the time-saving pre-tightening of wheel bolts and nuts with impact wrenches
- Automatic tightening stop prevents damage to rims and bolts
- Combines the speed of impact wrenches with the precision of torque wrenches
- Absorbs excessive torque and limits to the respective torque
- Square drive as per DIN 3121/ISO 1174 with ball stop
- For machine operation
- Colour coded for better overview
- Chrome molybdenum

Application range: Jaguar (only aluminium rims)



Colour code	mm	max N·m	L mm	D mm	g
515.1487	22,0	100	220,0	32,0	300

SPECIAL BORING TOOLS

Special force socket set with spiral grooves for damaged wheel bolts and nuts

- Dual profile sockets have spiral grooves and hexagonal profiles
- Self-fastening aggressive special spiral profile
- For loosening badly damaged wheel bolts and nuts
- The square drive is located in the central part of the socket
- For machine operation
- Phosphate
- Chrome molybdenum



g
913.1280 3 pcs Special force socket set with spiral grooves for damaged wheel bolts and nuts 600

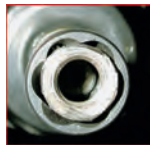
consists of:

g
913.1281 1/2" Spiral profile impact socket 17 mm 130
913.1282 1/2" Spiral profile impact socket 19 mm 170
913.1283 1/2" Socket Extension, 75 mm 160



Special force socket set with spiral grooves for damaged wheel bolts and nuts

- Dual profile sockets have fine and coarse spiral groove profiles
- Self-fastening aggressive special spiral profile
- For loosening badly damaged wheel bolts and nuts
- Square drive as per DIN 3121/ISO 1174
- For machine operation
- Phosphate
- Chrome molybdenum



g
913.1270 3 pcs Special force socket set with spiral grooves for damaged wheel bolts and nuts 600

consists of:

g
913.1271 1/2" Spiral profile impact socket 17 mm 140
913.1272 1/2" Spiral profile impact socket 19 mm 200
913.1273 1/2" Spiral profile impact socket 21 mm 210

Special force socket with spiral grooves for damaged wheel bolts and nuts, extra long

- Self-fastening aggressive special spiral profile
- For loosening badly damaged wheel bolts and nuts
- Square drive as per DIN 3121/ISO 1174
- Extra-long execution
- For machine operation
- Phosphate
- Chrome molybdenum



mm	L mm	g
913.1291 17	145,0	300
913.1292 19	145,0	320
913.1293 21	145,0	340

Special force socket set with spiral grooves for damaged wheel bolts and nuts, extra long

- Self-fastening aggressive special spiral profile
- For loosening badly damaged wheel bolts and nuts
- Includes impact mandrel
- Square drive as per DIN 3121/ISO 1174
- Extra-long execution
- For machine operation
- Phosphate
- Chrome molybdenum
- In durable plastic storage case



g
913.1290 4 pcs Special force socket set with spiral grooves for damaged wheel bolts and nuts, extra long 1.50

consists of:

g
913.1291 1/2" Spiral profile impact socket 17 mm 300
913.1292 1/2" Spiral profile impact socket 19 mm 320
913.1293 1/2" Spiral profile impact socket 21 mm 340
913.1295 Impact bar 540

WHEEL BOLTING SOCKET WRENCH

Hexagon impact socket set, deep

- 6 point
- According to DIN 3129 / ISO 2725-2
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Phosphate finish
- Chrome molybdenum
- Includes storage rail



g
515.0103 3 pcs 17 - 19 - 21 mm 860

consists of:

g
515.1117 Impact socket, deep, 1/2", 17mm 220
515.1119 Impact socket, deep, 1/2", 19mm 220
515.1121 Impact socket, deep, 1/2", 21mm 220

Aluminium wheel impact socket, deep

- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Plastic sleeves for the damage free work on aluminum rims
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Chrome vanadium



Colour code	mm	L mm	D1 mm	D2 mm	T mm	Replacement sleeves	g
515.2015	15,0	85,0	21,0	25,0	23,0	515.2035	180
515.2017	17,0	85,0	24,0	30,0	23,0	515.2030	231
515.2019	19,0	85,0	26,0	30,0	23,0	515.2031	235
515.2021	21,0	85,0	28,0	30,0	23,0	515.2032	258
515.2022	22,0	85,0	30,0	32,0	23,0	515.2033	320

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Aluminium wheel impact socket set, deep

- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square to DIN 3121 / ISO 1174 with ball reception
- For machinery usage
- Plastic sleeves for the damage free work on aluminum rims
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Chrome vanadium
- In durable plastic case

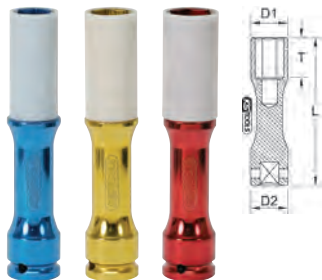


1/2"

515.1005	3 pcs	17 - 19 - 21 mm			0.86
515.1006	4 pcs	17 - 19 - 21 - 22 mm			1.45
515.1007	5 pcs	15 - 17 - 19 - 21 - 22 mm			1.40

Aluminium wheel impact socket, extra deep

- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Extra long execution
- For machinery usage
- Plastic sleeves for the damage free work on aluminum rims
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Chrome vanadium



1/2"

	Colour code	mm	L mm	D1 mm	D2 mm	T mm	Replacement sleeves	
515.2040	Blue	17,0	150,0	28,0	30,0	31,0	515.2045	600
515.2041	Yellow	19,0	150,0	29,5	30,0	31,0	515.2046	650
515.2042	Red	21,0	150,0	31,0	30,0	31,0	515.2047	700

Aluminium wheel impact socket set, extra deep

- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Extra long execution
- For machinery usage
- Plastic sleeves for the damage free work on aluminum rims
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Chrome vanadium
- In durable plastic case



1/2"

515.1040	6 pcs	Aluminium wheel impact socket set, extra deep			1.45

consists of:

515.2040	Impact socket, XXL, blue, 1/2", 17mm	600			
515.2041	Impact socket, XXL, yellow, 1/2", 19mm	650			
515.2042	Impact socket, XXL, red, 1/2", 21mm	700			
515.2045	Replacement plastic sleeve, 17mm	10			
515.2046	Replacement plastic sleeve, 19mm	10			
515.2047	Replacement plastic sleeve, 21mm	10			

Special aluminium wheel impact socket, extra deep

- Specially for the wheel assembly and/or dismantling on aluminium sports wheels with deep lying wheel screws
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Extra long and thin walled execution
- For machinery usage
- Plastic sleeves for the damage free work on aluminum rims
- Plastic sleeves interchangeable
- Phosphate finish
- Chrome molybdenum



1/2"

	mm	L mm	D1 mm	D2 mm	T mm	Replacement sleeves	
515.2043	17,0	130,0	28,0	30,0	19,0	515.2044	350

Special aluminium wheel impact socket for special profile, long

- Especially for wheel mounting or disassembly of Mercedes special profile wheel bolts
- Square drive as per DIN 3121/ISO 1174 with backstop groove
- Long design
- Plastic-coated for the damage-free working on aluminium rims
- Replaceable plastic sleeve
- Phosphate
- Chrome molybdenum

Application range: Mercedes C-class (W204), CL-class (W216), GLK (W204), E-class (W211, W212, W207), M-class (W166), S-class (W221, W222), SLK (W172), Maybach



1/2"

	mm	L mm	D1 mm	D2 mm	T mm	Replacement sleeves	
515.2055	MS17	88,0	26,0	26,0	18,0	515.2056	257

Aluminium wheel impact socket, deep

- Robust execution
- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Plastic sleeves for the damage-free work on aluminium rims
- Plastic sleeve it protects the surfaces at the wheel screws/nuts
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Phosphate finish
- Chrome molybdenum



1/2"

	Colour code	mm	L mm	D1 mm	D2 mm	T mm	Replacement sleeves	
515.1072	Green	15,0	85,0	24,4	25,0	23,0	515.2053	150
515.1073	Blue	17,0	85,0	26,5	30,0	23,0	515.2050	220
515.1075	Yellow	19,0	85,0	28,5	30,0	23,0	515.2051	235
515.1076	Red	21,0	85,0	30,5	30,0	23,0	515.2052	257
515.1077	Orange	22,0	85,0	31,6	32,0	23,0	515.2054	262



Aluminium wheel impact socket set, deep

- Robust execution
- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Plastic sleeves for the damage-free work on aluminium rims
- Plastic sleeve it protects the surfaces at the wheel screws/nuts
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Phosphate finish
- Chrome molybdenum
- In durable plastic case



1/2"

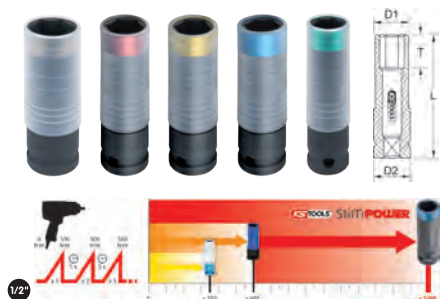
515.1070	3 pcs	17 - 19 - 21 mm			780

consists of:

515.1073	Torque impact socket, deep, 1/2", 17mm	220			
515.1075	Torque impact socket, deep, 1/2", 19mm	235			
515.1076	Torque impact socket, deep, 1/2", 21mm	257			

SlimPOWER Alloy rim impact socket, deep

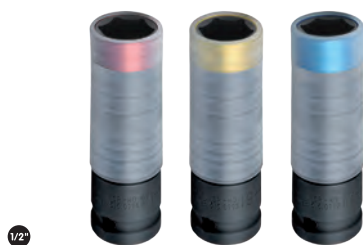
- Very robust execution
- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Plastic sleeves for the damage-free work on aluminium rims
- Plastic sleeve it protects the surfaces at the wheel screws/ nuts
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Phosphate finish
- Chrome molybdenum



	Colour code	mm	L mm	D1 mm	D2 mm	T mm	g
515.0991	Green	15,0	86,0	24,5	23,5	20,0	155
515.0992	Blue	17,0	86,0	26,0	25,5	20,0	220
515.0993	Yellow	19,0	86,0	26,0	27,5	20,0	207
515.0994	Red	21,0	86,0	26,0	29,5	20,0	251
515.0995	Grey	22,0	86,0	32,0	30,0	20,0	266

SlimPOWER Alloy rim impact socket set, deep

- Very robust execution
- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Plastic sleeves for the damage-free work on aluminium rims
- Plastic sleeve it protects the surfaces at the wheel screws/ nuts
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Phosphate finish
- Chrome molybdenum
- In durable plastic case



		mm	g
515.0989	2 pcs	17 - 19 mm	404
515.0990	3 pcs	17 - 19 - 21 mm	791



SlimPOWER Alloy rim impact socket, extra deep

- Very robust execution
- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Extra long execution
- For machinery usage
- Plastic sleeves for the damage-free work on aluminium rims
- Plastic sleeve it protects the surfaces at the wheel screws/ nuts
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Phosphate finish
- Chrome molybdenum



	Colour code	mm	L mm	D1 mm	D2 mm	T mm	g
515.0617	Blue	17,0	150,0	26,5	29,0	20,0	385
515.0618	Yellow	19,0	150,0	28,5	29,5	20,0	405
515.0619	Red	21,0	150,0	30,0	29,5	20,0	425

SlimPOWER Alloy rim impact socket set, extra deep

- Very robust execution
- Specially for the wheel assembly and/or dismantling
- 6 point
- Internal square drive to DIN 3121 / ISO 1174
- Long execution
- For machinery usage
- Plastic sleeves for the damage-free work on aluminium rims
- Plastic sleeve it protects the surfaces at the wheel screws/ nuts
- Plastic sleeves interchangeable
- Colour coded identifies the socket size
- Phosphate finish
- Chrome molybdenum
- In durable plastic case



		mm	g
515.0621	2 pcs	17 - 19 mm	800
515.0622	3 pcs	17 - 19 - 21 mm	1300

OZ special aluminium rims socket for multi-piece OZ rims

- Custom-fit special profile for disassembling multi-piece OZ rims
- Also suitable for BBS, AMG, RH, etc. rims with OZ bolting
- Square drive as per DIN 3121/ISO 1174 with backstop groove
- Professional and damage-free assembly and disassembly
- Time-saving finishing and repair
- Matt finish
- Chrome vanadium



	Profile	mm	L mm	D1 mm	D2 mm	T mm	g
515.1033	10 point	8,0	60,0	12,0	23,0	8,0	80
515.1034	10 point	10,0	60,0	14,0	23,0	8,0	80

OZ special aluminium rims bit socket for multi-piece OZ rims

- Custom-fit special profile for disassembling multi-piece OZ rims
- Also suitable for BBS, AMG, RH, etc. rims with OZ bolting
- Square drive as per DIN 3121/ISO 1174 with backstop groove
- Professional and damage-free assembly and disassembly
- Time-saving finishing and repair
- Matt finish
- Chrome vanadium



	Profile	L mm	D mm	T mm	g
515.1036	10 point	90,0	23,0	52,0	100

Special OZ socket set for multi-pieces aluminum rims

- Custom-fit special profile for disassembling multi-piece OZ rims
- Also suitable for BBS, AMG, RH, etc. rims with OZ bolting
- Square drive as per DIN 3121/ISO 1174 with backstop groove
- Professional and damage-free assembly and disassembly
- Time-saving finishing and repair
- Matt finish
- Chrome vanadium



		g
515.1039	3 pcs Special OZ socket set for multi-pieces aluminum rims	280

consists of:

		g
515.1033	OZ special aluminium rims socket for multi-piece OZ rims, 8 mm	80
515.1034	OZ special aluminium rims socket for multi-piece OZ rims, 10 mm	80
515.1036	OZ special aluminium rims bit socket for multi-piece OZ rims, 8 mm, 90 mm long	100

Rim lock release tool set

- For the quick and easy removal of wheel rim locks
- With conical left hand cutting internal thread
- Slim design is ideal for tight mounting holes
- Can be used for almost all current wheel lock systems
- Includes impact and pull punch
- Force-fit connection between socket and head
- Phosphate
- Chrome molybdenum
- In durable plastic storage case



				kg
913.1480	10 pcs	Rim lock release tool set		2.35

consists of:

				kg
913.1480-01	6-point rod, 17 mm x 180 mm			265
913.1480-02	6-point rod, 22 mm x 180 mm			530
913.1480-03	Force socket, 24 mm			190
913.1480-04	Force socket, 23 mm			180
913.1480-05	Force socket, 25 mm			200
913.1480-06	Force socket, 22 mm			160
913.1480-07	Force socket, 21 mm			150
913.1480-08	Force socket, 20 mm			140
913.1480-09	Force socket, 19 mm			130
913.1480-10	Force socket, 18 mm			110

Rim lock release tool for Toyota/Lexus/Hyundai

- For the quick and easy removal of wheel rim locks
- Left-turning clamping device
- For manual operation
- Chrome molybdenum

Application range: Toyota, Lexus, Hyundai



				kg
913.1479		Rim lock release tool for Toyota/Lexus/Hyundai		260

WHEEL NUT WRENCH

Telescopic wheel nut wrench

- Variable adjustment
- Ideal for use with passenger cars, vans and saloon cars
- Sturdy design
- Square drive as per DIN 3120/ISO 1174 with ball stop
- For manual operation
- Ergonomic single component handle
- Matt finish
- Chrome vanadium



				L mm	kg
518.1130				370,0 - 535,0	730

Telescopic socket wheel nut wrench

- 6-point
- Variable adjustment
- Ideal for use with passenger cars
- Sturdy design
- For manual operation
- Ergonomic single component handle
- Matt finish
- Chrome vanadium



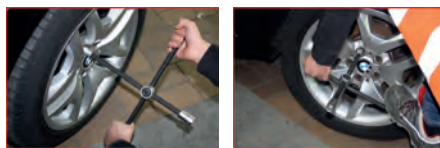
				mm	L mm	kg
518.1128				17,0 + 19,0	370,0 - 535,0	860

consists of:

				kg
518.1129		Telescopic wheel nut wrench socket, 17+19 mm		175
518.1130		Telescopic wheel nut wrench, 370 - 535 mm		730

Wheel spanner with slip joint for passenger cars

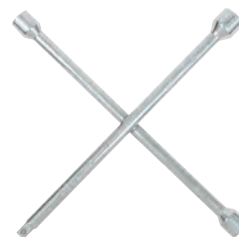
- 6-point
- DIN 3319/ISO 6788
- Sturdy design
- Foldable
- With slip joint for lower lying wheel nuts or for enhancing the leverage
- Ideal for use with passenger cars, vans and saloon cars
- Square drive as per DIN 3120/ISO 1174 with ball stop
- Polished heads
- Matt finish
- Special steel



				mm	L mm	kg
518.1154				17x19x21x1/2"	400.0	1.25

Wheel spanner for passenger cars

- 6-point
- DIN 3319/ISO 6788
- Sturdy design
- Ideal for use with passenger cars, vans and saloon cars
- Square drive as per DIN 3120/ISO 1174 with ball stop
- Polished heads
- Matt finish
- Special steel



				mm	L mm	kg
518.1153				17x19x21x1/2"	400.0	1.25
518.1150				17x19x22x1/2"	400.0	1.25

Wheel spanner for passenger cars

- 6-point
- DIN 3319/ISO 6788
- Extremely sturdy design
- Forged middle piece
- High loads (tested up to 500 N•m)
- Ideal for use with passenger cars, vans, saloon cars and agricultural machinery
- Square drive as per DIN 3120/ISO 1174 with ball stop
- Polished heads
- Matt finish
- Special steel



				mm	L mm	kg
518.1151				17x19x22x13/16"	400.0	1.25
518.1152				17x19x22x1/2"	400.0	1.25

Wheel spanner with slip joint for commercial vehicles

- 6-point
- DIN 3319/ISO 6788
- Sturdy design
- Foldable
- With slip joint for lower lying wheel nuts or for enhancing the leverage
- Ideal for use with vans, commercial vehicles, tractors, agricultural and construction machines
- Square drive as per DIN 3120/ISO 1174 with ball stop
- Polished heads
- Matt finish
- Special steel



				mm	L mm	kg
518.1163				24x27x32x3/4"	600.0	3.18

Wheel spanner for commercial cars

- 6-point
- DIN 3319/ISO 6788
- Sturdy design
- Ideal for use with vans, commercial vehicles, tractors, agricultural and construction machines
- Square drive as per DIN 3120/ISO 1174 with ball stop
- Polished heads
- Matt finish
- Special steel



	mm	L mm	kg
518.1155	24x27x32x3/4"	750.0	5.60

Wheel spanner for commercial cars

- 6-point
- DIN 3319/ISO 6788
- Extremely sturdy design
- Forged middle piece
- Middle piece with screw locking
- High loads (tested up to 2,000 N•m)
- Ideal for use with vans, commercial vehicles, tractors, agricultural and construction machines
- Square drive as per DIN 3120/ISO 1174 with ball stop
- Polished heads
- Matt finish
- Special steel
- Delivery in canvas bag



	mm	L mm	kg
518.1161	24x27x30x32	750.0	6.00
518.1162	24x27x32x3/4"	750.0	5.90

Wheel spanner for commercial cars

- 6-point
- DIN 3319/ISO 6788
- Extremely sturdy design
- Forged middle piece
- High loads (tested up to 2,000 N•m)
- Ideal for use with vans, commercial vehicles, tractors, agricultural and construction machines
- Square drive as per DIN 3120/ISO 1174 with ball stop
- Polished heads
- Matt finish
- Special steel



	mm	L mm	kg
518.1156	24x27x30x32	750.0	5.60
518.1157	24x27x32x3/4"	750.0	5.60
518.1158	27x30x32x33	750.0	5.60
518.1159	27x30x32x3/4"	750.0	5.60

MANUAL RELEASE TOOLS

Telescopic wheel nut wrench

- Variable adjustment
- Ideal for use with passenger cars, vans and saloon cars
- Sturdy design
- Square drive as per DIN 3120/ISO 1174 with ball stop
- For manual operation
- Ergonomic single component handle
- Matt finish
- Chrome vanadium



	L mm	kg
518.1130	370.0 - 535.0	730



CHROMEplus® Flexi head drive handle

- Square drive to DIN 3120 / ISO 1174 with ball lock
- Ideal for difficult to access areas
- Protects ratchet and torque wrenches from overloading
- Burnished head
- Chrome plated and mirror polished
- Chrome vanadium

	L mm	head spare	kg
918.3700	260.0	918.3826-1	390
918.3701	450.0	918.3826-1	615

CHROMEplus® Flexible head drive handle

- Square drive adaptor to DIN 3120 / ISO 1174 with ball lock
- Ideal for difficult to access areas
- Protects ratchet and torque wrenches from overloading
- Burnished head
- Chrome plated and mirror polished
- Chrome vanadium

		L mm	head spare	kg
918.1291	1/2"	380.0	918.1292-1	0.79
918.1297	1/2"	460.0	918.1292-1	1.12
918.1292	1/2"	600.0	918.1292-1	1.40
918.1293	1/2"	760.0	918.1292-1	1.63

TORQUE WRENCHES

ERGOTORQUE® basic torque wrench with feed-through square ratchet head

- Actuation accuracy: ±3 % tolerance from the set scale value
- Precise reading accuracy for a minimum 5,000 tightening cycles
- For controlled fastening in clockwise and counter clockwise directions
- The direction of rotation (clockwise and counter clockwise) can be changed by simply rotating the square drive piece
- Double scale in N•m and lbf•ft divisions for precise adjustment
- Large vision panel, precise adjustment using a magnifying glass
- An audible and palpable signal when the desired torque value is achieved
- With exact gearing 72 teeth ratchet mechanism
- Torque setting is quick and easy using the locking knob in the handle end
- Secure locking function within the handle
- Two component handle with a soft zone, is ergonomic in design and comfortable in the hand
- Square drive adaptor to DIN 3120 / ISO 1174 with ball lock
- Individually marked with serial number - unique product identification
- Including test certificate in accordance with DIN EN ISO 6789:2003 national standard

	N•m	lbf•ft	Division mm	L mm	D mm	H mm	kg
516.1942	1/2"	20-200	15 - 150	10.00	485.0	43.0	27.0
516.1972	1/2"	60-320	45 - 236	10.00	585.0	43.0	27.0

ERGOTORQUE® basic torque wrench with bag

- Actuation accuracy: ±3 % tolerance of the set scale value
- Precise reading accuracy for a minimum 5,000 tightening cycles
- For controlled fastening in clockwise and counter clockwise directions
- The direction of rotation (clockwise and counter clockwise) can be changed by simply rotating the square drive piece
- Double scale in N•m and lbf•ft divisions for precise adjustment
- Large vision panel, precise adjustment using a magnifying glass
- An audible and palpable signal when the desired torque value is achieved
- With exact gearing 72 teeth ratchet mechanism
- Torque setting is quick and easy using the locking knob in the handle end
- Secure locking function within the handle
- Two component handle with a soft zone, is ergonomic in design and comfortable in the hand
- Square drive adaptor to DIN 3120 / ISO 1174 with ball lock
- Individually marked with serial number - unique product identification
- Including test certificate in accordance with DIN EN ISO 6789:2003 national standard

		kg
516.1905	6 pcs ERGOTORQUE® basic torque wrench with bag	2.50

consists of:

		kg
516.1942	1/2" ERGObasic torque wrench, insert type ratchet head, 20-200Nm	1120
516.1443	1/2" Rotary square box wrench	65
918.1202	1/2" CHROMEplus® extension, 125mm	180
918.1247	1/2" CHROMEplus® Hexagon socket, deep, 17mm	140
918.1249	1/2" CHROMEplus® Hexagon socket, deep, 19mm	150
918.1258	1/2" CHROMEplus® Hexagon socket, deep, 21mm	190

ERGOTORQUE® precision torque wrench with rotary mushroom ratchet head

- Actuation accuracy: $\pm 3\%$ tolerance of the set scale value
- Precise reading accuracy for a minimum 5.000 tightening cycles
- For controlled fastening in clockwise and counter clockwise directions
- Torque setting by pulling out and pushing in the slide in knob at the end of the handle
- The direction of rotation (clockwise and counter clockwise) can be changed by simply rotating the square drive piece
- Double scale in N·m and lbf·ft divisions for precise adjustment
- Includes micrometer scale in N·m divisions for precise and fine adjustment
- Large vision panel, precise adjustment using a magnifying glass
- An audible and palpable signal when the desired torque value is achieved
- Exact gearing 72 teeth ratchet mechanism
- Torque setting is quick and easy using the locking knob in the handle end
- Secure locking function within the handle
- Two component handle with a soft zone, is ergonomic in design and comfortable in the hand
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- Individually marked with serial number unique product identification
- Includes test certificate in accordance with DIN EN ISO 6789:2003 national standard



1/2"

	■	N·m	Division N·m	lbf·ft	L mm	D mm	H mm	kg
516.1442	1/2"	20-200	1.00	15 - 150	500.0	45.0	23.0	1.30
516.1472	1/2"	60-320	1.00	45 - 236	585.0	45.0	23.0	1.45

ERGOTORQUE® precision torque wrench with reversible ratchet head

- Actuation accuracy: $\pm 3\%$ tolerance of the set scale value
- Precise reading accuracy for a minimum 5.000 tightening cycles
- For controlled fastening in a clockwise direction
- Can untighten without any torque restraint thanks to the anticlockwise latch
- Double scale in N·m and lbf·ft divisions for precise adjustment
- Includes micrometer scale in N·m divisions for precise and fine adjustment
- Large vision panel, precise adjustment using a magnifying glass
- An audible and palpable signal when the desired torque value is achieved
- With exact gearing 36 teeth ratchet mechanism
- With ejection mechanism on the ratchet head
- Torque setting is quick and easy using the locking knob in the handle end
- Secure locking function within the handle
- Two-component handle with a soft zone, is ergonomic in design and comfortable in the hand
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- Individually marked with serial number - unique product identification
- Includes test certificate in accordance with DIN EN ISO 6789:2003 national standard

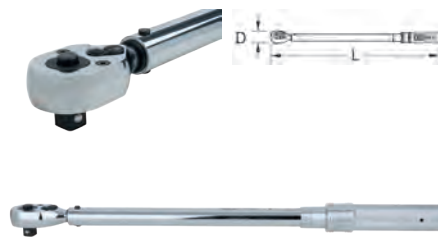


1/2"

	■	N·m	lbf·ft	Division N·m	L mm	D mm	H mm	kg
516.1542	1/2"	20-200	15 - 150	1.00	500.0	45.0	23.0	1.30
516.1572	1/2"	60-320	45 - 236	1.00	585.0	45.0	23.0	1.45

Industrial torque wrench with reversible ratchet head

- Actuation accuracy: $\pm 3\%$ tolerance from the set scale value and better
- Precise reading accuracy for a minimum 5.000 tightening cycles
- Use is almost all industrial production areas
- For controlled fastening in clockwise and counter clockwise directions
- Double-scale Nm and lbf·ft and/or lbf-in division
- Including a micrometre scale in Nm divisions and lbf·ft and/or lbf-in for precise and fine adjustment
- Clearly audible and noticeable torque release signal
- Setting the torque securely by turning the handle
- Secure locking function within the handle
- Long service-life and high holding times
- Highest precision and reliability even under tough long-term use
- Square drive adaptor in accordance with DIN 3120 - ISO 1174 with ball lock
- Individual serial number for clear product identification
- Includes test certificate in accordance with DIN EN ISO 6789:2003 - traceable to national standards

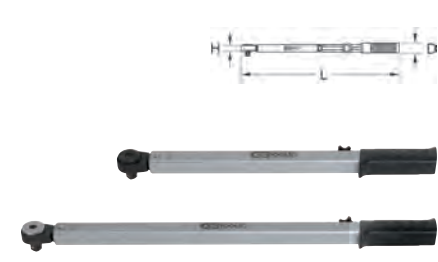


1/2"

	■	Measuring range Nm	Tooth	Division N·m	lbf·ft	Division lbf·ft	D mm	L mm	kg
516.5155	1/2"	40-200	32	1.00	33-144	0.7	43.5	530.0	1.64
516.5156	1/2"	60-340	32	2.00	52-243	1.5	43.5	610.0	1.80

Torque wrench with quick set feature, reversible

- Actuation accuracy: $\pm 3\%$ tolerance of the set scale value
- Precise reading accuracy for a minimum 10.000 tightening cycles
- With idle condition, resetting to the minimum value (0) is not necessary
- For controlled fastening in a clockwise direction
- Can untighten without any torque restraint thanks to the anticlockwise latch
- Double scale in N·m and lbf·ft divisions for precise adjustment
- Large vision panel, precise adjustment using a magnifying glass
- An audible and palpable signal when the desired torque value is achieved
- With exact gearing 72 teeth ratchet mechanism
- Torque setting is simple and quick by sliding the scale using the knurled-head screw
- Secure locking function using the integrated hex screw
- Ergonomic handle designed for comfortable use
- Square drive adaptor to DIN 3120 - ISO 1174 with ball lock
- Individually marked with serial number - unique product identification
- Includes test certificate in accordance with DIN EN ISO 6789 national standard



1/2"

	■	N·m	lbf·ft	L mm	D mm	H mm	kg
516.4542	1/2"	40-200	30 - 150	450.0	38.0	24.0	1.20
516.4572	1/2"	60-350	45 - 260	590.0	38.0	24.0	1.45

TYRE SERVICE HAMMERS

Recoil free soft faced hammer

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



	■	D mm	L1 mm	L2 mm	hands.spare	head.spare	kg
140.5270	360	25.0	270.0	105.0	-	140.5280	360
140.5271	480	30.0	290.0	105.0	-	140.5281	480
140.5272	590	35.0	295.0	110.0	-	140.5282	590
140.5273	850	40.0	300.0	120.0	-	140.5283	850
140.5274	990	45.0	305.0	120.0	-	140.5284	990
140.5275	1110	50.0	310.0	125.0	-	140.5285	1110
140.5276	1290	55.0	325.0	135.0	-	140.5286	1290
140.5277	1670	60.0	335.0	140.0	-	140.5287	1670

Rubber hammer

- DIN 5128
- With ash handle
- Hammer head made out of hard rubber



	■	D mm	L1 mm	L2 mm	hands.spare	kg
140.5221	300	54.0	300.0	85.0	140.5304 140.5404	360
140.5222	500	67.0	310.0	100.0	140.5305 140.5405	560
140.5223	700	74.0	330.0	120.0	140.5306 140.5405	760

Recoil free soft faced hammer

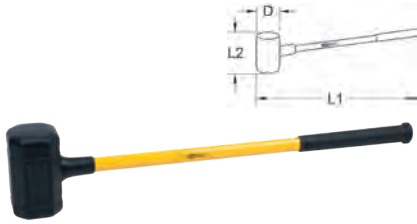
- With polyurethane glassfiber composite handle
- Shock absorbing effect through steel shot in the hammer head
- Substantially higher impact effect than standard conventional hammers
- For safer working with less recoil



	■	D mm	L1 mm	L2 mm	hands.spare	kg
140.5252	210	35.0	280.0	90.0	-	400
140.5254	390	45.0	300.0	90.0	-	580
140.5255	540	50.0	320.0	100.0	-	795
140.5256	710	55.0	355.0	110.0	-	1050
140.5257	915	60.0	365.0	120.0	-	1270
140.5258	1230	65.5	375.0	130.0	-	1540

Recoil free soft faced hammer, extra large

- Fiberglass handle
- Special absorbing effect through steel shot in the hammer head
- Substantially higher impact effect than standard conventional hammers
- Polyurethane glassfiber composite
- For safer working with less recoil

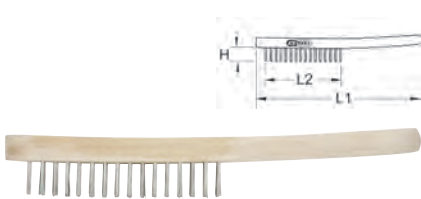


	g	D mm	L1 mm	L2 mm	hands spare	☑	kg
140.5259	4500	80.0	890.0	180.0	-	-	4.76

WHEEL HUB CLEANING

Steel hand wire brush 3 rowed

- 3 rowed
- Universal use
- Handle made out of wood
- For surface preparation
- With steel bristles



	H mm	L1 mm	L2 mm	kg
201.2305	32.0	290.0	138.0	120

Steel hand wire brush 4 rowed

- 4 rowed
- Universal use
- Handle made out of wood
- For surface preparation
- With steel bristles



	H mm	L1 mm	L2 mm	kg
201.2311	32.0	290.0	138.0	120

Stainless steel hand wire hand brush 3 rowed

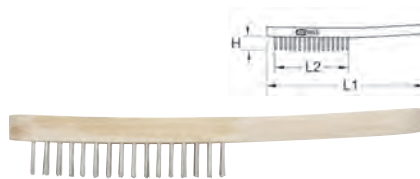
- 3 rowed
- Universal use
- Handle made out of wood
- For surface preparation
- With stainless steel bristles



	H mm	L1 mm	L2 mm	kg
201.2310	32.0	290.0	138.0	120

Stainless steel hand wire hand brush 4 rowed

- 4 rowed
- Universal use
- Handle made out of wood
- For surface preparation
- With stainless steel bristles



	H mm	L1 mm	L2 mm	kg
201.2306	32.0	290.0	138.0	100

Steel wire hand brush 4 rowed

- 4 rowed
- Universal usage
- Plastic hand grip casing
- For surface preparation
- Straight steel wire



	H mm	L1 mm	L2 mm	kg
201.2325	25.0	285.0	130.0	120

Brass wire hand brush 3 rowed

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



	H mm	L1 mm	L2 mm	kg
201.2326	25.0	285.0	130.0	105

Steel wire brake saddle wire brush 2 rowed, straight and tapered point

- 2 rowed
- Hanging hole
- Tapered point
- Very narrow execution
- For narrow brake saddle shafts
- Robust stock
- Dual component handle
- For removing of stubborn brake dust
- For surface preparation
- Smooth steel wire



	B mm	H mm	L1 mm	L2 mm	kg
201.2321	12.0	14.0 - 22.0	225.0	90.0	90

Brass wire brake saddle wire brush 2 rowed, straight

- 2 rowed
- Very narrow execution
- For narrow brake saddle shafts
- Robust stock
- Hanging hole
- Dual component handle
- For removing of stubborn brake dust
- For surface preparation
- Curved brass wire



	B mm	H mm	L1 mm	L2 mm	kg
201.2322	12.0	22.0	225.0	90.0	90

Wheel hub bolt grinder set, Ø 40 / 50 mm

- For the optimal cleaning of wheel hubs and brake discs
- Ideally used for passenger cars, vans and saloon car wheel hubs with stud bolts up to Ø 40 or Ø 50 mm in diameter
- Grinding disc with 10 mm pin receptacle with 3 contact surfaces
- For use with boring machines and cordless spanners (max. speed 1,500 rpm)
- Velcro closure for the quick replacement of the cleaning disc
- No flying sparks
- Low wear - maximum service life (about 50 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimum dust development due to open-pore grinding medium and cup-shaped grinding disc



		kg
100.4080	14 pcs Wheel hub bolt grinder set, Ø 40 / 50 mm	470

consists of:

		kg
100.4081	Wheel hub grinder without cleaning discs	50
100.4085	Replacement disc set for hub bolt wheel grinder, 5 pcs.	230
100.4088	Replacement disc set large for hub bolt wheel grinder, 5 pcs.	200



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Wheel hub bolt grinding discs Ø 40 mm

- 5 replacement discs Ø 40 mm
- For the optimal cleaning of wheel hubs and brake discs
- Ideally used for passenger cars, vans and saloon car wheel hubs with stud bolts up to Ø 40 mm in diameter
- Grinding disc with 10 mm pin receptacle with 3 contact surfaces
- For use with boring machines and cordless spanners (max. speed 1,500 rpm)
- Velcro closure for the quick replacement of the cleaning disc
- No flying sparks
- Low wear - maximum service life (about 50 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimal dust development due to open-pore grinding medium
- Delivery takes place without grinding disc



		Ø mm	
100.4085	5 pcs	40	230

Wheel hub bolt grinding discs Ø 50 mm

- 5 replacement discs Ø 50 mm
- For the optimal cleaning of wheel hubs and brake discs
- Ideally used for passenger cars, vans and saloon car wheel hubs with stud bolts up to Ø 50 mm in diameter
- Grinding disc with 10 mm pin receptacle with 3 contact surfaces
- For use with boring machines and cordless spanners (max. speed 1,500 rpm)
- Velcro closure for the quick replacement of the cleaning disc
- No flying sparks
- Low wear - maximum service life (about 50 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimal dust development due to open-pore grinding medium
- Delivery takes place without grinding disc



		Ø mm	
100.4088	5 pcs	50	200

Wheel hub grinding disc set Ø 65 / 105 mm

- For the optimal cleaning of wheel hubs and brake discs
- Ideal for use with passenger cars, vans and saloon car wheel hubs
- Grinding disc with 1/2" receptacle
- For use with impact wrenches or cordless impact wrenches (max. speed 7,000 rpm)
- No flying sparks
- Low wear - maximum service life (about 50 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimal dust development due to open-pore grinding medium



		Ø mm	
100.4035	2 pcs	Wheel hub grinding disc set Ø 65 / 105 mm	300

consists of:

100.4038	Wheel hub grinder Ø 65 mm	100
100.4039	Wheel hub grinder Ø 105 mm	200



Wheel hub grinding disc set Ø 65 mm

- For the optimal cleaning of wheel hubs and brake discs
- Ideal for use with passenger cars, vans and saloon car wheel hubs
- Grinding disc with 1/2" receptacle
- For use with impact wrenches or cordless impact wrenches (max. speed 7,000 rpm)
- No flying sparks
- Low wear - maximum service life (about 50 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimal dust development due to open-pore grinding medium



		Ø mm	
100.4036	5 pcs	65	575

Wheel hub grinding disc set Ø 105 mm

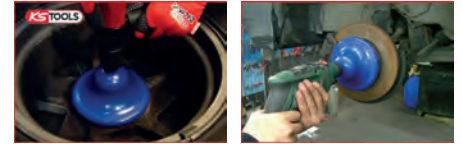
- For the optimal cleaning of wheel hubs and brake discs
- Ideal for use with passenger cars, vans and saloon car wheel hubs
- Grinding disc with 1/2" receptacle
- For use with impact wrenches or cordless impact wrenches (max. speed 7,000 rpm)
- No flying sparks
- Low wear - maximum service life (about 50 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimal dust development due to open-pore grinding medium



		Ø mm	
100.4037	5 pcs	105	625

Wheel hub grinder set, Ø 160 mm

- For the optimal cleaning of wheel hubs and brake discs
- Ideally used for passenger cars, vans and saloon car wheel hubs up to Ø 160 mm
- Optimised for the latest wheel hubs with larger inner diameter (Ø 75 mm)
- Grinding disc with 10 mm pin receptacle with 3 contact surfaces
- For use with boring machines and cordless spanners (max. speed 1,500 rpm)
- Velcro closure for the quick replacement of the cleaning disc
- No flying sparks
- Low wear - maximum service life (about 100 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimum dust development due to open-pore grinding medium and cup-shaped grinding disc



100.4070	4 pcs	Wheel hub grinder set, Ø 160 mm
		800

consists of:

100.4071	Wheel hub grinder without cleaning discs	270
100.4075	Replacement discs set for wheel hub grinder 100.4070, 3pcs.	530

Replacement discs set for wheel hub grinder

- 3 replacement discs Ø 160 mm
- For the optimal cleaning of wheel hubs and brake discs
- Ideally used for passenger cars, vans and saloon car wheel hubs up to Ø 160 mm
- Optimised for the latest wheel hubs with larger inner diameter (Ø 75 mm)
- For use with boring machines and cordless spanners (max. speed 1,000 rpm)
- Velcro closure for the quick replacement of the cleaning disc
- No flying sparks
- Low wear - maximum service life (about 100 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimal dust development due to open-pore grinding medium
- Delivery takes place without grinding disc



		Ø mm	
100.4075	3 pcs	160	530

Wheel hub grinder set, Ø 200 mm

- For the optimal cleaning of wheel hubs and brake discs
- Ideally used for passenger cars, vans and saloon car wheel hubs up to Ø 200 mm
- Grinding disc with 10 mm pin receptacle with 3 contact surfaces
- For use with boring machines and cordless spanners (max. speed 1,000 rpm)
- Velcro closure for the quick replacement of the cleaning disc
- No flying sparks
- Low wear - maximum service life (about 100 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimum dust development due to open-pore grinding medium and cup-shaped grinding disc



				📦
100.4090	3 pcs	Wheel hub grinder set, Ø 200 mm	1.01	

consists of:

				📦
100.4091		Wheel hub grinder without cleaning discs	470	
100.4095		Replacement discs set for wheel hub grinder 100.4090, 2pcs.	530	



Wheel hub grinding discs, Ø 200 mm

- 2 replacement discs Ø 200 mm
- For the optimal cleaning of wheel hubs and brake discs
- Ideally used for passenger cars, vans and saloon car wheel hubs up to Ø 200 mm
- For use with boring machines and cordless spanners (max. speed 1,000 rpm)
- Velcro closure for the quick replacement of the cleaning disc
- No flying sparks
- Low wear - maximum service life (about 100 vehicles per disc)
- Clean contact surfaces prevent falsification of the wheel tightening torques
- Minimal dust development due to open-pore grinding medium
- Delivery takes place without grinding disc



				Ø mm	📦
100.4095	2 pcs		200	530	

TYRE PRESSURE CONTROL SYSTEM SETS

TPMS Tool set for tyre pressure valve control systems

- Ideal configuration for the proper assembly and disassembly of tyre pressure monitoring sensors and the associated special tyre valves
- With this product line, all assembly and service work can be carried out for standard TPM [tyre pressure monitoring] systems.
- Adjustable calibrated torque wrench (1 - 25 N·m) covers all known tightening torques
- The torque wrench has a release accuracy of +/- 3% and exceeds the requirements of the ETRTO values
- Contains all necessary tools for avoiding screws and sensors and for ensuring a secure bolted connection and seal
- Includes expanded accessories for standard snap-in tyre valves
- In durable plastic storage case



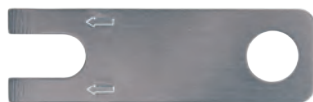
				📦
100.1180	13 pcs	TPMS Tool set for tyre pressure valve control systems	2.20	

consists of:

				📦
516.1412		ERGOprec torque wrench, mushroom head	460	
516.1413		Mushroom head, 3/8"	21	
150.2029		Tyre valve torque screwdriver, 0,25 Ncm	50	
150.2031		Tyre valve torque screwdriver, 0,45Ncm	50	
150.2022		Tyre valve screwdriver, 150mm	40	
911.1442		TX bit socket, 1/4", T10	10	
911.1443		TX bit socket, 1/4", T15	10	
911.1444		TX bit socket, 1/4", T20	10	
917.1431		CLASSIC hex socket deep, 1/4", 11mm	50	
917.1432		CLASSIC hex socket deep, 1/4", 12mm	50	
911.1434		Spinner handle, 1/4", 150mm	140	
156.0111		Pin punch octagonal shaft, 2mm	40	
100.1182		Valve sealing tool, for 11 mm valves	9	

Valve sealing tool

- Ideally suited for the injury-free assembly and disassembly of rubber baskets with TPMS valves
- Suitable for 11 mm valves
- No sharp blades or edges
- Sturdy metal design



				Length mm	Width mm	Height mm	📦
100.1182			80.0	25.0	2.0	9	

Hook tool, 135° bent

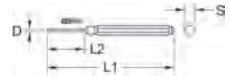
- Ideal for removing and use of O rings and seals
- With one component handle
- With hanging hole
- Special steel



			L mm	📦
550.1049			130.0	27

TPMS brace

- Ideally suited as bracket for valve assembly
- No twisting when tightening the union nut
- Easy and safe handling
- Special steel



						📦
	L1 mm	L2 mm	D mm	S mm		
156.0111	115.0	30.0	2.0	8.0	40	

TPMS tyre bleeder set

- Suitable for bleeding tyres when installing the TPMS wheel pressure sensors
- Colour coding is used for the correct mounting of the wheel
- Reprogramming the sensors is usually therefore eliminated
- Prevents incorrect mounting of the wheels



				📦
100.1185	4 pcs	TPMS tyre bleeder set	133	

consists of:

				📦
100.1186		TPMS tyre bleeder, yellow, front left	28	
100.1187		TPMS tyre bleeder, red, front right	28	
100.1188		TPMS tyre bleeder, green, left rear	28	
100.1189		TPMS tyre bleeder, blue, right rear	28	

TPMS service set for tyre pressure control systems 01

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut: 4.25 Nm

Application range:
Saab: 9.7X
Chevrolet: Camaro, Corvette, Trailblazer
Cadillac: STS, XLR, CTS, SRX

Reference number: 72-20-223



TPMS service set for tyre pressure control systems 02

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut: 6 Nm

Application range:
Toyota: 4 Runner, Auris, Avalon, Avensis, Avensis Break, Aygo, Camry, Corolla, FJ Cruiser, GT86, Highlander, IQ, Land Cruiser, Land Cruiser SW V8, Land Cruiser V8, Matrix, Prius + (hybrid), Prius Rechargeable, RAV 4 t, RAV 4, Solara, Urban Cruiser, Venza, Verso, Verso-S, Yaris
Lexus: CT, ES, GS, GX470, IS Coupe, IS Coupe Convert, IS Series, IS-F, LS, LX, RX, SC 430
Chrysler: 300, 300 C, Grand Voyager, Sebring, Voyager
Dodge: Avenger, Caliber, Challenger, Charger, Dakota, Journey, Nitro, Ram Series Pickup
Jeep: Cherokee Grand, Commander, Compass, Grand Cherokee, Patriot, Wrangler

Reference number: 72-20-219, TPK66138



TPMS service set for tyre pressure control systems 03

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm

Application range:
Volkswagen: New Beetle, Passat, Passat Syncro

Reference number: 72-20-211, TPK65660



TPMS service set for tyre pressure control systems 04

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm

Application range:
Opel: Ampera, Astra GTC, Astra H, Astra J, Astra Sports Tourer, Astra Twintop, Cascada, Insigna, Insigna OPC, Insigna Tourer, Signum, Vectra, Vectra Estate, Zafira B, Zafira C, Zafira Tourer
Volvo: S60, V70, XC70, XC90
Saab: 10, 9-3, 9-5
Chrysler: 300C, Sebring, Voyager
Chevrolet: Volt
Dodge: Caliber, Dakota, Nitro
Jeep: Commander, Grand Cherokee, Wrangler
Lotus: Elise S, Evora, Evora S, Exige, Exige S
Nissan: Primera

Reference number: 72-20-208, TPK65657



TPMS service set for tyre pressure control systems 05

- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 4 Nm

Application range:
Hyundai: i40 (VF)



TPMS service set for tyre pressure control systems 06

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm

Application range:
Volvo: S60, S80, V60, V70, XC60, XC70
Ford: Galaxy, Mondeo IV, S-Max

Reference number: 72-20-216, TPK66070, 7020K



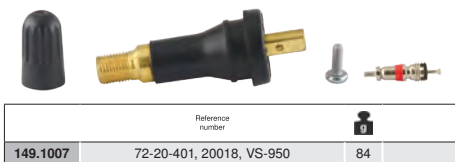
TPMS service set for tyre pressure control systems 07

- For Schrader manufacturer
- The sensor and the valve service set must be checked during every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the screw 1.4 Nm

Application range:
Opel: Adam, Antara, Mokka
Saab: 9.4X
Citroën: Berlingo, Berlingo Multispace, C4, C4 Picasso, DS4, DS5, Jumpy
Peugeot: 3008, 3008 Hybrid 4, 307 Facelift, 308, 308 CC, 308 Gti, 308 SW, 5008, Expert, RCZ, RCZ THP 200
Fiat: 500, 500 C, 500 L, Fremont
Lancia: Thema, Voyager
Ford: E series van, E450 Super Duty, Escape, Explorer, F series pickup, Fiesta, Focus, Fusion, Mondeo, Mustang, Navigator, Super Duty Van, Taurus, Transit Connect
Cadillac: CTS
Chevrolet: Malibu, Trax
Chrysler: 300, 300 C, Grand Voyager, Sebring, Town & Country Van, Voyager
Dodge: Avenger, Caliber, Caravan Grand, Challenger, Charger, Dakota, Durango, Grand Caravan, Journey, Nitro, Ram Series pickup
Jeep: Cherokee Grand, Commander, Compass, Grand Cherokee, Liberty, Patriot, Wrangler
Lincoln: MKZ
Mercury: Mariner, Milan
Mazda: Tribute
Hyundai: Veloster

Reference number: 72-20-401, 20018, VS-950



TPMS service set for tyre pressure control systems 08

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm

Application range:
Mazda: 3, 5, 6, CX7, MX5

Reference number: 72-20-218, TPK66072, 7000K



TPMS service set for tyre pressure control systems 09

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm

Application range:
Kia: Carens, Cee'd, Cee'd SW, Opima, Pro Cee'd, Sorento, Soul 1.6 CVVT, Venga
Hyundai: i20, i30, Santa Fe

Reference number: 72-20-217, TPK66071



Reference number		
149.1009	72-20-217, TPK66071	8

TPMS service set for tyre pressure control systems 10

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm

Application range:
Citroën: C4, C5 II, C5 III, C6, C8
Peugeot: 207, 307, 407, 508, 607 II, 807, 1007
Mazda: 3, 5, 6, CX7, MX5
Volvo: S60, S80, V60, V70, XC60, XC70
Ford: Galaxy, Mondeo IV, S-Max
Land Rover: Discovery, Evoque, FreeLander, Range Rover
Jaguar: X-Type, XF, XJ (X350) Limousine, XK New
Fiat: Ulysse Nuovo
Lancia: Phedra

Reference number: 72-20-210, TPK65659



Reference number		
149.1010	72-20-210, TPK65659	8

TPMS service set for tyre pressure control systems 11

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 4.25 Nm

Application range:
Renault: Espace IV, Koleos, Laguna II, Laguna III, Latitude, Megane I, Megane II, Megane III, Modus, Scenic I, Scenic II, Scenic III, Vel Satis

Reference number: 72-20-205, TPK65654



Reference number		
149.1011	72-20-205, TPK65654	5

TPMS service set for tyre pressure control systems 12

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 4.25 Nm

Application range:
Citroën: C5 I, C8
Peugeot: 607, 807
Fiat: Ulysse
Lancia: Phedra

Reference number: 72-20-207, TPK65656



Reference number		
149.1012	72-20-207, TPK65656	5

TPMS service set for tyre pressure control systems 13

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 6 Nm

Application range:
Mercedes: AMG (W197 and others), C-Class, CLK (W207), CLK (W209), CLS (W218), E-Class (W212), G-Class, ML-Class, S-Class (W221), SL (W231), SLC (W212), SLK, Smart, Smart FourTwo, Sprinter

Reference number: TPK65964



Reference number		
149.1013	TPK65964	6

TPMS service set for tyre pressure control systems 14

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 7.5 Nm

Application range:
Renault: Clio III, Espace IV, Koleos, Laguna II, Laguna III, Latitude, Megane I, Megane II, Megane III, Modus, Scenic I, Scenic II, Scenic III, Vel Satis

Reference number: 72-20-206, TPK65655



Reference number		
149.1014	72-20-206, TPK65655	6

TPMS service set for tyre pressure control systems 15

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 6 Nm

Application range:
Mercedes: AMG, C-class, CLK (W207), CLK (W209), CLS (W218), E-class(W212), G-class, ML-class, S-class(W221), SL (W231), SLC (W212), SLK, Sprinter
Smart: ForTwo

Reference number: TPK65962



Reference number		
149.1015	TPK65962	5

TPMS service set for tyre pressure control systems 16

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm

Application range:
Infiniti: G37 Coupe, G37 Sedan, J50 EX37, R35 GT-R, S51 FX37
Nissan: GTR
Renault: Koleos

Reference number: 72-20-212, TPK65961



Reference number		
149.1016	72-20-212, TPK65961	5

TPMS service set for tyre pressure control systems 17

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8.5 Nm

Application range:
Renault: Megane II, Scenic II
Chrysler: Jeep Grand Cherokee

Reference number: 72-20-209, TPK65658



Reference number		
149.1017	72-20-209, TPK65658	6

TPMS service set for tyre pressure control systems 18

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 4.25 Nm

Application range:
Renault: Laguna III, Latitude, Megane Berline, Megane Coupe, Megane Estate, Megane III, Megane RS, Scenic III

Reference number: 72-20-214, TPK65963



Reference number		
149.1018	72-20-214, TPK65963	9



TPMS service set for tyre pressure control systems 19

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 9 Nm

Application range:
Hyundai: i20, i30
Kia: Cee'd SW, Pro Cee'd, Soul 1.6 CVT

Reference number: TPK65768



Reference number		
149.1019	TPK65768	8

TPMS service set for tyre pressure control systems 20

- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 7 Nm

Application range:
Hyundai



Reference number		
149.1020	-	6

TPMS service set for tyre pressure control systems 21

- for manufacturer VDO TG1B sensor
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm

Application range:
Chrysler: 300 C, Grand Voyager, Sebring, Voyager
Dodge: Avenger, Caliber, Dakota, Journey, Nitro, Ram Series Pickup
Jaguar: F-Type (TG1B), X-Type (TG1B), XF (TG1B), XFR (TG1B), XJ X350 (TG1B), XK New (TG1B), XKR (TG1B)
Jeep: Commander, Compass, Grand Cherokee, Patriot, Wrangler
Land Rover: Discovery (TG1B), Evoque (TG1B), Free Lander (TG1B), Free Lander 2 (TG1B), Range Rover (TG1B), Range Rover Vogue (TG1B), Range Sport V8 SC (TG1B), Range V8 S.C. (TG1B)

Reference number: 72-20-422



Reference number		
149.1021	72-20-422	12

TPMS service set for tyre pressure control systems 22

- for manufacturer Schrader EZ sensor
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 8 Nm
Tightening torque of the screw 1.4 Nm

Application range:
Mercedes: AMG, C-class, CL-class, CLK, CLS, E-class, G-class, GL-class, GLK-class, M-class, ML-class, R-class, S-class, SL, SL-class, SLK, SLK-class, SLS, Sprinter, Viano, Vito NVC 2
Smart: ForTwo, ForTwo Convertible, ForTwo Coupe
Opel: Ampera, Antara, Astra, Cascada, Insignia, Mokka, Zafira C, Zafira Tourer
Peugeot: 3008, 307 Facelift, 308, 5008, Espace IV, Expert, Koleos, Laguna II, Megane, RCZ, Scenic, Vel Satis
Volkswagen: CC, Passat, Tiguan
Volvo: C30, C70, S40, S60, S80, V50, V60, V70, XC60, XC70, XC90
Saab: 9.3, 9.4X, 9.5
Citroën: Berlingo, C4, DS4, DS5, Jumpy
Ford: Galaxy, Mondeo IV, S-Max
Cadillac: CTS, STS, XLR
Chevrolet: Camaro, Corvette, Malibu, Trax, Volt
Chrysler: 300C, Grand Voyager, Sebring, Voyager
Dodge: Avenger, Caliber, Dakota, Nitro, Ram Series Pickup
Infiniti: EX37, FX30, FX37, FX50, G37, G37 Berline, G37 Convertible, G37 Coupe, G37 Sedan, J50 EX37, M, S51 FX37
Jeep: Commander, Compass, Grand Cherokee, Patriot, Wrangler
Lotus: Elise, Elise S, Evora, Evora S, Exige, Exige S
Hyundai: i20, i30, i30SW, ix20
Kia: Cee'd SW, Optima, Pro Cee'd, Sorento, Soul 1.6 CVT, Venge
Nissan: GT-R, GT-R Track Pack, Primera

Reference number: 72-20-116



Reference number		
149.1022	72-20-116	37

TPMS service set for tyre pressure control systems 23

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 6 Nm

Application range:
Mercedes: CLS (W219), E-class (W221), M-class (W164), R-class (W251), S-class (W221), SL (W230)

Reference number: 72-20-102, TPK65661



Reference number		
149.1023	72-20-102, TPK65661	17

TPMS service set for tyre pressure control systems 24

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the screw 1.4 Nm

Application range:
Opel: Adam, Antara, Mokka
Ford: Explorer, Fiesta, Focus, Mondeo, Navigator
Citroën: Berlingo, C4, DS4, DS5, Jumpy
Peugeot: 307 Facelift, 308, 3008, 5008, Expert, RCZ
Fiat: 500, Freemont
Lancia: Thema, Voyager
Saab: 9.4X
Cadillac: CTS
Chevrolet: Malibu, Trax
Chrysler: 300, 300 C, Grand Voyager, Sebring, Town & Country Van, Voyager
Dodge: Avenger, Caliber, Caravan Grand, Challenger, Charger, Dakota, Durango, Grand Caravan, Journey, Nitro, Ram Series pickup
Jeep: Cherokee Grand, Commander, Compass, Liberty, Patriot, Wrangler
Hyundai: Veloster

Reference number: 72-20-101



Reference number		
149.1024	72-20-101	21

TPMS service set for tyre pressure control systems 25

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:
Tightening torque of the nut 6 Nm
Tightening torque of the screw 1.4 Nm

Application range:
Chrysler: 300C, Sebring, Voyager
Dodge: Caliber, Dakota, Nitro
Jeep: Commander, Grand Cherokee, Wrangler

Reference number: TPK66086



Reference number		
149.1025	TPK66086	12

TPMS service set for tyre pressure control systems 26

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:

Tightening torque of the nut 6 Nm

Application range:

Mercedes: Sprinter NVC3 (906), Vito NVC2 (639), Viano Dodge

Reference number: 72-20-104, TPK65958, 1098K



Reference number		
149.1026	72-20-104, TPK65958, 1098K	22

TPMS service set for tyre pressure control systems 27

- for manufacturers TRW, HUF/BERU
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:

Tightening torque of the nut 4 Nm
Tightening torque of the screw 4 Nm

Application range:

Audi: A4, A6, A8, Q7, R8, RS4, RS6, S4, S6, S8
Volkswagen: CC, Passat (B7), Passat CC, Phaeton, Tiguan (5N), Touareg
Porsche: 911, 997, Boxster, Carrera GT, Cayenne, Cayman, Panamera
Mercedes: AMG E-class (W210 AMG), CLS (C219), E-class, S-class, SL Roadster, SLR (R199), SL-Roadster (R230)
BMW: 1-series, 3-series, 5-series, 6-series, 7-series, Alpina, X1 (E84), X3 (E83), X5 (E53), X5 (E70), X6, Z4 Coupe 30i, Z4 Roadster 30i
Mini: Clubman, Convertible, Cooper, Cooper S, Countryman, Coupe, Paceman, Roadster
Rolls Royce: Cabrio (RR02), Convertible (RR02), Phantom (RR01), Phantom 2 Coupe
Alfa Romeo: 159, 8C (920), Brera, Giulietta, Mito, Spider
Fiat: Bravo, Cromo, Doblo, Nuova Bravo, Punto Grand
Lancia: Delta, Delta 2
Ferrari: 458 Italia (F142), 458 Italia Spider, 550 Maranello, 575 M-Maranello, 599 GTB (F141), 599 GTO, 612 Scaglietti (F137), California (F149), Enzo (F140), F430 (F131 evo), F430 Spider, FXX
Lamborghini: Aventador, Gallardo (US), Murcielago LP640 (US)
Aston Martin: Rapide, DB9, DBS, V12 Vantage, V8 Vantage, Vanquish
Bentley: Arnage, Azure, Continental Flying Spur (611), Continental GT (614), Continental GT (614), Continental GT S., Continental GTC, Continental Sports, Flying Spur 611, Mulsanne
Maserati: Coupe (M145), Coupe (M154), Quattroporte (M139)
Maybach: 57, 62, Landaulet
Land Rover: Range Rover (L30)

Reference number: 72-20-103, TPK65731



Reference number		
149.1027	72-20-103, TPK65731	17

TPMS service set for tyre pressure control systems 28

- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:

Tightening torque of the nut 4 Nm
Tightening torque of the screw 4 Nm

Application range:

Audi: A4, A6, A8, Q7, R8, RS4, RS6, S4, S6, S8
Volkswagen: CC, Passat (B7), Passat CC, Phaeton, Tiguan (5N), Touareg
Porsche: 911, 997, Boxster, Carrera GT, Cayenne, Cayman, Panamera
Mercedes: AMG E-class (W210 AMG), CLS (C219), E-class, S-class, SL Roadster, SLR (R199), SL-Roadster (R230)
BMW: 1-series, 3-series, 5-series, 6-series, 7-series, Alpina, X1 (E84), X3 (E83), X5 (E53), X5 (E70), X6, Z4 Coupe 30i, Z4 Roadster 30i
Mini: Clubman, Convertible, Cooper, Cooper S, Countryman, Coupe, Paceman, Roadster
Rolls Royce: Cabrio (RR02), Convertible (RR02), Phantom (RR01), Phantom 2 Coupe
Alfa Romeo: 159, 8C (920), Brera, Giulietta, Mito, Spider
Fiat: Bravo, Cromo, Doblo, Nuova Bravo, Punto Grand
Lancia: Delta, Delta 2
Ferrari: 458 Italia (F142), 458 Italia Spider, 550 Maranello, 575 M-Maranello, 599 GTB (F141), 599 GTO, 612 Scaglietti (F137), California (F149), Enzo (F140), F430 (F131 evo), F430 Spider, FXX
Lamborghini: Aventador, Gallardo (US), Murcielago LP640 (US)
Aston Martin: Rapide, DB9, DBS, V12 Vantage, V8 Vantage, Vanquish
Bentley: Arnage, Azure, Continental Flying Spur (611), Continental GT (614), Continental GT (614), Continental GT S., Continental GTC, Continental Sports, Flying Spur 611, Mulsanne
Maserati: Coupe (M145), Coupe (M154), Quattroporte (M139)
Maybach: 57, 62, Landaulet
Land Rover: Range Rover (L30)



Reference number		
149.1028	-	16

TPMS service set for tyre pressure control systems 29

- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:

Tightening torque of the nut 4 Nm
Tightening torque of the screw 4 Nm

Application range:

Audi: A4, A6, A8, Q7, R8, RS4, RS6, S4, S6, S8
Volkswagen: CC, Passat (B7), Passat CC, Phaeton, Tiguan (5N), Touareg
Porsche: 911, 997, Boxster, Carrera GT, Cayenne, Cayman, Panamera
Mercedes: AMG E-class (W210 AMG), CLS (C219), E-class, S-class, SL Roadster, SLR (R199), SL-Roadster (R230)
BMW: 1-series, 3-series, 5-series, 6-series, 7-series, Alpina, X1 (E84), X3 (E83), X5 (E53), X5 (E70), X6, Z4 Coupe 30i, Z4 Roadster 30i
Mini: Clubman, Convertible, Cooper, Cooper S, Countryman, Coupe, Paceman, Roadster
Rolls Royce: Cabrio (RR02), Convertible (RR02), Phantom (RR01), Phantom 2 Coupe
Alfa Romeo: 159, 8C (920), Brera, Giulietta, Mito, Spider
Fiat: Bravo, Cromo, Doblo, Nuova Bravo, Punto Grand
Lancia: Delta, Delta 2
Ferrari: 458 Italia (F142), 458 Italia Spider, 550 Maranello, 575 M-Maranello, 599 GTB (F141), 599 GTO, 612 Scaglietti (F137), California (F149), Enzo (F140), F430 (F131 evo), F430 Spider, FXX
Lamborghini: Aventador, Gallardo (US), Murcielago LP640 (US)
Aston Martin: Rapide, DB9, DBS, V12 Vantage, V8 Vantage, Vanquish
Bentley: Arnage, Azure, Continental Flying Spur (611), Continental GT (614), Continental GT (614), Continental GT S., Continental GTC, Continental Sports, Flying Spur 611, Mulsanne
Maserati: Coupe (M145), Coupe (M154), Quattroporte (M139)
Maybach: 57, 62, Landaulet
Land Rover: Range Rover (L30)



Reference number		
149.1029	-	19



TPMS service set for tyre pressure control systems 30

- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:

Tightening torque of the nut 4 Nm
Tightening torque of the screw 4 Nm

Application range:

Audi: A4, A6, A8, Q7, R8, RS4, RS6, S4, S6, S8
Volkswagen: CC, Passat (B7), Passat CC, Phaeton, Tiguan (5N), Touareg
Porsche: 911, 997, Boxster, Carrera GT, Cayenne, Cayman, Panamera
Mercedes: AMG E-class (W210 AMG), CLS (C219), E-class, S-class, SL Roadster, SLR (R199), SL-Roadster (R230)
BMW: 1-series, 3-series, 5-series, 6-series, 7-series, Alpina, X1 (E84), X3 (E83), X5 (E53), X5 (E70), X6, Z4 Coupe 30i, Z4 Roadster 30i
Mini: Clubman, Convertible, Cooper, Cooper S, Countryman, Coupe, Paceman, Roadster
Rolls Royce: Cabrio (RR02), Convertible (RR02), Phantom (RR01), Phantom 2 Coupe
Alfa Romeo: 159, 8C (920), Brera, Giulietta, Mito, Spider
Fiat: Bravo, Cromia, Doblo, Nuova Bravo, Punto Grand
Lancia: Delta, Delta 2
Ferrari: 458 Italia (F142), 458 Italia Spider, 550 Maranello, 575 M-Maranello, 599 GTB (F141), 599 GTO, 612 Scaglietti (F137), California (F149), Enzo (F140), F430 (F131 evo), F430 Spider, FXX
Lamborghini: Aventador, Gallardo (US), Murcielago LP640 (US)
Aston Martin: Rapide, DB9, DBS, V12 Vantage, V8 Vantage, Vanquish
Bentley: Arnage, Azure, Continental Flying Spur (611), Continental GT (614), Continental GT (614), Continental GT S, Continental GTC, Continental Sports, Flying Spur 611, Mulsanne
Maserati: Coupe (M145), Coupe (M154), Quattroporte (M139)
Maybach: 57, 62, Landaulet
Land Rover: Range Rover (L30)



Reference number		
149.1030	-	19

TPMS service set for tyre pressure control systems 31

- For Schrader manufacturer
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:

Tightening torque of the nut 6 Nm

Application range:

Mercedes: A-class, AMG, B-class, C-class, CL-class, CLK, CLS, E-class, G-class, GL-class, GLK, G-car, M-class, ML-class, R-class, S-class, SL, SLAMG, SLK, SLS, Sprinter, Vario, Vito
Smart: ForTwo, ForTwo Convertible, ForTwo Coupe
Jeep: Commander, Compass, Grand Cherokee, Patriot, Wrangler
Dodge: Avenger, Caliber, Dakota, Journey, Nitro, Ram Series Pickup

Reference number: 72-20-105, TPK43148



Reference number		
149.1031	72-20-105, TPK43148	12

TPMS service set for tyre pressure control systems 32

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:

Tightening torque of the nut 8 Nm

Application range:

Volvo: C30, C70, S40, S60, S80, V50, V60, V70, XC60, XC70
Renault: Laguna III, Latitude, Megane, Scenic III, SX4
Ford: Galaxy, Mondeo IV, S-Max
Chrysler: 5, 300, Grand Voyager, Sebring, Voyager
Dodge: Avenger, Caliber, Dakota, Journey, Nitro, Ram Series Pickup
Jeep: Commander, Compass, Grand Cherokee, Patriot, Wrangler
Land Rover: Discovery (TG1C), Evoque (TG1C), Free Lander (TG1C), Free Lander 2 (TG1C), Range Rover (TG1C), Range Rover Vogue (TG1C), Range Sport V8 SC (TG1C), Range V8 S.C. (TG1C)
Jaguar: F-Type (TG1C), X-Type (TG1C), XF (TG1C), XFR (TG1C), XJ X350 (TG1C), XK New (TG1C), XKR (TG1C)
Hyundai: i20, i30, i30SW, ix20
Kia: Cee'd SW, Optima, Pro Cee'd, Sorento, Soul 1.6 CVT, Venga
Mazda: 2, 3, 5, 6, CX-5, CX-7, MX-5, MX-5 Roadster C

Reference number: 72-20-403, TPK43171



Reference number		
149.1032	72-20-403, TPK43171	7

TPMS service set for tyre pressure control systems 33

- For manufacturer VDO
- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of the valve insert and cap, gasket or sealing ring and union nut
- Suitable for steel or aluminium rims

Technical data:

Tightening torque of the nut 8 Nm

Application range:

Jaguar: X-Type, XF, XJ (X350) Limousine, XK New
Land Rover: Discovery, Evoque, FreeLander, Range Rover
Mazda: 3, 5, 6, CX7, MX5

Reference number: TPK43211



Reference number		
149.1033	TPK43211	9

Valve insert

- Suitable for all valves
- Short
- Red rubber gasket
- Nickel plated



Content		
149.1035	25	25

Valve cap

- Suitable for all valves
- Silver
- Plastic



Content		
149.1036	25	25

TPMS service product range for tyre pressure control systems

- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of valve insert and cap, gasket and sealing ring, union nut and (sometimes) marking ring
- Suitable for the most common European combinations of valve and TPMS sensor
- Assigned using the features of manufacturer, model and year
- All parts required for a repair are included
- Suitable for steel or aluminium rims
- In durable plastic storage case



Reference number		
149.0100	80 pcs TPMS service product range for tyre pressure control systems	450

consists of:

X		
149.1002	8 TPMS service set for tyre pressure control systems 02	5
149.1003	8 TPMS service set for tyre pressure control systems 03	5
149.1004	8 TPMS service set for tyre pressure control systems 04	5
149.1005	8 TPMS service set for tyre pressure control systems 05	3
149.1006	8 TPMS service set for tyre pressure control systems 06	10
149.1008	8 TPMS service set for tyre pressure control systems 08	9
149.1009	8 TPMS service set for tyre pressure control systems 09	8
149.1016	8 TPMS service set for tyre pressure control systems 16	5
149.1019	8 TPMS service set for tyre pressure control systems 19	8
149.1020	8 TPMS service set for tyre pressure control systems 20	6



MASTER TPMS service product range for tyre pressure control systems

- The entire valve service set of the sensor must be replaced with every tyre change or tyre service
- Consists of valve insert and cap, gasket and sealing ring, union nut and (sometimes) marking ring
- Suitable for the most common European combinations of valve and TPMS sensor
- Assigned using the features of manufacturer, model and year
- All parts required for a repair are included
- Suitable for steel or aluminium rims
- In durable plastic storage case



149.0200	104 pcs	MASTER TPMS service product range for tyre pressure control systems	900	

consists of:

X				
149.1010	8	TPMS service set for tyre pressure control systems 10	8	
149.1011	8	TPMS service set for tyre pressure control systems 11	5	
149.1012	8	TPMS service set for tyre pressure control systems 12	5	
149.1013	8	TPMS service set for tyre pressure control systems 13	6	
149.1014	8	TPMS service set for tyre pressure control systems 14	6	
149.1015	8	TPMS service set for tyre pressure control systems 15	5	
149.1017	8	TPMS service set for tyre pressure control systems 17	6	
149.1018	8	TPMS service set for tyre pressure control systems 18	9	
149.1023	4	TPMS service set for tyre pressure control systems 23	17	
149.1026	4	TPMS service set for tyre pressure control systems 26	22	
149.1027	4	TPMS service set for tyre pressure control systems 27	17	
149.1028	4	TPMS service set for tyre pressure control systems 28	16	
149.1029	4	TPMS service set for tyre pressure control systems 29	19	
149.1030	4	TPMS service set for tyre pressure control systems 30	19	

THREAD REPAIR

Thread file, metric

- For the restoration of defective internal and external threads
- Suitable for right and left handed threads
- Two sided serviceable
- Special steel

Suitable for thread pitch: 0.8 - 3.0 mm



150.1340		L mm	230.0	130

Thread file, imperial

- For the restoration of defective internal and external threads
- Suitable for right and left handed threads
- Two sided serviceable
- Special steel

Suitable for thread pitch: 24 - 10 pitch imperial



150.1345		L mm	230.0	130

Wheel bolt thread repair set

- For re-cutting and cleaning damaged outer threads
- Ideal composition for wheel bolts
- Ideally suited for hard to reach areas
- Outer hexagonal head drive 24 mm
- Right hand cutting
- High performance steel
- In durable plastic storage case



150.1335	4 pcs	Wheel bolt thread repair set	250	

consists of:

150.1336		Drive tool	104	
150.1337		Threading die M12 x 1.25	21	
150.1338		Threading die M12 x 1.5	21	
150.1339		Threading die M14 x 1.5	21	

Wheel nut thread repair set

- For re-cutting and cleaning damaged inner threads
- Ideal composition for wheel nuts and wheel hub thread
- Ideally suited for hard to reach areas
- Outer hexagonal head drive SW 12
- Right hand cutting
- High performance steel
- In durable plastic storage case



150.1355	3 pcs	Wheel nut thread repair set	270	

consists of:

150.1357		Thread cutter M12 x 1.25	58	
150.1358		Thread cutter M12 x 1.5	60	
150.1359		Thread cutter M14 x 1.5	65	

Wheel bolt thread repair set

- For the repair of internal and external threads
- Ideal for drive shafts, lambda probes, wheel bolts, etc.
- Correct thread repair for damaged or sliced threads
- Suitable for a wide range of applications
- Drive optional with t-handle or external hexagon drive
- In durable plastic storage case



150.1470	9 pcs	Thread repair set	1.37	

consists of:

150.1466		T bar, 8x80mm	30	
150.1471		Thread chaser for M14 x 1.5 for male and female threads	150	
150.1472		Thread chaser for M16 x 1.5 for male and female threads	80	
150.1473		Thread chaser for M18 x 1.5 for male and female threads	90	
150.1474		Thread chaser for M20 x 1.5 for male and female threads	120	
150.1475		Thread chaser for M22 x 1.5 for male and female threads	150	
150.1476		Thread chaser for M24 x 1.5 for male and female threads	170	
150.1477		Thread chaser for M27 x 2.0 for male and female threads	180	
150.1478		Thread chaser for M28 x 1.5 for male and female threads	200	

Thread tapping set for wheel screws and threads

- For re-cutting and cleaning damaged inner and outer threads
- Ideal composition for wheel nuts and bolts
- Slim design
- Ideally suited for hard to reach areas
- Square drive as per DIN 3120/ISO 1174 with backstop groove
- Tolerance as per ISO 2/6H or 6g
- Right-cut
- With TIN-coated surface
- High performance steel
- In durable plastic storage case



150.1420	11 pcs	Thread tapping set for wheel screws and threads	1.20	

consists of:

150.1421		HSS TIN tap, M12 x 1.25	34	
150.1422		HSS TIN tap, M12 x 1.50	36	
150.1423		HSS TIN tap, M14 x 1.50	57	
150.1424		HSS TIN threading die, M12 x 1.25	66	
150.1425		HSS TIN threading die, M12 x 1.50	68	
150.1526		HSS TIN threading die, MF14 x 1.50	68	
150.1527		3/8" socket for tap, 7 mm	30	
150.1428		3/8" socket for tap, 9 mm	34	
150.1419		3/8" threading die adapter	280	
301.0095		Thread gauge, metric, 20 blades	40	
151.2044		Inner hexagon angled pin spanner, long, 4 mm	10	

Thread chaser for outside thread, Ø 35 - 130 mm

- For re-cutting and cleaning damaged outer threads Ø 35 - 130 mm
- Very large application range due to 6 supplied plates
- No damage to the thread due to soft support and guide jaw
- Suitable for right and left-handed thread
- Variable adjustment
- Can be used everywhere regardless of the thread length
- The chaser is well-guided due to the width of the jaw and does not tilt
- Quick conversion possible through threading die change
- Special steel

Metric: 1.0 - 1.25 - 1.5 - 1.75 - 2.0 - 2.5 - 3.0 - 3.5 mm
 Imperial: 24 - 20 - 18 - 16 - 14 - 12 - 11,5 - 11 - 10 - 9 - 8 - 7,5 - 7 - 6 - 5 - 4 pitch/imperial



Ø mm	Replacement jaws mm	Replacement jaws inch	kg	
150.1430	35.0 - 130.0	150.1431	150.1432	1.40

PROFILE DEPTH MEASURER

Tyre profile depth gauge 0 - 30 mm

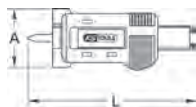
- Glare-free reading
- For depth measurements
- Reading 0.1 mm steps for accurate profile depth determination
- Very handy and light
- Sturdy design
- Made of hard brass



Measuring range mm	L mm	Display accuracy mm	kg	
300.0537	0 - 30	105.0	+/- 0,01	62

Digital tyre profile depth gauge 0 - 25 mm

- In accordance with DIN 862
- Locking screw
- For depth measurements
- mm/imperial switching
- Reset (to zero) in every position possible
- Large LCD display figure height 8.0 mm
- Little energy consumption through automatic switching off
- Entirely hardened, finely engineered
- Stainless steel
- In durable plastic case



Measuring range mm	A mm	L mm	Display accuracy mm	kg	
300.0550	0 - 25	40.0	125.0	+/- 0,03	100

Digital tyre pressure and thread gauge

- Precise and repeatable LCD measurement
- For depth measurements
- For tyre pressure measurements
- Measurement with acoustic signal
- Pressure measurement range can be switched between bar, kpa and PSI
- Low energy consumption due to automatic shutdown
- Includes batteries, key chain and belt clip



Measuring range bar	Profil depth blade in mm	kg	
100.4060	0,15-9,50	0,0-15,0	90

WHEEL FILLING GAUGE

Digital tyre pressure tester

- Precise and repeatable LCD measurement
- For tyre pressure measurements
- Measurement with acoustic signal
- Pressure measurement range can be switched between bar, kpa and PSI
- Low energy consumption due to automatic shutdown
- Includes batteries



Measuring range bar	Length mm	kg	
100.4065	0,15-7,00	128,0	45

Digital tyre pressure and thread gauge

- Precise and repeatable LCD measurement
- For depth measurements
- For tyre pressure measurements
- Measurement with acoustic signal
- Pressure measurement range can be switched between bar, kpa and PSI
- Low energy consumption due to automatic shutdown
- Includes batteries, key chain and belt clip



Measuring range bar	Profil depth blade in mm	kg	
100.4060	0,15-9,50	0,0-15,0	90

Tyre fill nipple with rocker arm

- For hose receptacle Ø 6 mm
- Nipples for tyre fill gauge with rocker arm
- Mounting via hose clamp



Ø mm	kg	
100.5060	6,0	50

Tyre filling gauge

- For one hand operation
- Rubber coated manometer
- Manometer with bar and psi scale
- Filling lever and pressure release button
- Tube with integrated locking male nipple
- Robust rubber coated housing



Technical data:

Working range:	0 - 11 bar
	9 - 160 psi
Tube length:	490 mm
Operating pressure:	max 6,3 bar (90 psi)
Connection thread:	1/4"PT

Total length mm	kg	
515.1950	530,0	600

Calibrated tyre filling gauge

- For one handed operation with ergonomic design
- Rubber coated manometer
- Manometer with bar scale
- With filling lever and pressure release button
- Tube with integrated locking male nipple
- Hanging hole
- Includes 1/4" coupling connector
- Robust rubber coated housing



Technical data:

Working range:	0 - 10 bar
Tube length:	400 mm
Operating pressure:	max. 6,3 bar (90 psi)
Connection thread:	1/4"PT

Total length mm	kg	
515.1960	600,0	450

Tyre filling gauge

- For one hand operation
- With rubber coated manometer
- Manometer with bar and psi scale
- With filling lever and pressure release button
- Tube with integrated locking male nipple
- Robust rubber coated housing



Technical data:

Working range: 0 - 15 bar
0 - 220 psi
Tube length: 350 mm
Operating pressure: 11 bar (160 psi)
Connection thread: 1/4"PT

	Total length mm	
515.1905	500.0	120

Digital tyre filling gauge

- For one-handed operation
- With rubber coated display
- Manometer with digital display
- With fill lever and pressure release button
- Hose with integrated instant plug nipple
- With automatic switch-on and off
- Large LCD display
- Includes 1/4" coupling plug
- Switchable: Bar, PSI, KPA, Kg/cm²



Technical data:

Working range: 0 - 14 bar
0 - 200 psi
Battery: 2x 1,5V (AAA)
Tube length: 500 mm
Operating pressure: max. 6,3 bar (90 psi)
Working temperature: - 15°C to + 60°C
Connection thread: 1/4"PT

	Total length mm	
515.1970	680.0	490

MOUNTING LEVER

Tyre lever with aluminium grip

- Lightweight and thin tyre lever for comfortable working
- With aluminium handle
- Matt finish



	L mm	
911.8170	530.0	620

Tyre and assembly lever

- Sturdy design
- Double-T profile provides for stability
- For mounting and removing tyres
- Extra rounded lever end for application that is gentle on materials
- Matt finish
- Chrome vanadium



	L mm	
911.8143	200.0	120
911.8144	240.0	170
911.8145	280.0	200
911.8146	370.0	400
911.8180	650.0	1100

Tyre iron for installing and removing tyres with replaceable plastic coating

- Damage-free assembly and disassembly
- With wear resistant and replaceable plastic protection
- Sturdy design
- Double-T profile provides for stability
- For mounting and removing tyres
- Extra rounded lever end for application that is gentle on materials
- Matt finish
- Chrome vanadium



	L mm	Replaceable plastic coating	
911.8199	500.0	911.8157	770

Tyre and assembly lever

- Sturdy design
- For mounting and removing tyres
- Extra rounded lever end for application that is gentle on materials
- Phosphate
- Chrome vanadium



	L mm	
911.8147	535.0	600

BEAD HOLD-DOWN DEVICE

Bead hold-down device for tyre mounting machines

- Assembly and disassembly aid that is gentle on the rims
- Universally applicable bead hold-down device
- Sturdy way to press the upper tyre bead down into the rim wheel by hand
- Can be used in connection with all tyre mounting machines
- Ideal for the assembly of run flat tyres
- Much easier work due to lever action
- With sturdy handle
- Sturdy plastic



	L mm	
911.8198	300.0	560

Tyre bead hold-down device for tyre assembly

- Assembly and disassembly aid that is gentle on the rims
- Universally applicable bead hold-down device
- Sturdy way to press the upper tyre bead down into the rim wheel
- Can be used in connection with all tyre mounting machines
- Ideal for the assembly of run flat tyres and low profile tyres
- Much easier work
- With sturdy handle
- Sturdy plastic



	L mm	
911.8197	170.0	170

VALVE BORING TOOLS

Valve thread repair tool

- For the repair of damaged threads on external and internal valves
- Multi functional including ventilation and removal



100.5050	Valve thread repair tool	20

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Valve screw-in special profile socket for steel valves

- For the professional and easy installation and removal of steel valves
- Square drive as per DIN 3121/ISO 1174 with backstop groove
- With guide pin as safeguard against accidental slipping
- Fits perfectly in the counter contour of standard metal valves
- Tightening with torque is possible
- Phosphate
- Chrome molybdenum



1/4"

	L mm	g
150.2028	25.2	11

Valve screwdriver

- Double-sided usable for short and/or long valves (VG5)
- Also suitable for use as a socket cap driver
- With plastic handle



	Suitable for	L mm	g
150.2021	passenger cars and vans (VG5)	130.0	40

Valve screwdriver

- Double-sided usable for short and/or long valves (VG8)
- Also suitable for use as a socket cap driver
- With plastic handle



	Suitable for	L mm	g
150.2022	passenger cars, commercial vehicles and construction machines (VG8)	150.0	40

Valve screwdriver, long

- Suitable for short and/or long valves usage (VG5)
- Also suitable for use as a socket cap driver
- With single component handle



	Suitable for	L mm	g
150.2033	passenger cars and vans (VG5)	170.0	30

Torque valve screwdriver 0,25 Ncm, long

- Ideal for short or long rubber sealing valve usage (VG5)
- Prevents the over tightening and damage of the rubber seal
- When torques is achieved, skips and can also be held audably
- Also suitable for use as a socket cap driver
- With single component handle



	Ncm	L mm	g
150.2029	0,25	120.0	50

Torque valve screwdriver 0.45 Ncm, long

- Ideal for short or long metal sealing valve applications (VG5)
- Prevents the over tightening and damage of the rubber seal
- When torques is achieved, skips and can also be held audably
- Also suitable for use as a socket cap driver
- With single component handle



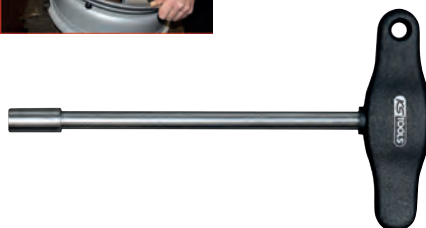
	Ncm	L mm	g
150.2031	0,45	122.0	50



VALVE LIFT

Tyre valve puller

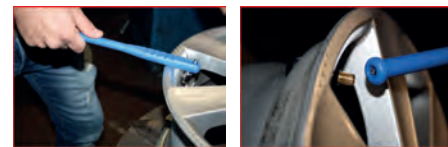
- For inserting rubber valves of all lengths in the rim hole
- Easy handling
- With dual component handle
- Prevents damage, since application without levers over the edge of the rim
- With T-handle
- Chrome plated and mirror polished
- Chrome vanadium



	L mm	g
150.2139	180.0	95

Plastic tyre valve mounting tool

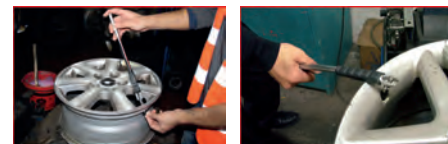
- Easy handling
- For inserting rubber valves of all lengths in the rim hole
- Tilt joint prevents oblique insertion of the valve
- Snap-in notch for secure angle guidance
- Long lever arm for optimal force metering
- Soft plastic shaft prevents damage to aluminium rims
- Click mechanism of the head for quick screwing onto the valve
- Includes valve screw driver bit (VG5) on the handle end
- Plastic



	L mm	g
150.2027	310.0	150

Metal tyre valve mounting tool

- Easy handling
- For inserting rubber valves of all lengths in the rim hole
- Tilt joint prevents oblique insertion of the valve
- Snap-in notch for secure angle guidance
- Long lever arm for optimal force metering
- Protective rubber covering on the shaft prevents damage to aluminium rims
- Special steel

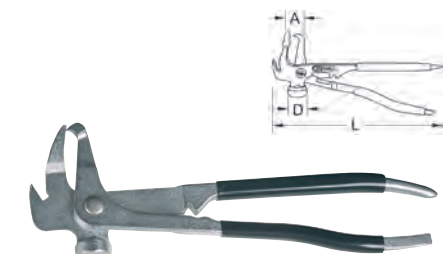


	L mm	g
150.2032	330.0	310

TYRE SERVICE PLIERS

Balancing weight pliers

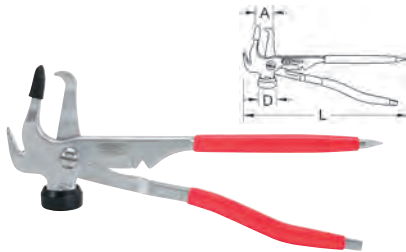
- Sturdy design
- For fastening, loosening and cutting off the balance weights
- With 3 cm long blade for cutting wide adhesive weights
- Hammer head for striking the weights
- Also for expanding and compressing the retaining springs
- Handle ends suitable for discharging air or for removing hub caps
- With dip-insulated handles
- Matt finish
- Chrome vanadium



	A mm	D mm	L mm	g
150.2025	26,0	22,0	250,0	450

Balancing weight pliers with plastic protection

- Sturdy design
- For fastening, loosening and cutting off the balance weights
- With 3 cm long blade for cutting wide adhesive weights
- Hammer head with plastic protection for striking the weights – especially painted weights
- Plastic protection cap prevents damage to aluminium rims
- Also for expanding and compressing the retaining springs
- Handle ends suitable for discharging air or for removing hub caps
- With dip-insulated handles
- Self-opening handle with internal spring
- Matt finish
- Chrome vanadium



	A mm	D mm	L mm	g
150.2024	32,0	28,0	250,0	380

ADHESIVE WEIGHT REMOVER

Adhesive weight remover with saw blade

- Ideal for protective disassembly of adhesive wheel weights on aluminium rims
- With flexible flat scraper and cutting edge
- Lever back flat side chisel form, cutting side with teeth
- Special lever for the removal of wheel weights
- Also suitable for the removal of labels, adhesive and type plates
- Surfaces are not damaged
- Sharpened with a file
- Solvent-resistant
- Special plastic



	L mm	B mm	Radius dimensions in mm	g
911.8111	200,0	25,0	38,0	20

Adhesive weight remover set with saw cutting edge

- Ideal for the gentle disassembly of adhesive weights on aluminium rims
- With flexible blunt scraper and cutting side
- Flat lever back, ground spade side, cutting side with saw radius
- Special lever for removing the adhesive weights
- Also for peeling off labels, adhesive signs and nameplate
- Surfaces are not damaged
- Re-grindable using a file
- Solvent resistant
- Special plastic



	g
911.8115 2 pcs 2 x 200 mm	800

Adhesive weight remover

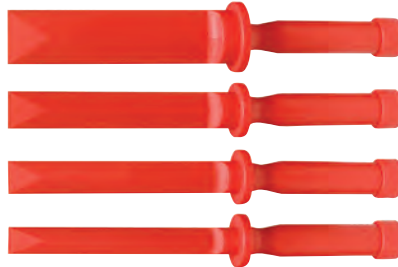
- Ideal for the gentle disassembly of adhesive weights on aluminium rims
- With impact cap for light impacts
- Special shape of the bit handle ensures safe work
- With flexible blunt scraper and cutting side
- Special lever for removing the adhesive weights
- Also for peeling off labels, adhesive signs and nameplate
- Surfaces are not damaged
- Re-grindable using a file
- Solvent resistant
- Special plastic



	A mm	g
911.8131	19,0	130
911.8132	22,0	140
911.8133	26,0	150
911.8134	38,0	180

Adhesive weight remover set

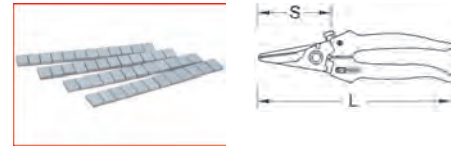
- Ideal for the gentle disassembly of adhesive weights on aluminium rims
- With impact cap for light impacts
- Special shape of the bit handle ensures safe work
- With flexible blunt scraper and cutting side
- Special lever for removing the adhesive weights
- Also for peeling off labels, adhesive signs and nameplate
- Surfaces are not damaged
- Re-grindable using a file
- Solvent resistant
- Special plastic



	g
911.8130 4 pcs 19 - 22 - 26 - 38 mm	570

Adhesive weight shears with toothing

- Toothing for cutting adhesive weights
- Self-opening
- With safety locking device
- Also for cutting gaskets
- With ergonomically shaped plastic handle



	Ø mm	L mm	S mm	g
118.0075	24,0	145,0	32,0	130



Universal snap off blade knife

- For right handed use
- Reinforcement eyelet
- Blade 9 x 80 mm
- 0.4 mm strong snap off blades
- Blade guide out of metal
- Housing made out of plastic
- Two component handle



	L mm	g
907.2152	140,0	907.2168 50

TYRE FITTING GREASE

Round angled brush for tyre mounting paste

- Screwed on brush
- 45° offset
- Ideal for mounting paste on the wheel rim
- Wood handle



	Ø mm	L mm	g
100.4020	45,0	400,0	250



You can find our wide range of knives and shears in our hand tool catalogue on page 536.

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Tyre mounting paste 5 kg, white

- Ideally suitable for the dismantling and assembly of tyres with steel Light alloy and synthetic materials
- Preferred use with passenger cars and motor cycles
- Simply apply with a brush or a sponge on the wheel rim
- Optimal lubricating and bonding properties whilst protecting the tyre
- Releases the air out quickly which guarantees a strong bond in a short time the construction components
- Also suitable for wide tyres
- Supplied in a bucket

Application range: Passenger cars, small vans and motor-cycles



		kg
100.4010	Tyre mounting paste 5 kg, white	5.00

Tyre mounting paste 5 kg, gold

- ideally suitable for the dismantling and assembly of tyres with Steel or aluminium rims
- For the dismantling and assembly of truck tyres with steel rims
- Simply apply with a brush or a sponge on the wheel rim
- Optimal lubricating and bonding properties whilst protecting the tyre
- Releases the air out quickly which guarantees a strong bond in a short time the construction components
- The professional black paste avoids staining as with the white paste
- Also suitable for wide tyres
- Supplied in a bucket

Application range: Trucks land and construction machines



		kg
100.4005	Tyre mounting paste 5 kg, gold	5.00

Tyre mounting paste 5 kg, black

- Ideally suitable for the dismantling and assembly of tyres with steel or aluminium rims
- Preferred use with passenger cars and motor cycles
- Simply apply with a brush or a sponge on the wheel rim
- Optimal lubricating and bonding properties whilst protecting the tyre
- Releases the air out quickly which guarantees a strong bond in a short time the construction components
- The professional black paste avoids staining as with the white paste
- Also suitable for wide tyres
- Supplied in a bucket

Application range: Passenger cars, small vans and motor-cycles



		kg
100.4015	Tyre mounting paste 5 kg, black	5.00

Crayon

- Smudge free
- Suitable to write on all surfaces
- Breakproof



	Colour code	Ø mm	L mm	Content	kg
100.4050	●	14,0	110,0	12	140
100.4045	●	14,0	110,0	12	140

TYRE REPAIR

Tyre vulcanising repair set

- With 100 mm vulcanising thread
- Self-vulcanising material
- Easy handling
- Sturdy metal tool
- Ideal for the repair of stitch damage to treads of tubeless tyres
- Contains all tools needed for the repair
- Applicable in accordance with the valid guidelines for the repair of pneumatic tyres

Application range: passenger cars, motorcycles, vans, saloon cars



		kg
150.1070	5 pcs Tyre vulcanising repair set	900

consists of:

		kg
150.1071	Lubricant, 70 g	70
150.1072	60 Replacement strings 100 mm	190
150.1073	Needle short	110
150.1074	Rasp	110
150.1075	Break-off utility knife 9 mm	10

Tyre vulcanising repair set

- With 178 mm vulcanising thread
- Self-vulcanising material
- Easy handling
- Sturdy metal tool
- Ideal for the repair of stitch damage to treads of tubeless tyres
- Contains all tools needed for the repair
- Applicable in accordance with the valid guidelines for the repair of pneumatic tyres

Application range: Vans, commercial vehicles, tractors, agricultural and construction machines



		kg
150.1080	5 pcs Tyre vulcanising repair set	900

consists of:

		kg
150.1071	Lubricant, 70 g	70
150.1082	30 Replacement strings 178 mm	190
150.1083	Needle long	110
150.1074	Rasp	110
150.1075	Break-off utility knife 9 mm	10

SlimPOWER mini-pneumatic straight drill

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Not reversible
- With quick release chuck capacity 1 - 6,5 mm
- For hard to reach places
- Ideally suited for car bodywork and industrial working
- With stepless speed regulation
- Vibration dampened through double bearing guides
- Includes 1/4" coupling connector
- Robust housing



Technical data:

Chuck capacity:	1 - 6,5 mm
Chuck thread reception:	3/8" x 24 UNF
Capacity:	190 Watt
No load current:	6000 r.p.m.
Vibration:	< 0,7 ms ²
Noise performance level:	95 dbA
Noise pressure level:	80 dbA
Air consumption:	240.66 l/min
Min. tube diameter:	1/4" - 4,8 mm
Operating pressure:	max. 5,5 bar (80 psi)
Connection thread:	1/4"NPT

	B mm	L mm	kg
515.5020	35.5	145.0	400

Pneumatic straight drill

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Not reversible
- With quick release chuck capacity 0 - 10 mm
- For hard to reach places
- Ideally suited for car bodywork and industrial working
- With stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened through double bearing guides
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic



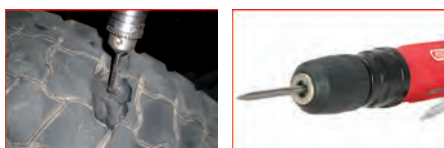
Technical data:

Chuck capacity: 1 - 10 mm
 Chuck thread reception: 3/8" x 24 UNF
 Capacity: 330 Watt
 No load current: 2600 r.p.m.
 Vibration: < 0,1 ms²
 Noise performance level: 95 dbA
 Noise pressure level: 82 dbA
 Air consumption: 85 l/min
 Min. tube diameter: 3/8" - 10 mm
 Operating pressure: max. 6,3 bar (90 psi)
 Connection thread: 1/4"NPT

	B mm	L mm	Weight
515.3025	44.0	215.0	750

Steel core cutter

- For exact damage preparation on radial and diagonal tyres
- Specially for the preparation and precision removal of the damaged area
- For the use with pneumatic drill
- Long life time
- Special tool steel



	Ø mm	L mm	Weight
331.0680	3,0	57,0	10
331.0681	5,0	58,0	10
331.0682	6,0	72,0	20
331.0683	9,0	100,0	40



Pneumatic erasing machine

- Straight design
- Air exhaust through the handle rear end
- For one handed operation with ergonomic design
- Ideal for removing of stickers glue and color remainders
- Includes neutral colored rubber eraser disc
- Stepless speed regulation
- Number of revolutions adjustable through regulating screw
- Vibration dampened
- Cold insulated handle
- Includes 1/4" coupling connector
- Ultra light robust housing from special plastic



Technical data:

Tool holder: 5/16" - 24
 Capacity: 330 Watt
 No load current: 2600 r.p.m.
 Vibration: < 0,1 ms²
 Noise performance level: 95 dbA
 Noise pressure level: 82 dbA
 Air consumption: 85 l/min
 Operating pressure: max. 6,3 bar (90 psi)
 Min. tube diameter: 3/8" - 10 mm
 Connection thread: 1/4"PT

	B mm	L mm	Eraser wheels	Weight
515.1244	40.0	225.0	515.1243	1.08

Rubber eraser disc

- For removing of stickers, glue and color remainders on varnished areas
- Includes neutral colored rubber eraser preventing a smearing on the surface
- Not suitable for pneumatic die grinders



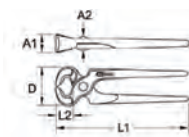
Technical data:

Speed: 4000 rpm
 Shaft: M8

	B mm	D mm	Content	Weight
515.1243	15.0	90.0	1	110
515.1285	15.0	90.0	6	660

Rabitz pliers

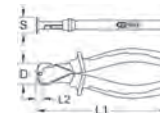
- In accordance to DIN / ISO 9242
- With PVC dipped handle
- Ground heads
- For cutting and twisting tie wire
- Oil-hardened
- Black surface
- Special tool steel



	A1 mm	A2 mm	D mm	L1 mm	L2 mm	Weight
116.1404	18.0	19.0	26.0	190.0	17.0	350
116.1401	20.0	19.0	29.0	220.0	17.0	400
116.1400	25.0	20.0	36.0	250.0	17.0	400
116.1403	26.0	20.0	37.0	280.0	17.0	500

ERGOTORQUE® cutting pliers

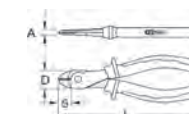
- In accordance to DIN ISO 5748
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Matt chrome
- Special tool steel



	D mm	L1 mm	L2 mm	S mm	Weight
115.1015	31.0	160.0	7.0	24.0	270

ERGOTORQUE® high leverage side cutter

- In accordance to DIN ISO 5749
- 30° angled head
- Long cutting edge
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Matt chrome
- Special tool steel



	A mm	D mm	L mm	S mm	Weight
115.1013	12.0	29.0	180.0	21.0	260

WEDGES

Underlaid sheet metal wedge (pair)

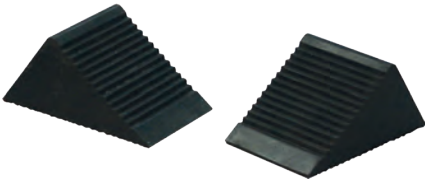
- For securing large vehicles and for load securing
- Optimal slip resistance
- Perforated support surface
- No deformation
- Delivery takes place in pairs
- Heavy version
- Made of sturdy sheet



	Length mm	Height mm	Width mm	
160.0381	230.0	220.0	125.0	700

Underlaid rubber wedge (pair)

- For securing trailers, vehicles and for load securing
- Optimal slip resistance
- Gridded support surface
- No deformation, no rusting
- More durable than plastic or sheet metal wedge
- Delivery takes place in pairs
- Made of solid rubber



	Length mm	Height mm	Width mm	
160.0382	105.0	75.0	75.0	660

Underlaid rubber wedge with handle

- For securing trailers, vehicles and for load securing
- Optimal slip resistance
- Incorporated handle for easy transport
- Gridded support surface
- No deformation, no rusting
- More durable than plastic or sheet metal wedge
- Delivery takes place in parts
- Heavy version
- Made of solid rubber



	Length mm	Height mm	Width mm	
160.0383	200.0	150.0	100.0	2.20

LIFT TECHNOLOGY

Hydraulic vehicle mover

- Universally applicable on driver and passenger side
- Casters allow for the manoeuvring of vehicles in the tightest spaces
- Ideal for manoeuvring vehicles on solid ground
- Easily rolled in any direction
- For the space-saving storage of vehicles in repair breaks
- Ideal for showrooms, body shops, towing companies, etc.
- Easy operation via foot pedal
- With self-lubricating ball bearings
- Four ball bearing solid rubber casters



Technical data:

Tyre size: 13" - 19"
Wheel diameter: 720 mm

	Max load 1 pcs / kg	Max load 4 pcs / kg	Max tyre width mm	
160.0412	680	2720	228	16.60

Hydraulic vehicle mover

- Universally applicable on driver and passenger side
- Casters allow for the manoeuvring of vehicles in the tightest spaces
- Ideal for manoeuvring vehicles on solid ground
- Easily rolled in any direction
- For the space-saving storage of vehicles in repair breaks
- Ideal for showrooms, body shops, towing companies, etc.
- Easy operation via foot pedal
- With self-lubricating ball bearings
- Four ball bearing solid rubber casters



Technical data:

Tyre size: 13" - 19"
Wheel diameter: 720 mm

	Max load 1 pcs / kg	Max load 4 pcs / kg	Max tyre width mm	
160.0413	680	2720	305	16.60



Hydraulic vehicle mover, aluminium

- Universally applicable on driver and passenger side
- Casters allow for the manoeuvring of vehicles in the tightest spaces
- Ideal for manoeuvring vehicles on solid ground
- Easily rolled in any direction
- For the space-saving storage of vehicles in repair breaks
- Ideal for showrooms, body shops, towing companies, etc.
- Easy operation via foot pedal
- With self-lubricating ball bearings
- Four ball bearing solid rubber casters



Technical data:

Tyre size: 13" - 19"
Wheel diameter: 720 mm

	Max load 1 pcs / kg	Max load 4 pcs / kg	Max tyre width mm	
160.0414	680	2720	305	18.44

Storage and Trolley for vehicle mover

- Universally applicable
- Casters allow for manoeuvring
- Easily rolled in any direction
- For the space-saving housing of hydraulic vehicle movers
- Suitable for 4 vehicle movers
- With self-lubricating ball bearings
- Four ball bearing solid rubber casters



	Length mm	Width mm	Height mm	
160.0415	800.0	470.0	230.0	9.64

Wheel roller set

- Direct rolls enable the movement in the narrowest of areas
- Ideally for the maneuvering of vehicles on firm ground
- For the space saving storing of vehicles in repair workshops
- Four ball bearing solid rubber wheels



Technical data:

Max. tyre size: 13" - 16"
 Wheel diameter: 90.0 mm

	Max load 1 pcs./kg	Max load 4 pcs./kg	Max tyre width mm	kg
160.0375	450,0	1800,0	360,0	10,00

Aluminium axle stand set

- Especially light and stable
- High level of stability due to the diameter of the base plate
- Safety locking bolt with chain
- Suits itself especially well in combination with jack for the safe bracing of a load
- Aluminium



	Max load t	Stroke way mm	Min total height mm	Max total height mm	kg
160.0315	3,0	140,0	260,0	400,0	2,20

Steel chassis stand with quick lock

- Solidly built
- For heavy vehicle weights
- High level of stability due to large sturdy base plate
- Support bar made of cast steel
- Quickly adjustable
- 13-stage quick clamping lever
- Particularly suitable in combination with car jacks for the safe bracing of a load
- Delivery takes place in parts
- Made of solid steel



	Max load t	Min total height mm	Max total height mm	kg
160.0373	10	450,0	750,0	21,50
160.0374	10	650,0	1100,0	26,50
160.0377	20	420,0	660,0	29,00
160.0378	20	665,0	1170,0	29,00
160.0379	30	415,0	640,0	25,50
160.0380	30	675,0	1050,0	35,50

Steel axle stands with quick adjustment

- 4 feet on each stand
- Solid construction
- For heavy vehicles weights
- High level of stability
- Lifting bar made from cast steel
- Quick adjustment (in pairs)
- Height adjustment has 13 stages
- Suits itself especially well in combination with jack for the safe bracing of a load
- Made from solid steel



	Max load t	Stroke way mm	Min total height mm	Max total height mm	kg
160.0370	3,0	130,0	295,0	425,0	8,00
160.0371	6,0	205,0	400,0	605,0	15,00
160.0372	12,0	250,0	480,0	730,0	26,00

Spindle support stand

- Variably adjustable via spindle
- 3-foot chassis stand
- Solidly built
- For heavy vehicle weights
- High level of stability
- Collapsible, so saves a lot of space
- Is particularly suitable in combination with jacks for securing and supporting a load
- Made of solid steel



	Max load t	Min total height mm	Max total height mm	kg
160.0441	12,0	456,0	710,0	17,00
160.0442	12,0	710,0	1065,0	25,00



Hydraulic bottle jack 2 - 100 t

- Security valve against overload
- Telescopic piston pole
- Additional spindle for extension (not in 30 and 50 t executions)
- Two piece lever arms
- For heavy vehicles weights
- Especially suitable for narrow hard to access areas
- High level of stability
- Ideally suited in combination with jack for the neutralizing and bracing of a load
- Heavy steel construction



	Max load t	Min total height mm	Max total height mm	Hydraulic lift mm	Screw extension mm	Dimension of base plate mm	kg
160.0350	2,0	181,0	345,0	116,0	48,0	88 x 92	2,90
160.0351	3,0	194,0	372,0	118,0	60,0	92 x 100	3,80
160.0352	5,0	216,0	413,0	127,0	70,0	96 x 112	5,10
160.0354	10,0	230,0	460,0	150,0	80,0	110 x 127	7,10
160.0356	15,0	230,0	460,0	150,0	80,0	113 x 136	9,30
160.0358	20,0	242,0	452,0	150,0	60,0	144 x 155	11,90
160.0359	30,0	285,0	465,0	180,0	-	190 x 155	21,70
160.0360	50,0	300,0	480,0	180,0	-	218 x 176	30,70
160.0349	100,0	335,0	515,0	180,0	-	240 x 260	35,50

Hydraulic aluminium trolley jack

- Especially light aluminium jack
- Shallow depth for comfortable working under the vehicle
- Large base for safe standing
- Controlled releasing through the turning of the pump lever
- Raising with small pump lifts to the maximum height
- Good maneuverability through two oil and acid resistant nylon direct castors
- Integrated screw tray
- The lower area of the pump lever is coated with foam material
- Lifting plate diameter 120 mm
- Problem free movement due to lightweight and secure handling
- Ideally suited for the use in service vehicles and workshop use
- Extremely heavy aluminium construction



	Max capacity t	Stroke way mm	Min total height mm	Max total height mm	Total length mm	Spare lifting plate	kg
160.0365	2,0	385,0	85,0	470,0	630,0	160.0361	20,00
160.0369	3,0	405,0	100,0	510,0	690,0	160.0361	26,00

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Hydraulic steel trolley jack 3 t

- Large base for safe standing
- Controlled releasing through the turning of the pump lever
- Raising with small pump lifts to the maximum height
- Good maneuverability through two oil and acid resistant nylon direct castors
- Integrated screw tray
- The lower area of the pump lever is coated with foam material
- Lifting plate diameter 140 mm
- Overload protection through pressure relief valve
- Ideally suited for daily workshop use
- Heavy steel construction



	Max capacity t	Stroke way mm	Min total height mm	Max total height mm	Total length mm	Spare lifting plate	kg
160.0366	3,0	410,0	125,0	535,0	720,0	160.0362	43,00



Hydraulic steel trolley jack

- Very shallow depth for comfortable working under the vehicle
- Large base for safe standing
- Raising with the pump lever and foot lever is possible
- Foot pedal for the bridging of the empty stroke
- Controlled releasing through the turning of the pump lever
- Raising with small pump lifts to the maximum height
- Good maneuverability through two oil and acid resistant nylon direct castors
- Integrated screw tray
- The lower area of the pump lever is coated with foam material
- Lifting plate diameter 120 mm
- Overload protection through pressure relief valve
- Ideally suited for daily workshop use
- Heavy steel construction



	Max capacity t	Stroke way mm	Min total height mm	Max total height mm	Total length mm	Spare lifting plate	kg
160.0367	2,0	420,0	70,0	490,0	700,0	160.0363	43,00
160.0368	3,0	440,0	90,0	530,0	800,0	160.0363	54,00

Hydraulic steel trolley jack

- Slightly lower load depth for modern automobile car bodies
- Large base for safe standing
- Automatic ventilation of the hydraulic systems
- Overload protection through overload pressure valve
- Raising with the hand and foot lever is possible
- Foot pedal for the bridging of the empty stroke
- The lower area of the pump lever is coated with foam material
- Controlled releasing through the turning of the pump lever
- Lifting plate diameter 140 - 170 mm
- Good maneuverability through oil and acid resistant nylon direct castors
- Ideally suited for daily workshop use
- Durable steel construction



	Max capacity t	Stroke way mm	Min total height mm	Max total height mm	Total length mm	Spare lifting plate	kg
160.0702	5,0	400,0	160,0	560,0	1481,0	160.0364	125,00
160.0703	10,0	400,0	170,0	570,0	1560,0	160.0364	170,00

TYRE TRANSPORT

Tyres platform trolley

- Solid construction of steel sheet
- Firmly fixed grasping handle made from steel tube
- Grasping handle is hinged and locked with safety security catches without any tools
- In minimal time
- Rubber surrounding edges protect the trolley and surroundings from damage
- For ball bearing rubber wheels
- Load area has a plastic covering



Technical data:
 Wheel diameter: 100 mm
 Total load capacity: 150 kg

	L mm	B mm	H mm	kg
800.0015	740,0	480,0	810,0	9,20

Professional wheel trolley

- Steel tubular structure with deep welded joints
- Light and agile transportation for use in smallest space
- For the easy stacking and transporting of tyres and wheels
- From round tubes welded together manufactured and solid
- 2 large pneumatic tyres
- 2 fixed rubber wheels
- Improved standing and prevention of tipping
- Optimal transportation due to traverse brake stop
- Perfectly suitable with the tyre trade or vehicle workshops



Technical data:

Large size fixed wheels: Ø 260 mm (pneumatic tyres)
 Large size swivel wheels: Ø 125 mm (solid rubber)
 Max. bucket dimensions: Ø 730 mm

	Max load kg	L mm	B mm	H mm	kg
160.0055	150,0	850,0	715,0	1610,0	15,00



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