K15

KSTOOLS®

7 PLIERS

KS TOOLS®

Innovation is our mission!

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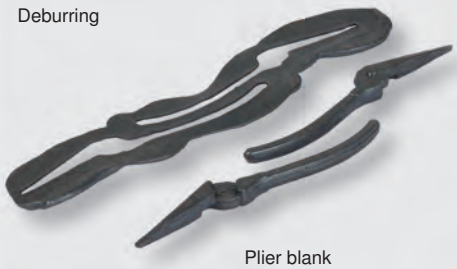
PLIERS

Manufacturing and fabrication steps

Raw material blank

Forging of the plier blank

Deburring



Plier blank

Preparing of the joint rivet reception and the pliers head profile

Hardening and tempering

Riveting and arranging of the pliers arms and surface refinement of the pliers head

Attaching of the handle sheath

Plier joints

Lay-on joint

The two halves of the pliers are placed on top of each other and riveted - without being milled out. e.g.: End cutting pliers

Lap joint

One of the pliers arms revolves in the milled edge and the other arm around the joint bolt. e.g.: Combination pliers

Box joint

Joint which is pushed through in the arm of the pliers by an opening in the other arm. e.g: Water pump plier

Surfaces

Polished head

Titan finish

Handle designs

Dipped handle

2 component handle

Plier profile

CLASSIC

- Dip coated handle
- Hot forged and tempered
- Ground heads
- Precise machined, oil hardened and tempered
- Cutting edges inductively hardened
- High cutting performance
- Special quenched and tempered steel

Handle colour: red

ERGOTORQUE®

- 2 Component handle with ergonomic hand protection
- Hot forged and tempered
- Ground heads
- Precise machines, oil hardened and tempered
- Cutting edges inductively hardened
- Perfect torque transmission
- High cutting performance
- Special quenched and tempered steel

Handle colour: black / red

ULTIMATE PLUS

- 2 Component handle with ergonomic hand protection
- Hot forged and tempered
- Head chrome plated titan finished
- Precise machined, oil hardened and tempered
- Cutting edges inductively hardened
- Perfect torque transmission
- Excellent cutting performance
- Special quenched and tempered steel

Handle colour: black / red

GRIPfix Xtreme

- Forged gripping jaws
- Prevents slipping even at high forces
- Well thought through jaw teeth
- Size adjustment using the adjustment wheel
- With loosening lever
- No flaring under the strongest loads
- Nickel-plated

ESD pliers

Can be found in the Precision Mechanics section

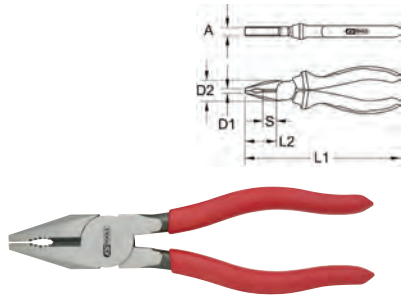
Insulated pliers

Can be found in the VDE and general electrician tool kits section

COMBINATION PLIERS

Combination pliers

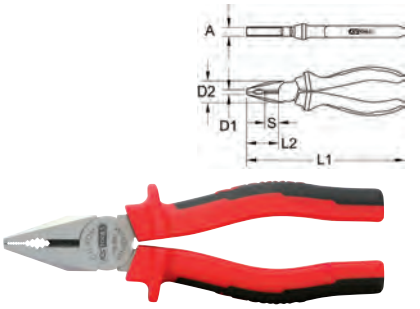
- In accordance to DIN ISO 5748
- Long cutting edge
- Suitable for wire
- Inductively hardened precision cutting edges
- With PVC dipped handle
- Matt chrome
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
115.1320	11.0	7.0	25.0	165.0	34.0	15,0	150
115.1321	12.0	8.0	28.0	180.0	36.0	16,0	290
115.1322	12.0	9.0	33.0	200.0	41.0	20,0	380

ERGOTORQUE® combination pliers

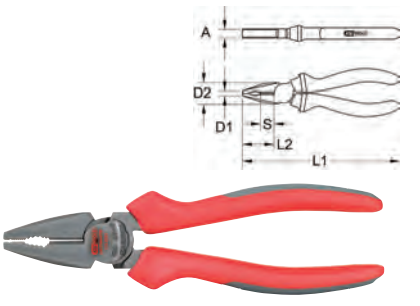
- In accordance to DIN ISO 5748
- Long cutting edge
- Suitable for wire
- Inductively hardened precision cutting edges
- With two component handle
- Matt chrome
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
115.1020	11.0	7.0	24.0	160.0	35.0	15,0	300
115.1021	12.0	7.0	28.0	180.0	36.0	15,0	300
115.1022	12.0	7.0	32.0	200.0	41.0	20,0	400

ULTIMATE*plus* combination pliers

- In accordance to DIN / ISO 5748
- Long cutting edge
- Suitable for wire
- Inductively hardened precision cutting edges
- With two component handle
- Titanium coated surface
- Special tool steel

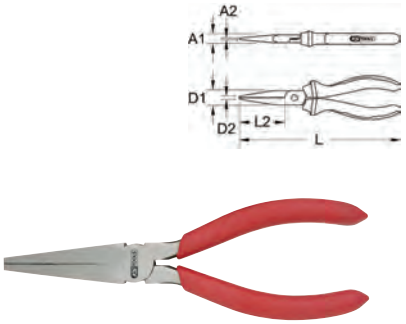


	A mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
119.2020	11.0	7.0	24.0	160.0	35.0	15,0	300
119.2021	12.0	7.0	28.0	180.0	36.0	15,0	300
119.2022	12.0	7.0	32.0	200.0	41.0	20,0	400

FLAT PLIERS

Flat pliers

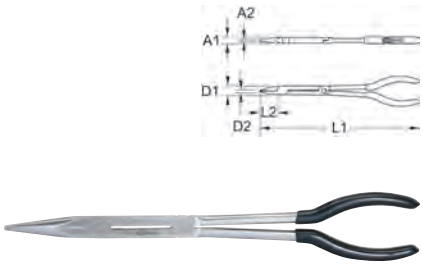
- In accordance to DIN / ISO 5232
- With locking jaw opening
- With adjusting screw and spring
- With two component handle
- For wires from 0,5 - 4,0 mm²
- Titanium coated surface
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
115.1316	11.0	7.0	19.0	7.0	165.0	51.0	150
115.1317	13.0	7.0	20.0	7.0	200.0	63.0	230

Double jointed flat pliers, extra long

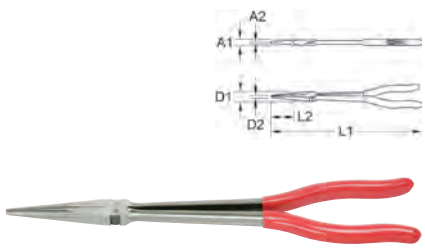
- Serrated execution
- With double joint
- Extremely narrow design
- For difficult to access areas
- With PVC dipped handle
- Matt chrome
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.7062	11.0	3.0	18.0	5.0	300.0	65.0	450

Telephone pliers, extra long

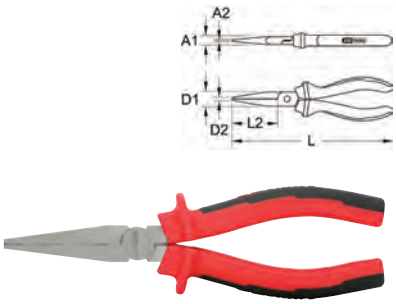
- Long nosed jaws
- Serrated execution
- With PVC dipped handle
- Extra long execution
- Matt chrome
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.7051	11.0	4.0	18.0	7.0	270.0	70.0	330

ERGOTORQUE® flat pliers

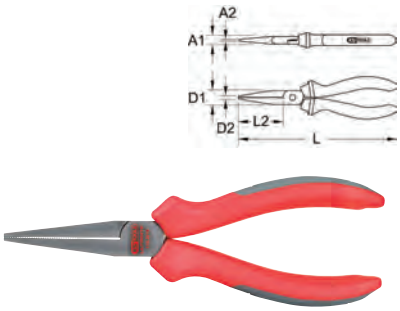
- In accordance to DIN ISO 5745
- Serrated execution
- With two component handle
- Matt chrome
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
115.1016	9.0	6.0	18.0	5.0	160.0	51.0	250
115.1017	13.0	8.0	20.0	7.0	200.0	65.0	260

ULTIMATE*plus* flat pliers

- In accordance to DIN / ISO 5745
- Serrated execution
- With two component handle
- Titanium coated surface
- Special tool steel

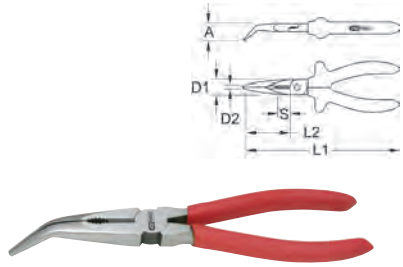


	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
119.2016	9.0	6.0	18.0	5.0	160.0	51.0	250

NEEDLE NOSE PLIERS

Long nosed pliers, curved

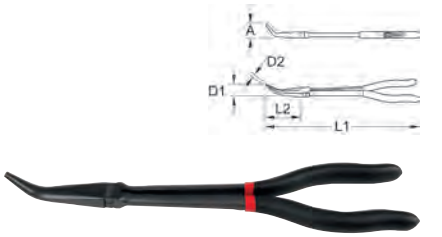
- In accordance to DIN / ISO 5745
- With PVC dipped handle
- 45° curved jaws
- For soft and medium wire
- Inductively hardened precision cutting edges
- Matt chrome
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
115.1318	14.0	19.0	5.0	165.0	50.0	11,0	150
115.1319	24.0	22.0	5.0	200.0	68.0	14,0	230

Telephone pliers 45° curved, extra long

- Long nosed jaws
- Serrated execution
- 45° curved jaws
- With PVC dipped handle
- Extra long execution
- Matt chrome
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.7052	26.0	18.0	7.0	270.0	70.0	330

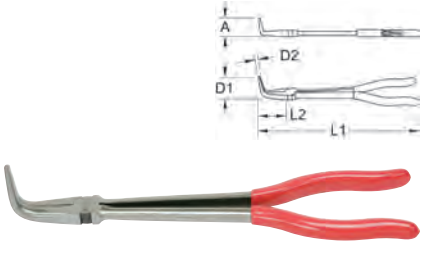
Double jointed long nosed pliers 45° curved, extra long

- Serrated execution
- With double joint
- Extremely narrow design
- 45° curved jaws
- With PVC dipped handle
- For difficult to access areas
- Matt chrome
- Special tool steel

	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.7063	22.0	17.0	5.0	325.0	60.0	450

Telephone pliers 90° curved, extra long

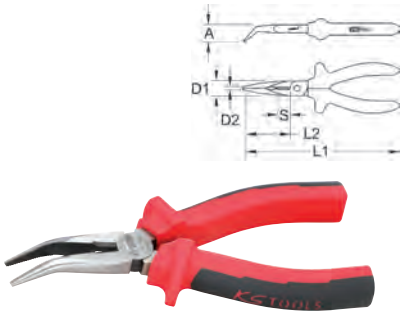
- Long nosed jaws
- Serrated execution
- 90° curved jaws
- With PVC dipped handle
- Extra long execution
- Matt chrome
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.7053	46.0	18.0	7.0	270.0	42.0	330

ERGOTORQUE® long nosed pliers, curved

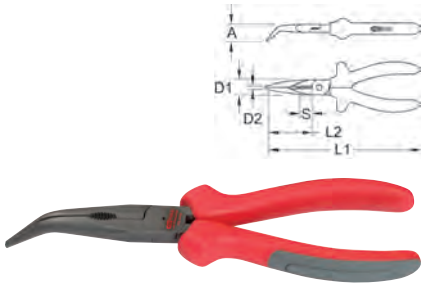
- In accordance to DIN / ISO 5745
- With two component handle
- 45° curved jaws
- For soft and medium wire
- Inductively hardened precision cutting edges
- Matt chrome
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
115.1018	18.0	18.0	3.0	165.0	50.0	11,0	250
115.1019	27.0	22.0	5.0	210.0	67.0	16,0	260

ULTIMATE*plus* long nosed pliers, curved

- In accordance to DIN / ISO 5745
- With two component handle
- 45° curved jaws
- For soft and medium wire
- Inductively hardened precision cutting edges
- Titanium coated surface
- Special tool steel

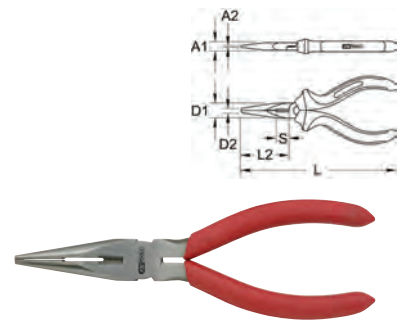


	A mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
119.2018	18.0	18.0	3.0	165.0	50.0	11,0	250
119.2019	27.0	22.0	5.0	210.0	67.0	16,0	270

TELEPHONE PLIERS

Telephone pliers

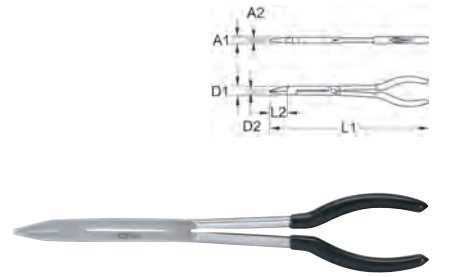
- In accordance to DIN ISO 5745
- Long nosed jaws
- Serrated execution
- With PVC dipped handle
- With intergrated cutting edge
- Matt chrome
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
115.1323	9.0	3.0	18.0	5.0	165.0	51.0	11,0	150
115.1324	11.0	3.0	22.0	5.0	200.0	75.0	15,0	230

Double jointed telephone pliers, extra long

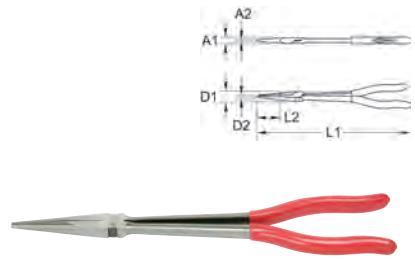
- Serrated execution
- With double joint
- Extremely narrow design
- With PVC dipped handle
- For difficult to access areas
- Matt chrome
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.7061	10.0	10.0	18.0	3.0	335.0	32.0	450

Telephone pliers, extra long

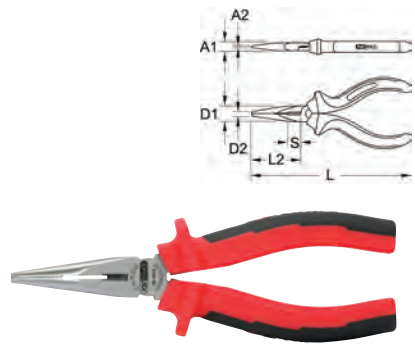
- Long nosed jaws
- Serrated execution
- With PVC dipped handle
- Extra long execution
- Matt chrome
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.7051	11.0	4.0	18.0	7.0	270.0	70.0	330

ERGOTORQUE® telephone pliers

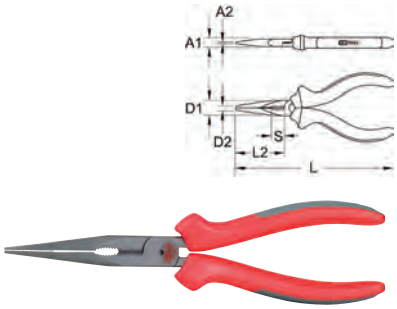
- In accordance to DIN ISO 5745
- Long nosed jaws
- Serrated execution
- With two component handle
- With intergrated cutting edge
- Matt chrome
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
115.1023	9.0	3.0	18.0	4.0	160.0	49.0	12,0	150
115.1024	11.0	3.0	22.0	4.0	200.0	75.0	16,0	230

ULTIMATE*plus* telephone pliers

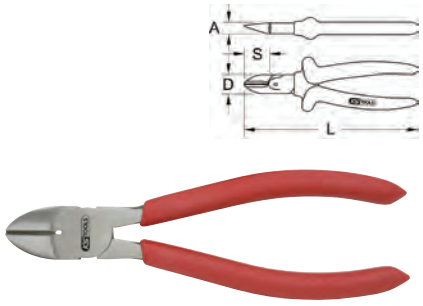
- In accordance to DIN / ISO 5745
- Long nosed jaws
- Serrated execution
- With two component handle
- With intergrated cutting edge
- Titanium coated surface
- Special tool steel



	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	S mm	g
119.2023	9.0	3.0	18.0	4.0	160.0	49.0	12,0	150
119.2024	11.0	3.0	22.0	4.0	200.0	75.0	16,0	230

Diagonal side cutter

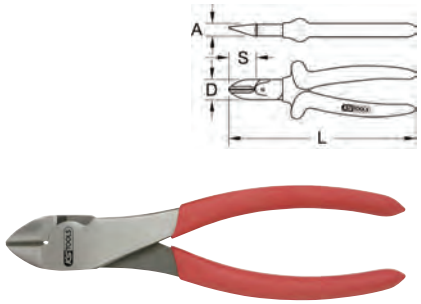
- In accordance to DIN ISO 5749
- Long cutting edge
- Suitable for various types of wire
- Induction-hardened precision cutting
- With PVC dipped handle
- Matt chrome
- Special tool steel



	A mm	D mm	L mm	S mm	g
115.1311	20.0	19.0	130.0	5,0	110
115.1312	20.0	22.0	165.0	5,0	160

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 PVC dipped handle
- Matt chrome
- Special tool steel

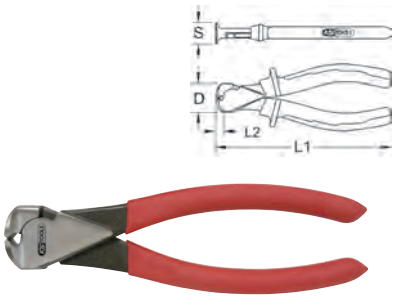


	A mm	D mm	L mm	S mm	g
115.1313	13.0	28.0	180.0	18,0	230

CUTTING PLIERS AND SIDE CUTTERS

Cutting pliers

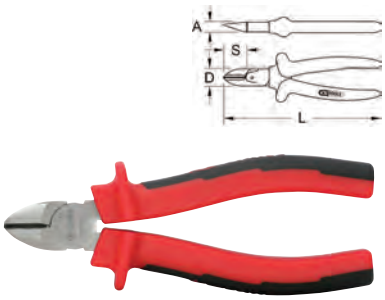
- In accordance to DIN ISO 5748
- Suitable for various types of wire
- Induction-hardened precision cutting
- With PVC dipped handle
- Matt chrome
- Special tool steel



	D mm	L1 mm	L2 mm	S mm	g
115.1315	31.0	165.0	18.0	39,0	180

ERGOTORQUE® diagonal side cutter

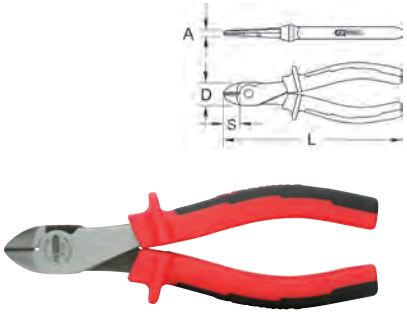
- In accordance to DIN ISO 5749
- Long cutting edge
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Matt chrome
- Special tool steel



	A mm	D mm	L mm	S mm	g
115.1011	9.0	18.0	125.0	18,0	140
115.1012	11.0	22.0	160.0	20,0	260

ERGOTORQUE® high leverage side cutter

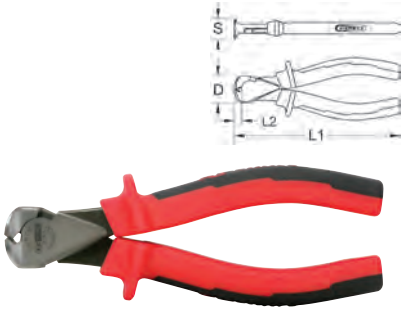
- In accordance to DIN ISO 5749
- 30° angled head
- Long cutting edge
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Matt chrome
- Special tool steel



	A mm	D mm	L mm	S mm	g
115.1013	12.0	29.0	180.0	21,0	260

ERGOTORQUE® cutting pliers

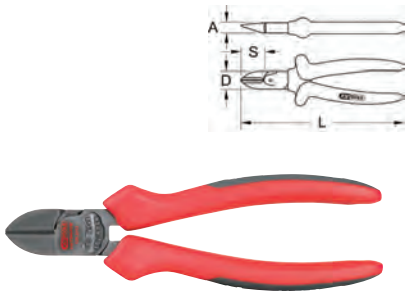
- In accordance to DIN ISO 5748
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Matt chrome
- Special tool steel



	D mm	L1 mm	L2 mm	S mm	g
115.1015	31.0	160.0	7.0	24,0	270

ULTIMATE*plus* diagonal side cutter

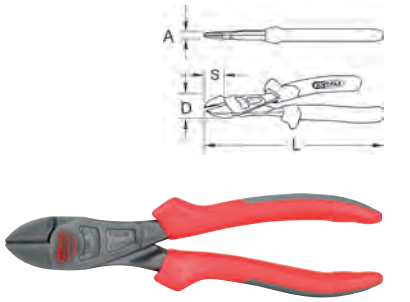
- In accordance to DIN / ISO 5749
- Long cutting edge
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Titanium coated surface
- Special tool steel



	A mm	D mm	L mm	S mm	g
119.2011	10.0	20.0	145.0	20,0	140
119.2012	11.0	22.0	170.0	24,0	260

ULTIMATE*plus* high leverage side cutter

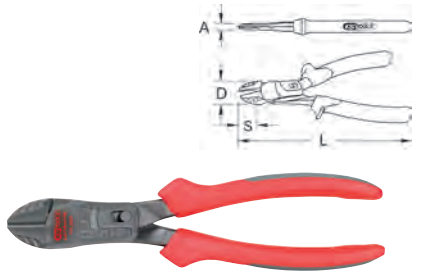
- In accordance to DIN / ISO 5749
- 30° angled head
- Long cutting edge
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Titanium coated surface
- Special tool steel



	A mm	D mm	L mm	S mm	g
119.2013	12.0	29.0	180.0	21,0	260

ULTIMATE*plus* high leverage side cutter

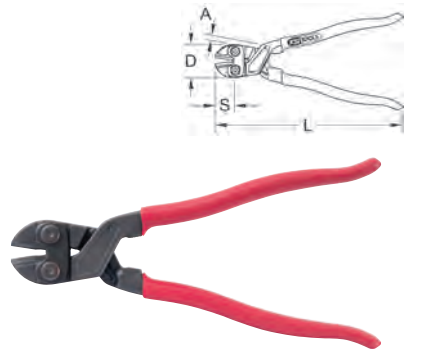
- Long cutting edge
- Induction-hardened precision cutting
- With two component handle
- Suitable for various types of wire
- Extremely robust execution
- Titanium coated surface
- Special tool steel



	A mm	D mm	L mm	S mm	g	
119.2025	17.0	30.0	210.0	23,0	300	

Mini bolt cutter, self-releasing

- With pipe handle
- With steel tube legs and eccentric adjustment
- With interchangeable cutter head
- Cutter head made of high quality special steel
- Inductively hardened precision cutting edges
- Phosphate
- Chrome molybdenum

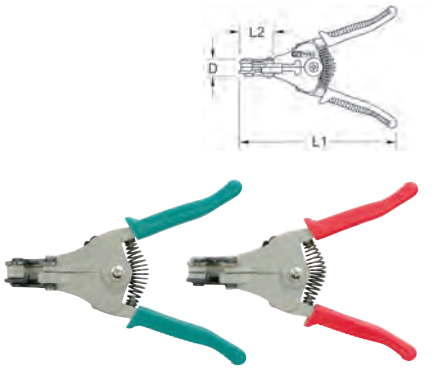


	L mm	S mm	D mm	A mm	g	
118.0015	205.0	14,0	34.0	17.0	260	

WIRE STRIPPER

Automatic wire stripper

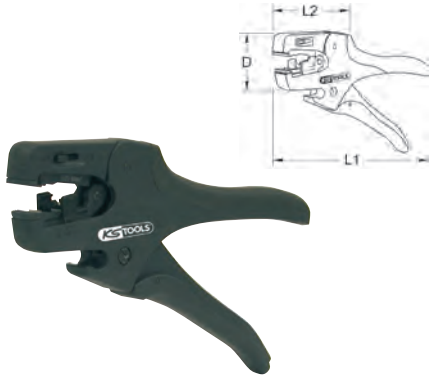
- Plastic handle
- For damage free Stripping
- Durable clamping jaw for the adherence of the wire
- Self closing due to the spring mechanics



	Ø mm	AWG	D mm	L1 mm	L2 mm	g	
115.1028	0,5-2,0	2,0-0,5	20.0	170.0	35.0	280	
115.1029	1,0-3,2	3,2-1,0	20.0	170.0	35.0	280	

Self regulating wire stripper

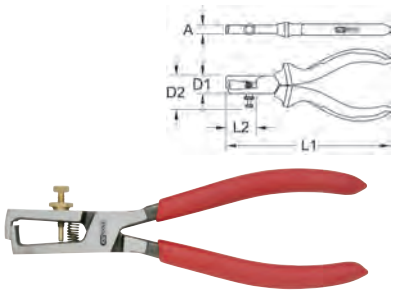
- Easily interchangeable knife modules
- Cutting function
- Light weight
- Exact adjustment possible for safe stripping
- For damage free stripping
- Length stop for 0,02 - 10,0 mm
- Smooth running mechanics



	ø mm²	AWG	D mm	L1 mm	L2 mm	Replacement blades	g	
115.1244	0,1-4	28-12	48.0	190.0	73.0	115.1247	130	
115.1245	0,02-10	34-8	48.0	190.0	73.0	115.1246	130	
115.1249	4-16	12-6	48.0	190.0	73.0	115.1248	130	

Wire stripper

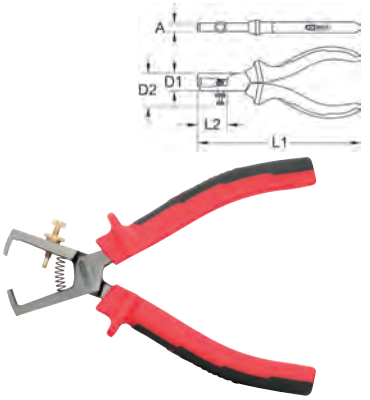
- In accordance to DIN / ISO 5232
- Locking jaw opening
- Adjusting screw and spring
- PVC dipped handle
- For wires from 0,5 - 4.0 mm²
- Matt chrome
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g	
115.1314	9.0	20.5	33.0	176.0	39.0	170	

ERGOTORQUE® wire stripper

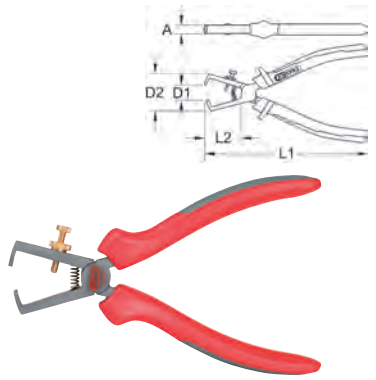
- In accordance to DIN / ISO 5232
- Locking jaw opening
- Adjusting screw and spring
- Two component handle
- For wires from 0,5 - 4.0 mm²
- Matt Chrome
- Special tool steel



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g	
115.1014	9.0	20.5	33.0	179.0	39.0	220	

ULTIMATE*plus* wire strippers

- In accordance to DIN / ISO 5232
- With locking jaw opening
- With adjusting screw and spring
- With two component handle
- For wires from 0,5 - 4,0 mm²
- Titanium coated surface
- Special tool steel

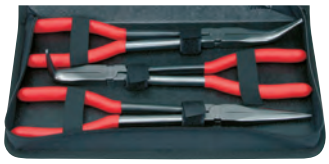


	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g	
119.2014	9.0	20.5	33.0	180.0	40.0	220	

UNIVERSAL PLIER SETS

Plier set, extra long

- Serrated execution
- With PVC dipped handle
- Extra long execution
- Matt chrome
- Special tool steel



			kg	
500.7050	3 pcs	Plier set, extra long	1.20	
1 x		270 mm		
1 x		270 mm		
1 x		270 mm		

Double jointed plier set, extra long

- Serrated execution
- With double joint
- Extremely narrow design
- With PVC dipped handle
- For difficult to access areas
- Matt chrome
- Special tool steel

			kg	
500.7060	3 pcs	Double jointed plier set, extra long	1.40	
1 x		300 mm		
1 x		340 mm		
1 x		335 mm		

Plier set

- Long cutting edge
- Suitable for various types of wire
- Induction-hardened precision cutting
- With PVC dipped handle
- Matt chrome
- Special tool steel

			kg
115.1310	3 pcs	Plier set	0.90
1 x		165 mm	
1 x		180 mm	
1 x		205 mm	

Plier set

- Long cutting edge
- Suitable for various types of wire
- Induction-hardened precision cutting
- With PVC dipped handle
- Matt chrome
- Special tool steel

			kg
115.1304	4 pcs	Plier set	1.70
1 x		165 mm	
1 x		180 mm	
1 x		200 mm	
1 x		256 mm	

ERGOTORQUE® plier set

- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Matt chrome
- Special tool steel

			kg
115.1010	3 pcs	ERGOTORQUE® plier set	0.90
1 x		160 mm	
1 x		180 mm	
1 x		200 mm	

ERGOTORQUE® plier set

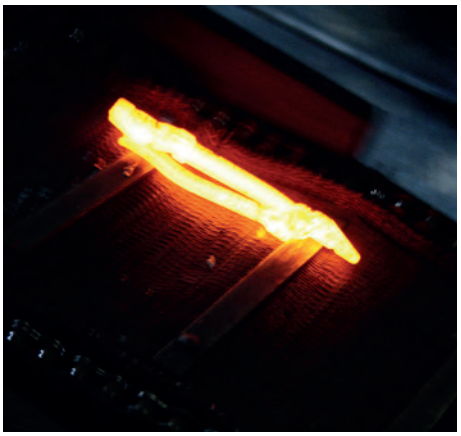
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Matt chrome
- Special tool steel

			kg
115.1004	4 pcs	ERGOTORQUE® plier set	1.44
1 x		160 mm	
1 x		180 mm	
1 x		200 mm	
1 x		240 mm	

ULTIMATE*plus* plier set

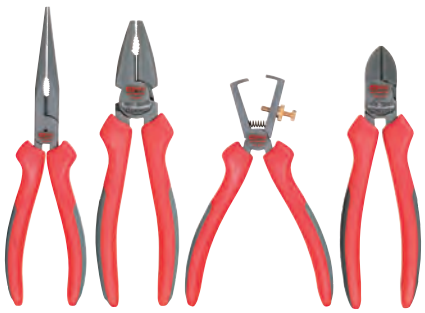
- In accordance to DIN ISO 5748
- Suitable for various types of wire
- Induction-hardened precision cutting
- With two component handle
- Titanium coated surface
- Special tool steel

			kg
119.2010	3 pcs	ULTIMATE*plus* plier set	1.00
1 x		160 mm	
1 x		180 mm	
1 x		200 mm	



ULTIMATE*plus* plier set

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

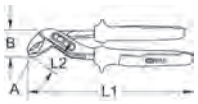


			kg
119.2004	4 pcs	ULTIMATE*plus* plier set	1.00
1 x		160 mm	
1 x		180 mm	
1 x		180 mm	
1 x		165 mm	

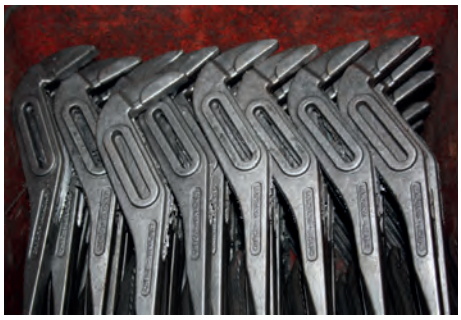
WATER PUMP PLIERS

Water pump pliers

- In accordance to DIN 8976
- Toothed gripping surfaces
- Optimum power transfer
- Industrial and ground heads
- Red powder coating
- Chrome vanadium

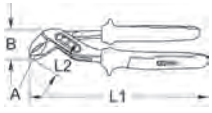


	A mm	B mm	L1 mm	L2 mm	g
115.1000	35.0	30.0	175.0	30.0	160
115.2000	45.0	35.0	240.0	36.0	310
115.3000	55.0	40.0	300.0	42.0	620



Water pump pliers

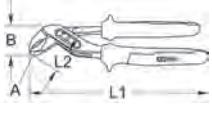
- In accordance to DIN 8976
- With PVC dipped handle
- Toothed gripping surfaces
- Optimum power transfer
- Industrial and ground heads
- Chrome vanadium



	A mm	B mm	L1 mm	L2 mm	g
115.2001	36.0	46.0	240.0	34.0	330

Water pump pliers, black

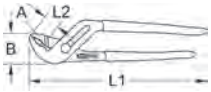
- In accordance to DIN 8976
- With PVC dipped handle
- Toothed gripping surfaces
- Optimum power transfer
- With grooved handle adjustment
- Chrome vanadium



	A mm	B mm	L1 mm	L2 mm	g
115.7000	45.0	55.0	250.0	40.0	340

Professional water pump pliers

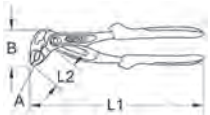
- Toothed gripping surfaces
- Optimum power transfer
- With grooved handle adjustment
- Progressive teeth
- With PVC dipped handle
- Chrome vanadium



	Industrial	A mm	B mm	L1 mm	L2 mm	g
115.1350	7	46.0	45.0	265.0	50.0	380
115.1351	7	66.0	60.0	330.0	60.0	920
115.1352	11	77.0	74.0	420.0	74.0	1150

ULTIMATE*plus* waterpump plier

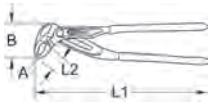
- In accordance to DIN 8976
- With two component handle
- 10 stage adjustment
- Optimum power transfer
- Toothed gripping surfaces
- Industrial and ground heads
- Titanium coated surface
- Chrome vanadium



	A mm	B mm	L1 mm	L2 mm	g
119.2027	50.0	55.0	260.0	38.0	380

Water pump pliers

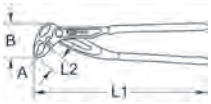
- With accurate industrial adjustment
- With safety clamping protection
- Optimum power transfer
- Asymmetric grip profile with offset teeth
- Ground heads
- With PVC dipped handle
- Chrome vanadium



	A mm	B mm	L1 mm	L2 mm	g
115.2011	35.0	38.0	185.0	20.0	160
115.2010	45.0	47.0	240.0	25.0	300
115.2012	55.0	53.0	310.0	30.0	560

Water pump pliers

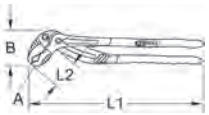
- With accurate industrial adjustment
- With safety clamping protection
- Optimum power transfer
- Double sided gripping jaws
- Ground heads
- With PVC dipped handle
- Chrome vanadium



	A mm	B mm	L1 mm	L2 mm	g
115.8502	36.0	44.0	175.0	26.5	185
115.8000	51.0	54.0	250.0	33.5	340
115.8500	61.5	65.0	300.0	41.5	510

Water pump plier Quattro Gripp

- Maximum jaw opening approx. 40% above DIN ISO
- Push-button with 4 tooth technique
- With accurate industrial adjustment
- With safety clamping protection
- Optimum power transfer
- Substaintial precision through joint
- Ground heads
- Handle dip insulated
- Chrome vanadium



	A mm	B mm	L1 mm	L2 mm	g
115.8520	50.0	50.0	260.0	40.0	370
115.8525	70.0	60.0	320.0	50.0	630
115.8530	100.0	90.0	400.0	65.0	1250

WATER PUMP PLIER SETS

Water pump plier set

- In accordance to DIN 8976
- Toothed gripping surfaces
- Optimum power transfer
- 7 stage adjustment
- Industrial and ground heads
- Red powder coating
- Chrome vanadium

			kg
115.0000	3 pcs	175 - 240 - 300 mm	1.20

Water pump plier set

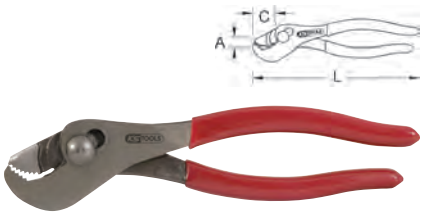
- With accurate industrial adjustment
- With safety clamping protection
- Optimum power transfer
- Double sided gripping jaws
- Ground heads
- With PVC dipped handle
- Chrome vanadium

115.8501	2 pcs	250 - 300 mm	960

PIPE WRENCHES

Special pipe wrench

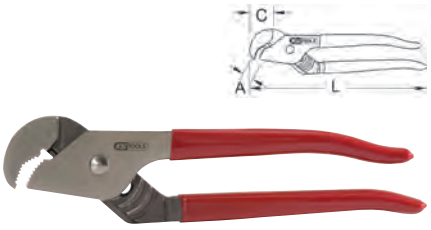
- 2-stage adjustment
- PVC dipped handle
- Ideal for round turned pipe fittings
- Polished surface
- Chrome vanadium



	A mm	L mm	C mm	
115.1361	0-16	178.0	23.0	180

Special pipe wrench

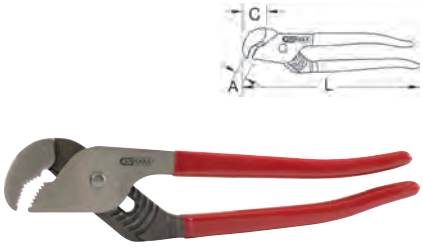
- 4 stage industrial adjustment
- PVC dipped handle
- Optimum power transfer
- Grooved handle adjustment
- Polished surface
- Ideally suited for twisting both thrust and track rods
- Usably on axle joints and exhaust pipes
- Chrome vanadium



	A mm	L mm	
115.1362	0-30	242.0	470

Special pipe wrench

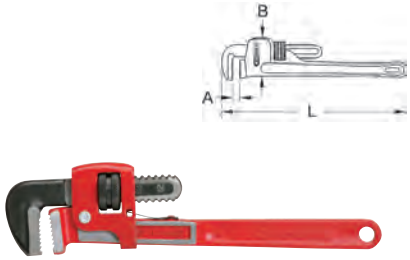
- 6 stage industrial adjustment
- PVC dipped handle
- Optimum power transfer
- Grooved handle adjustment
- Polished surface
- Ideally suited for twisting both thrust and track rods
- Usably on axle joints and exhaust pipes
- Chrome vanadium



	A mm	L mm	C mm	
115.1363	0-51	345.0	41.0	1.10

One handed pipe pliers

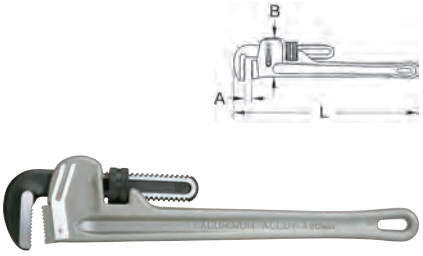
- Type "Stillson"
- Heavy execution
- Ground heads
- Infinitely variable
- Drop forged



	A	B mm	L mm	
114.0008	3/4"	50.0	200.0	0.25
114.0010	1"	64.0	250.0	0.60
114.0012	1.1/4"	68.0	300.0	0.70
114.0014	1.1/2"	82.0	350.0	1.10
114.0018	2"	93.0	450.0	1.75
114.0024	2.1/2"	111.0	600.0	3.50
114.0036	3.1/2"	134.0	900.0	6.25

One handed pipe pliers

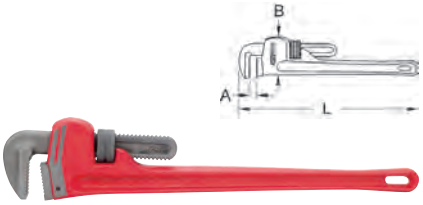
- Type "Stillson"
- Aluminium cast body
- Ground heads
- Infinitely variable
- Aluminium drop forged



	A	B mm	L mm	
111.3100	2"	75.0	350.0	0.88
111.3200	2.1/2"	90.0	450.0	1.46
111.3300	3.1/2"	100.0	600.0	2.44

One handed steel pipe plier

- Type "Stillson"
- Ground heads
- Infinitely variable
- Die forged head
- Handle of steel



	A	B mm	L mm	
111.3500	3/4"	50.0	200.0	0.37
111.3505	1"	60.0	250.0	0.65
111.3510	1.1/4"	65.0	300.0	0.87
111.3515	1.1/2"	70.0	350.0	1.27
111.3520	2"	85.0	450.0	1.85
111.3525	2.1/2"	95.0	600.0	3.00
111.3530	3.1/2"	125.0	900.0	5.10
111.3535	5"	150.0	1200.0	9.10

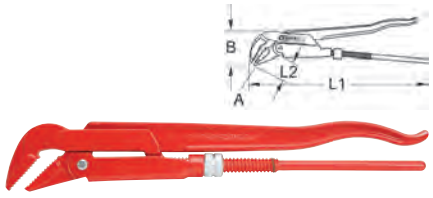
Pipe wrench with adjustable head

- Type "Stillson"
- Aluminium cast body
- Upper jaw HRC 54-57
- Lower jaw HRC 52-55
- Stepless adjustment via milled nut
- 160° revolving handle
- Aluminium handle

	A	B mm	L mm	g
111.3550	1.1/2	97.0	250.0	650

Offset pipe pliers, 45° angled

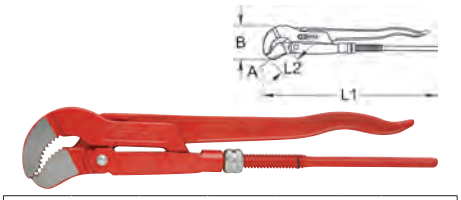
- In accordance to DIN 5234
- Swedish form
- Jaw 45° offset
- Infinitely variable
- Gear, contrary to the direction of rotation
- Red powder coating
- Chrome vanadium



	A	B mm	L1 mm	L2 mm	kg
112.1000	1"	65.0	320.0	65.0	0.75
112.1500	1.1/2"	70.0	430.0	75.0	1.38
112.2000	2"	75.0	580.0	85.0	2.75

S Jaw angled pipe plier, offset

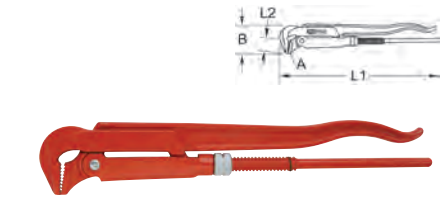
- In accordance to DIN 5234
- Jaw 45° offset
- Ground heads
- Infinitely variable
- Gear, contrary to the direction of rotation
- Red powder coating
- Drop forged
- Chrome vanadium



	A	B mm	L1 mm	L2 mm	kg
113.0500	1/2"	48.0	245.0	45.0	0.48
113.1000	1"	95.0	320.0	60.0	0.82
113.1500	1.1/2"	73.0	420.0	73.0	1.40
113.2000	2"	87.0	550.0	87.0	2.57
113.3000	3"	112.0	630.0	112.0	4.30

Offset pipe pliers, 90° angled

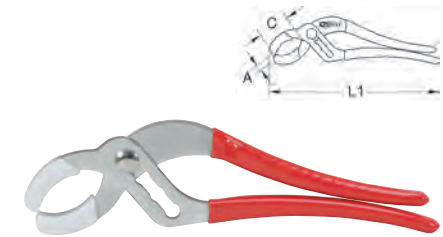
- In accordance to DIN 5234
- Swedish form
- Jaw 90° offset
- Infinitely variable
- Gear, contrary to the direction of rotation
- Red powder coating
- Chrome vanadium



	A	B mm	L1 mm	L2 mm	kg
111.1000	1"	35.0	320.0	15.0	0.79
111.1500	1.1/2"	31.0	430.0	41.0	1.40
111.2000	2"	51.0	580.0	58.0	2.69
111.3000	3"	60.0	670.0	62.0	3.45

Siphon pliers

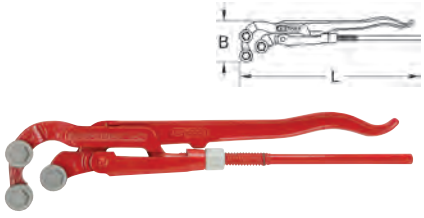
- With 4 adjustable steps
- Insulated foot for chrome fittings
- For screw fittings up to max. Ø 65 mm
- With PVC dipped handle
- For loosening pipe fittings
- Interchangeable jaw protector
- For hard to reach places
- Chrome plated and mirror polished
- Chrome vanadium



	A mm	C mm	L mm	Replacement jaws	g	
116.1200	20,0 - 65,0	45.0	225.0	116.1201	320	

Thread roughing pliers

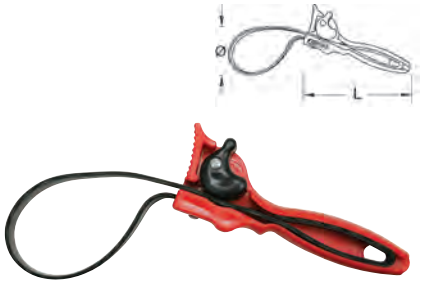
- For roughening of the thread after thread cutting
- Uniform roughening over the entire circumference
- Special tool steel



	Ø mm	Ø	B mm	L mm	kg	
995.6500	12,7 - 50,8	1/2" - 2"	100.0	335.0	1.77	

Strap pipe pliers

- For hard to reach places
- Especially suited for plastic pipes
- Glass fibre reinforced handle
- Belt made of reinforced, non slip rubber



	Ø mm	L mm	g
114.0150	110,0	190.0	180

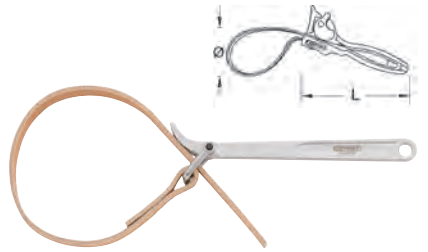
Strap pipe pliers

- With metal grip
- For hard to reach places
- Especially suited for plastic pipes
- Belt made of reinforced, non-slip rubber
- Chrome vanadium

	Ø mm	L mm	kg
114.0160	160,0	250.0	1.00

Strap wrench

- With metal handle
- For hard to reach places
- Especially suited for plastic pipes
- Belt made of reinforced, non-slip webbing
- Chrome plated
- Chrome vanadium



	mm	Ø mm	Ø	L mm	Replacement band	g	
114.0170	20.0	140,0	9/64"	220.0	114.0170-1	278	
114.0171	25.0	200,0	13/64"	280.0	114.0171-1	600	

Chain pipe wrench

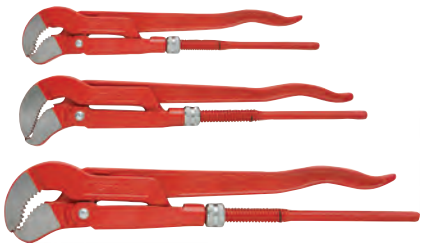
- Function is similar to a ratchet
- For hard to reach places
- Hardened teeth
- Drop-forged
- Chrome vanadium

	Ø mm	L mm	kg
114.0040	110,0	390.0	1.36

PIPE WRENCH SETS

Angled pipe plier set

- With PVC dipped handle
- Toothed gripping surfaces
- Optimum power transfer
- With grooved handle adjustment
- Progressive teeth
- Chrome vanadium

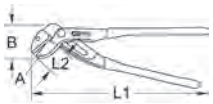


			kg
113.2100	3 pcs	1" - 1.1/2" - 2"	4.79

FITTERS PLIERS

Fitters pliers

- With accurate industrial adjustment
- With safety clamping protection
- With setting scale
- Smooth, polished head area
- Optimum power transfer
- Ground heads
- With PVC dipped handle
- Chrome vanadium



	A mm	B mm	L1 mm	L2 mm	g
115.8510	53.0	50.0	250.0	60.0	350

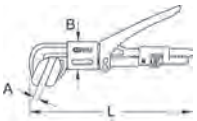
Fitters pliers, angled

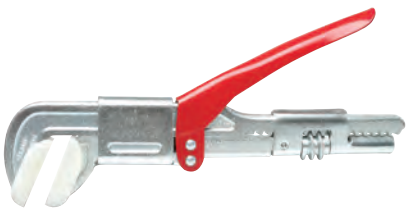
- 90° Jaw position
- Interchangeable jaw protector
- For pipe up to max. Ø 35 mm
- For mild assembly
- Infinitely variable
- Red powder coating
- Chrome vanadium

	A	A mm	B mm	L1 mm	L2 mm	Replacement jaws	g
116.1000	1"	25.4	81.0	315.0	54.0	116.1001	790

Fitters wrench

- Interchangeable jaw protector
- For screw fittings up to max. Ø 60 mm
- Smooth, parallel adjustment jaws
- For mild assembly
- Infinitely variable
- Matt chrome
- Chrome vanadium



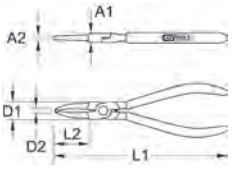


	A mm	B mm	L mm	Replacement jaws	g
116.1002	60.0	47.0	265.0	116.1003	550

CIRCLIP PLIERS FOR INTERNAL CIRCLIPS

Circlip pliers for internal circlips

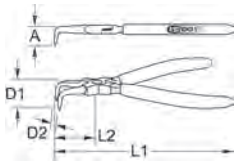
- In accordance to DIN 5254
- Durable, rolled precision tips
- Self opening
- With PVC dipped handle
- Chrome vanadium



	mm	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.1034	12,0 - 25,0	8.0	2.0	17.0	2.0	130.0	29.0	120
500.1035	19,0 - 60,0	10.0	2.0	18.0	2.0	160.0	40.0	150
500.1036	40,0 - 100,0	11.0	2.0	22.0	2.0	230.0	44.0	200

Circlip pliers for internal circlips, angled

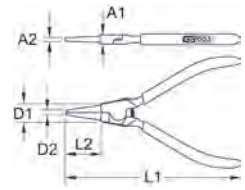
- In accordance to DIN 5256
- Durable, rolled precision tips
- 90° angled tips
- Self opening
- With PVC dipped handle
- Chrome vanadium



	mm	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.1031	12,0 - 25,0	11.0	15.0	2.0	130.0	21.0	120
500.1032	19,0 - 60,0	19.0	17.0	2.0	160.0	23.0	150
500.1033	40,0 - 100,0	25.0	23.0	2.0	230.0	30.0	200

Circlip pliers for internal circlips

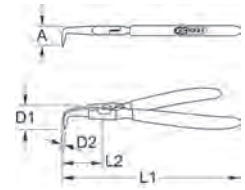
- In accordance to DIN 5254
- Slip inhibiting machined precision tips
- Durable, straight version
- With rubber grip
- Power version
- Die forged
- Chrome vanadium



	mm	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
119.2053	12,0 - 25,0	7.5	1.2	15.0	2.7	135,0	30.0	80
119.2058	19,0 - 60,0	9.5	1.6	18.0	5.0	180,0	40.0	150
119.2063	40,0 - 100,0	10.0	2.0	20.0	6.0	230,0	50.0	250

Circlip pliers for internal circlips, angled

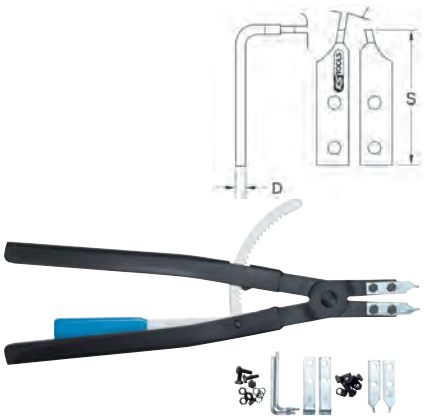
- In accordance to DIN 5256
- Slip inhibiting machined precision tips
- 90° angled tips
- With rubber grip
- Power version
- Die forged
- Chrome vanadium



	mm	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
119.2054	12,0 - 25,0	16.5	14.5	2.5	125,0	20.0	80
119.2059	19,0 - 60,0	21.0	18.0	3.0	165,0	25.0	150
119.2064	40,0 - 100,0	25.0	20.0	5.0	210,0	35.0	250

Circlip pliers for internal circlips with 0° + 90° tips

- For internal circlips
- Interchangeable tips
- For circlips according to DIN 472 / DIN 984
- Black powder coating
- Chrome vanadium

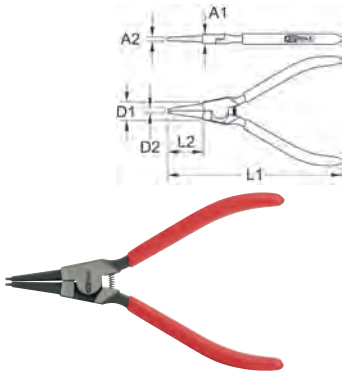


	D mm	L mm	mm	g
500.1340	3,5	540.0	122,0 - 300,0	2010

CIRCLIP PLIERS FOR EXTERNAL CIRCLIPS

Circlip pliers for external circlips

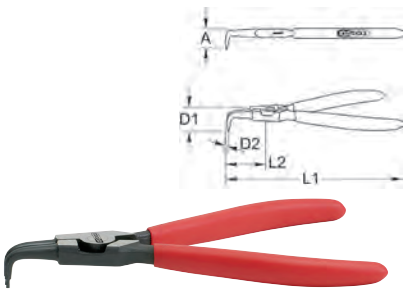
- In accordance to DIN 5254
- Durable, straight precision tips
- Self opening
- With PVC dipped handle
- Chrome vanadium



	mm	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.1028	10,0 - 25,0	8.0	1.0	18.0	1.0	130.0	28.0	120
500.1029	19,0 - 60,0	10.0	2.0	30.0	6.0	160.0	38.0	150
500.1030	40,0 - 100,0	11.0	3.0	33.0	6.0	230.0	44.0	200

Circlip pliers for external circlips, angled

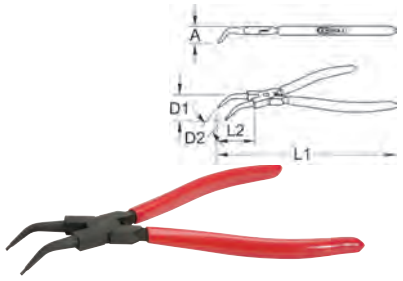
- In accordance to DIN 5254
- Durable precision tips
- 90° angled tips
- Self opening
- With PVC dipped handle
- Chrome vanadium



	mm	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.1025	10,0 - 25,0	13.0	12.0	2.0	130.0	18.0	120
500.1026	19,0 - 60,0	19.0	17.0	2.0	160.0	23.0	150
500.1027	40,0 - 100,0	24.0	21.0	2.0	230.0	27.0	200

Wheel bearing circlip pliers, angled

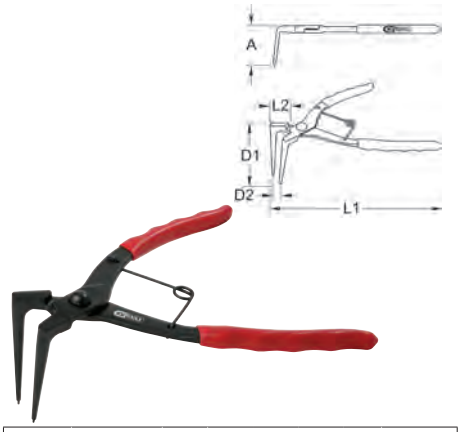
- In accordance to DIN 5256
- Slip inhibiting machined precision tips
- 45° angled version
- Self closing
- With rubber grip
- Power version
- Die forged
- Chrome vanadium



	mm	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.1038	19,0 - 60,0	22.0	23.0	2.3	240.0	32.0	250
500.1039	19,0 - 60,0	22.0	23.0	3.0	300.0	46.0	490

Long arm circlip pliers for external circlips, angled

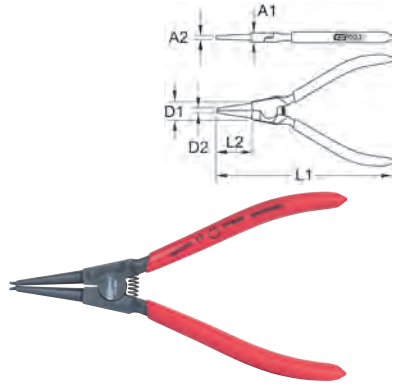
- Durable, extra long precision points
- 90° angled tips
- Self opening
- PVC dipped handle
- Ideal for brake caliper and transmission work
- Chrome vanadium



	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.1037	63.0	18.0	4.0	185.0	18.0	190

Circlip pliers for external circlips

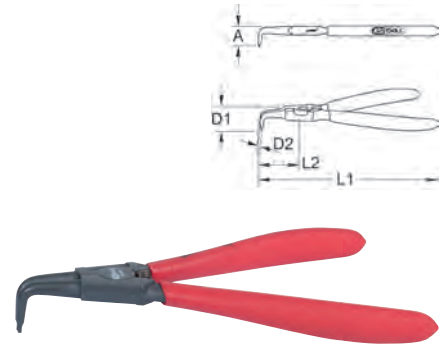
- In accordance to DIN 5254
- Slip inhibiting machined precision tips
- Durable, straight design
- Self closing
- With rubber grip
- Power version
- Die forged
- Chrome vanadium



	mm	A1 mm	A2 mm	D1 mm	D2 mm	L1 mm	L2 mm	g
119.2051	10,0 - 25,0	8.0	1.0	13.5	3.5	135,0	30.0	80
119.2056	19,0 - 60,0	9.0	1.5	15.0	4.5	175,0	40.0	150
119.2061	40,0 - 100,0	10.0	2.5	20.0	6.0	230,0	50.0	250

Circlip pliers for external circlips, angled

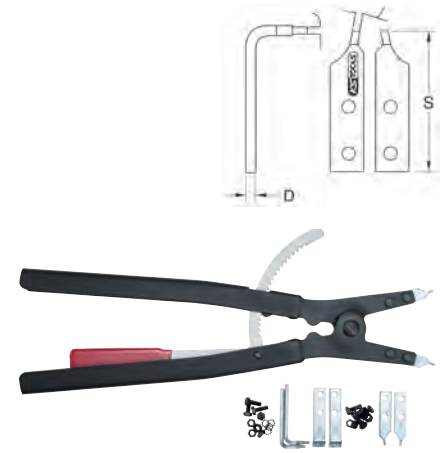
- In accordance to DIN 5256
- Slip inhibiting machined precision tips
- 90° angled version
- Self closing
- With rubber grip
- Power version
- Die forged
- Chrome vanadium



	mm	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
119.2052	10,0 - 25,0	20.0	15.0	3.0	125,0	20.0	80
119.2057	19,0 - 60,0	25.0	20.0	4.5	165,0	32.0	150
119.2062	40,0 - 100,0	30.0	25.0	6.0	210,0	40.0	250

Circlip pliers for external circlips with 0° + 90° tips

- For external security rings
- Interchangeable tips
- For circlips according to DIN 472 / DIN 984
- Black powder coating
- Chrome vanadium



	D mm	L mm	mm	g
500.1345	3,5	540.0	122,0 - 300,0	2020

CIRCLIP PLIER SETS FOR CIRCLIPS

Circlip pliers set with ratchet function

- For inside and outside circlips
- With rubber grip
- Interchangeable tips
- 6 types of pliers by reversing the tips
- Includes disassembly and assembly heads
- Chrome vanadium

Internal circlips: 78,0 mm - 159,0 mm
External circlips: 89,0 mm - 159,0 mm

			kg
500.1300	14 pcs	Circlip pliers set with ratchet function	1.80

Universal circlip pliers set

- For inside and outside circlips
- Simply plier reconfigaration
- With rubber grip
- Interchangeable tips
- 16 types of pliers by reversing the tips
- Includes disassembly and assembly heads
- Chrome vanadium

			kg
500.1320	10 pcs	Universal circlip pliers set	1.80
4 x		1,0 - 1,2 - 1,8 - 2,3 mm	
4 x		1,0 - 1,2 - 1,8 - 2,3 mm	
1 x		120 mm	
1 x		120 mm	

Circlip pliers set with ratchet function

- For inside and outside circlips
- With rubber grip
- Interchangeable tips
- 8 types of pliers by reversing the tips
- Includes disassembly and assembly heads
- Chrome vanadium

Internal circlips: 60,0 mm - 100,0 mm
External circlips: 40,0 mm - 85,0 mm

			kg
500.1350	20 pcs	Circlip pliers set with ratchet function	1.80

Circlip pliers set

- For inside and outside circlips
- With rubber grip
- 90° angled tips
- Durable, straight precision tips
- All outside circlips with opening spring
- Power version
- Chrome vanadium

			g
119.2050	4 pcs	Circlip pliers set	455

consists of:

		g
119.2051	Circlip pliers for external circlips, 10-25 mm	80
119.2052	Circlip pliers for external circlips, angled, 12-25 mm	80
119.2053	Circlip pliers for internal circlips, 12-25 mm	80
119.2054	Circlip pliers for internal circlips, angled, 12-25 mm	80

Circlip pliers set

- For inside and outside circlips
- With rubber grip
- 90° angled tips
- Durable, straight precision tips
- All outside circlips with opening spring
- Power version
- Chrome vanadium

			g
119.2055	4 pcs	Circlip pliers set	735

consists of:

		g
119.2056	Circlip pliers for external circlips, 19-60 mm	150
119.2057	Circlip pliers for external circlips, angled, 19-60 mm	150
119.2058	Circlip pliers for internal circlips, 19-60 mm	150
119.2059	Circlip pliers for internal circlips, angled, 19-60 mm	150

Circlip pliers set

- For inside and outside circlips
- With rubber grip
- 90° angled tips
- Durable, straight precision tips
- All outside circlips with opening spring
- Power version
- Chrome vanadium

			g
119.2060	4 pcs	Circlip pliers set	1000

consists of:

		g
119.2061	Circlip pliers for external circlips, 40-10 mm	250
119.2062	Circlip pliers for external circlips, angled, 40-10 mm	250
119.2063	Circlip pliers for internal circlips, 40-10 mm	250
119.2064	Circlip pliers for internal circlips, angled, 40-10 mm	250

LOCKING PLIERS

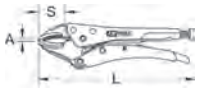
Locking pliers holder

- Alternative for a vice
- For light work
- For screwing onto workbenches, worktables etc.

	L mm	B mm	T mm	
115.2072	91.0	84.0	24.3	207

Locking pliers

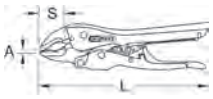
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With loosening lever
- With easy locking action
- For round and flat material
- To hold when welding
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome vanadium



	A mm	L mm	S mm	
115.1031	0-50	125.0	19,3	180
115.1032	0-55	175.0	24,0	340
115.1033	0-60	250.0	27,5	520

Power locking pliers

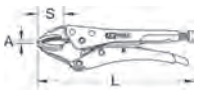
- Forged gripping jaws
- Prevents slipping even at high forces
- Well thought through jaw teeth
- Size adjustment using the adjustment wheel
- With loosening lever
- With easy locking action
- For round and flat material
- To hold when welding
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome vanadium



	A mm	L mm	S mm	
115.1196	0-40	175.0	30,0	360
115.1197	0-50	250.0	37,0	540

Locking pliers with quick-release lever

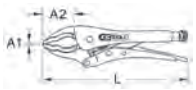
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With easy locking action
- For round and flat material
- To hold when welding
- With quick-release lever
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum
- With dual component handle



	A mm	L mm	S mm	
115.2031	0-30	125.0	21,0	195
115.2032	0-40	175.0	27,0	390
115.2033	0-55	250.0	30,0	560

Wide jaw locking pliers

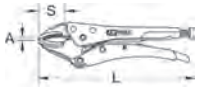
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With loosening lever
- With easy locking action
- For round and flat material
- To hold when welding
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	L mm	S mm	
115.1506	0-64	250.0	50,0	600

Wide jaw locking pliers with quick-release lever

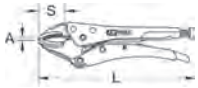
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With easy locking action
- For round and flat material
- To hold when welding
- With quick-release lever
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum
- With dual component handle



	A mm	L mm	S mm	
115.2006	0-65	250.0	51,0	620

Locking pliers, straight jaws

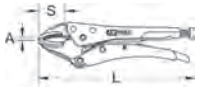
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With loosening lever
- With easy locking action
- For round and flat material
- To hold when welding
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	L mm	S mm	
115.1501	0-28,5	175.0	27,0	370
115.1502	0-45,5	250.0	30,0	558

Locking pliers with quick-release lever, straight jaws

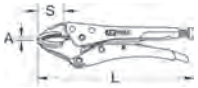
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With easy locking action
- For round and flat material
- To hold when welding
- With quick-release lever
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum
- With dual component handle



	A mm	L mm	S mm	
115.3011	0-40	175.0	25,0	420
115.3012	0-50	250.0	30,0	590

Locking pliers, V jaws

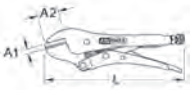
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With loosening lever
- With easy locking action
- For round and flat material
- To hold when welding
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	L mm	S mm	g
115.1151	0-25	185.0	24,0	288
115.1152	0-32	225.0	27,5	526

Clamping pliers for pipes

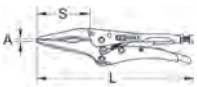
- Forged gripping jaws
- Size adjustment using the adjustment wheel
- With loosening lever
- With easy locking action
- With hexagonal nut for safe fastening
- For clamping pipes
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	L mm	S mm	g
115.1504	0-30,5	175.0	29,5	360

Clamping pliers for pipes

- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With loosening lever
- With easy locking action
- For clamping pipes
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	L mm	S mm	g
115.1505	0-86	280.0	118,0	426

Round jaw locking pliers with wire cutter

- For safe gripping of nuts and screw heads
- 3 level points prevents slipping and rounding
- With loosening lever
- With easy locking action
- Size adjustment using the adjustment wheel
- Good adaptation to existing surfaces
- With wire cutting function
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum

	mm	L mm	g
115.1175	11-19	175.0	370
115.1176	16-27	220.0	600

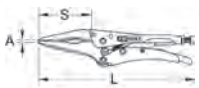
Chain grip plier

- For fastening and clamping of different profiles
- With loosening lever
- With easy locking action
- Size adjustment using the adjustment wheel
- Ideal for confined spaces
- Good adaptation to existing surfaces
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum

	Ø mm	L mm	Replacement chain	kg
115.1171	150,0	220.0	115.1172	0.76

Long nose locking pliers

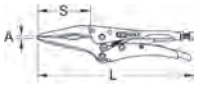
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With loosening lever
- With easy locking action
- For round and flat material
- To hold when welding
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	L mm	S mm	g
115.1177	0-25	125.0	35	110
115.1034	0-35	150.0	45,0	180
115.1035	0-45	225.0	65,0	340

Long-nose locking pliers with quick-release lever

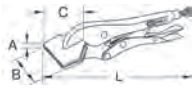
- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- With easy locking action
- For round and flat material
- To hold when welding
- With quick-release lever
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum
- With dual component handle



	A mm	L mm	S mm	g
115.2034	0-45	225.0	45,0	210
115.2035	0-60	150.0	53,0	415

Wide and flat jaw locking pliers

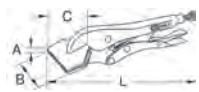
- Forged gripping jaws
- With loosening lever
- With easy locking action
- Size adjustment using the adjustment wheel
- For clamping of flat or bended metal sheets
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	B mm	C mm	L mm	g
115.1076	0-53	90.0	40.0	205.0	480
115.1077	0-57	100.0	45.0	245.0	650

Wide jaw flat die locking pliers with quick-release lever

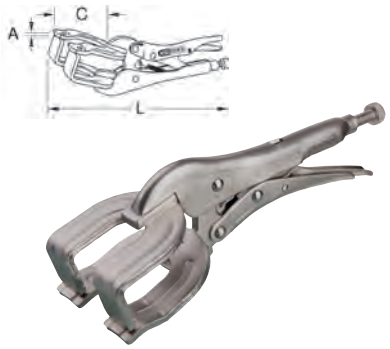
- Forged gripping jaws
- With easy locking action
- Size adjustment using the adjustment wheel
- For clamping of flat or bended metal sheets
- With quick-release lever
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum
- With dual component handle



	A mm	C mm	L mm	B mm	g
115.2076	0-40	45.0	205.0	80.0	530
115.2077	0-55	45.0	250.0	80.0	710

Welding gripping pliers

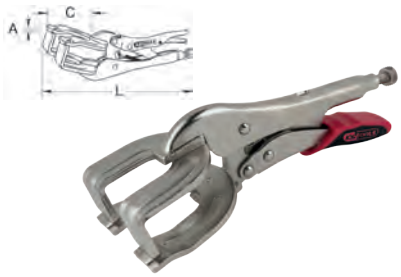
- With malleable cast iron jaws
- Suitable for setting the welding points between the cut outs
- With loosening lever
- Size adjustment using the adjustment wheel
- To hold and adjust sheets and profiles
- With easy locking action
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	C mm	L mm	g
115.1078	0-45	70.0	220.0	600
115.1079	0-55	70.0	280.0	780

Welding gripping pliers with quick-release lever

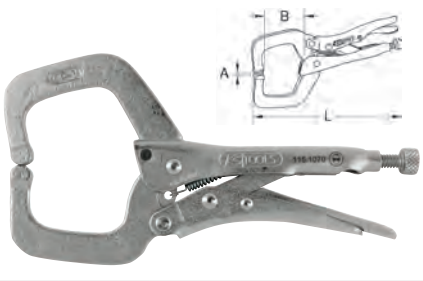
- With malleable cast iron jaws
- Suitable for setting the welding points between the cut outs
- Size adjustment using the adjustment wheel
- To hold and adjust sheets and profiles
- With easy locking action
- With quick-release lever
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome vanadium
- With dual component handle



	A mm	C mm	L mm	g
115.2078	0-45	70.0	270.0	710
115.2079	0-65	70.0	230.0	875

Welding gripping pliers

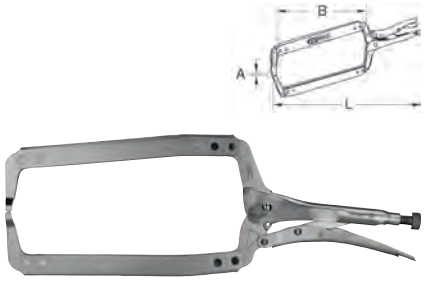
- Forged semi-circular gripping jaws
- With loosening lever
- With easy locking action
- Size adjustment using the adjustment wheel
- For profiled bulky components
- Good adaptation to existing surfaces
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	B mm	L mm	g
115.1070	0-35	40.0	170.0	240

Welding gripping pliers, extra long

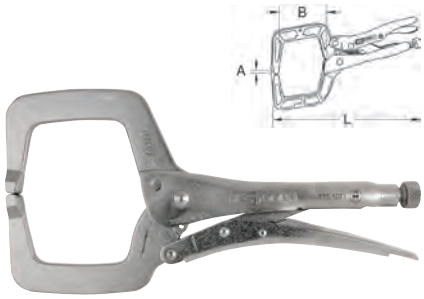
- Round forged gripping jaws
- Quick-release lever
- Easy locking action
- Size adjustment using the adjustment wheel
- For profiled bulky components
- Large clamping depth for front and rear panels
- Good adaptation to existing surfaces
- Nickel plated
- Chrome molybdenum



	A mm	B mm	L mm	kg
115.1072	0-27	250.0	450.0	1.18

Welding gripping pliers

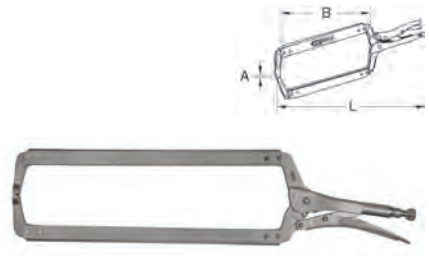
- Very good clamping capacity
- Round forged gripping jaws
- Quick-release lever
- Easy locking action
- Size adjustment using the adjustment wheel
- For profiled bulky components
- Good adaptation to existing surfaces
- Nickel plated
- Chrome molybdenum



	A mm	B mm	L mm	g
115.1071	0-100	90.0	285.0	780

Welding gripping pliers, extra long

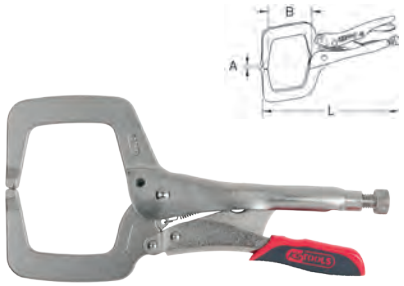
- Round forged gripping jaws
- With loosening lever
- With easy locking action
- Size adjustment using the adjustment wheel
- For profiled bulky components
- Large clamping depth for front and rear panels
- Good adaptation to existing surfaces
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum



	A mm	B mm	L mm	kg
115.0573	0-295	415.0	610.0	1.52

Welding clamp gripping pliers with quick-release lever

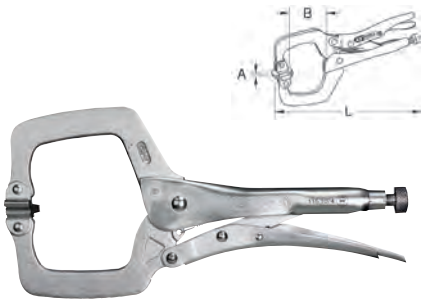
- Very good clamping capacity
- Round forged gripping jaws
- With quick-release lever
- With easy locking action
- Size adjustment using the adjustment wheel
- For profiled bulky components
- Good adaptation to existing surfaces
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome vanadium
- With dual component handle



	A mm	B mm	L mm	g
115.2008	0-45	45.0	275.0	265
115.2009	0-90	85.0	150.0	820

Welding gripping pliers with movable clamping jaws

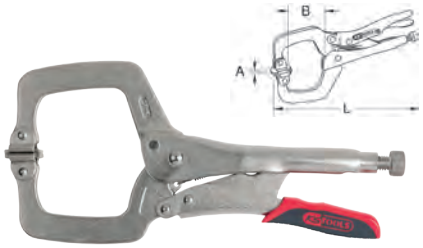
- Flat gripping jaws
- Movable clamping jaws
- Quick-release lever
- Easy locking action
- Size adjustment using the adjustment wheel
- For profiled bulky components
- Good adaptation to existing surfaces
- Nickel plated
- Chrome molybdenum



	A mm	B mm	L mm	kg
115.1178	0-25	25.0	125.0	0.15
115.1073	0-35	40.0	170.0	0.24
115.1074	0-100	70.0	285.0	0.78
115.1075	0-270	240.0	450.0	1.25
115.0570	0-420	395.0	610.0	1.54

Welding gripping pliers with movable clamping jaws

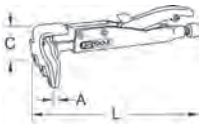
- Flat gripping jaws
- Movable clamping jaws
- With quick-release lever
- With easy locking action
- Size adjustment using the adjustment wheel
- For profiled bulky components
- Good adaptation to existing surfaces
- No flaring under the strongest loads
- Loosening under continuous pressure of a spring
- Nickel plated
- Chrome molybdenum
- With dual component handle



	A mm	B mm	L mm	kg	
115.2013	0-105	115.0	275.0	0.41	
115.2014	0-420	395.0	275.0	1.54	

Welding gripping pliers

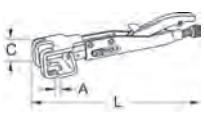
- For applications that need a straight jaw
- Jaws from special steel
- Easy locking action
- Quick-release lever
- Size adjustment using the adjustment wheel
- Ideal for spot welding
- Nickel plated handle
- Chrome molybdenum



	A mm	C mm	L mm	g	
115.1080	0-20	56.0	205.0	548	

Welding gripping pliers

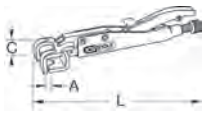
- For applications that required double curved jaws
- Jaws from special steel
- Easy locking action
- Quick-release lever
- Size adjustment using the adjustment wheel
- Ideal for fitting and mounting of body parts
- Nickel plated handle
- Chrome molybdenum



	A mm	C mm	L mm	g	
115.1081	0-20	39.0	230.0	568	

Welding gripping pliers

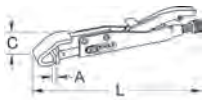
- For applications that required double curved jaws
- Jaws from special steel
- Easy locking action
- Quick-release lever
- Size adjustment using the adjustment wheel
- For welding of the hole between the panels
- Also suitable for U-profile
- Nickel plated handle
- Chrome molybdenum



	A mm	C mm	L mm	g	
115.1082	0-15	26.0	215.0	562	

Welding gripping pliers

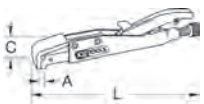
- For applications that need a angled jaw
- Jaws from special steel
- Easy locking action
- Quick-release lever
- Size adjustment using the adjustment wheel
- Ideal for welding in the fold
- Also suitable for U-profile
- Nickel plated handle
- Chrome molybdenum



	A mm	C mm	L mm	g	
115.1083	0-20	30.0	210.0	509	

Welding gripping pliers

- For applications that need a straight jaw
- Slim design
- Jaws from special steel
- Easy locking action
- Quick-release lever
- Size adjustment using the adjustment wheel
- For right-angled terminals in the fold
- For difficult to access areas
- Nickel plated handle
- Chrome molybdenum



	A mm	C mm	L mm	g	
115.1084	0-16	30.0	210.0	488	

Welding gripping pliers set

- For applications that need a straight jaw
- Extra slim design
- Jaws from special steel
- With easy locking action
- With quick release lever
- Size adjustment using the adjustment wheel
- For right angled terminals in the fold
- For difficult to access areas
- For welding of the hole between the panels
- Also suitable for U profile
- Ideal for spot welding
- Nickel plated handle
- Chrome molybdenum

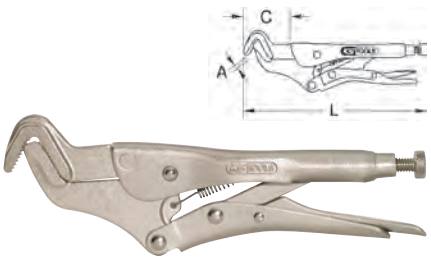
			kg	
115.1085	5 pcs	Welding gripping pliers set	2.60	

consists of:

		g	
115.1080	Welding gripping plier, 205mm	548	
115.1081	Welding gripping plier, 230mm	568	
115.1082	Welding gripping plier, 215mm	562	
115.1083	Welding gripping plier, 210mm	509	
115.1084	Welding gripping plier, 210mm	488	

Automotive welding gripping pliers

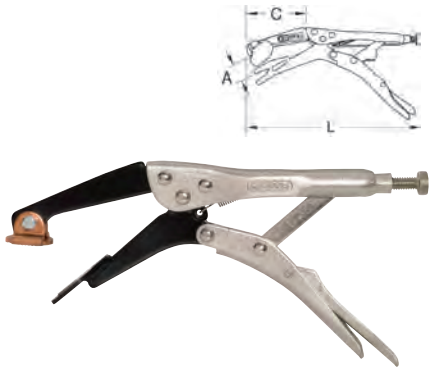
- Forged gripping jaws
- Serrated execution
- Quick-release lever
- Easy locking action
- For flanged material
- To hold when welding
- Nickel plated
- Chrome molybdenum



	A mm	C mm	L mm	g	
115.1068	0-40	60.0	200.0	400	

Welding gripping pliers

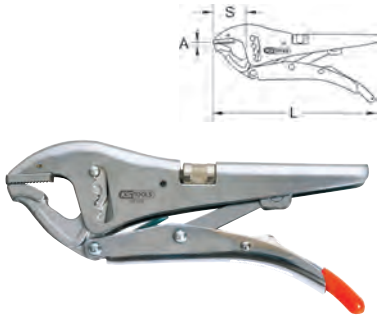
- Flat gripping jaws
- Movable clamping jaws
- Serrated execution
- No sticking to the electrode
- Quick-release lever
- Easy locking action
- Good adaptation to existing surfaces
- Copper alloy clamping jaws
- Nickel plated handle
- Chrome molybdenum



	A mm	C mm	L mm	g
115.1180	0-70	85.0	240.0	500

Locking pliers, serrated

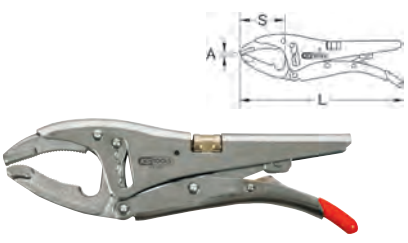
- Forged gripping jaws
- Serrated execution
- Quick release lever
- Size adjustment using the adjustment wheel
- For round and flat material
- To hold when welding
- Nickel plated
- Chrome vanadium



	A mm	L mm	S mm	g
115.1036	0-55	250.0	40,0	670

Locking pliers, serrated

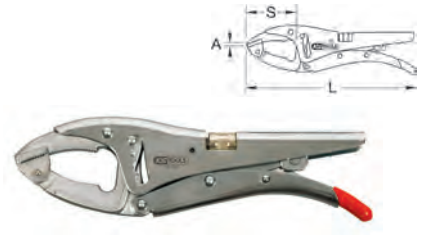
- Forged gripping jaws
- Serrated execution
- Quick release lever
- Size adjustment using the adjustment wheel
- For round and flat material
- To hold when welding
- Nickel plated
- Chrome vanadium



	A mm	L mm	S mm	g
115.1037	0-85	250.0	60,0	800

Locking pliers, serrated

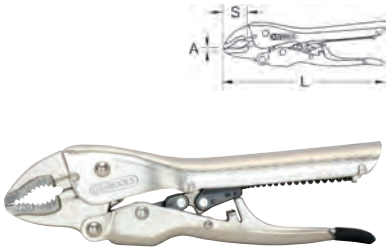
- Forged gripping jaws
- Movable clamping jaws
- Serrated execution
- Quick-release lever
- Size adjustment using the adjustment wheel
- For round and flat material
- To hold when welding
- Nickel plated
- Chrome vanadium



	A mm	L mm	S mm	g
115.1038	0-85	250.0	60,0	800

Automatic locking pliers

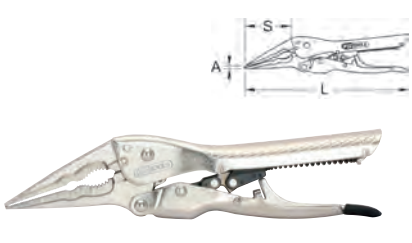
- Forged gripping jaws
- Automatic adjustment by cam mechanism
- Serrated execution
- Quick-release lever
- For round and flat material
- Heavy but controlled clamping
- To hold when welding
- Knurled handle
- Nickel plated
- Chrome vanadium



	A mm	L mm	S mm	g
115.1150	0-32	125.0	22,0	250
115.1155	0-47	250.0	29,0	620

Automatic long nosed locking pliers

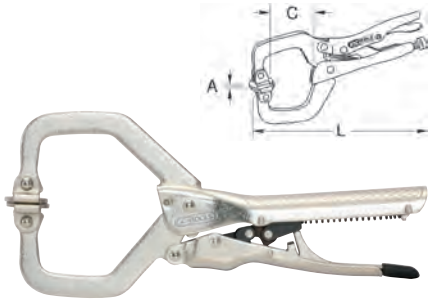
- Forged gripping jaws
- Automatic adjustment by cam mechanism
- Serrated execution
- Quick-release lever
- Heavy but controlled clamping
- For round and flat material
- To hold when welding
- Knurled handle
- Nickel plated
- Chrome molybdenum



	A mm	L mm	S mm	g
115.1160	0-51	175.0	55,0	260

Automatic gripping pliers

- Flat gripping jaws
- Movable clamping jaws
- Automatic adjustment by cam mechanism
- Quick-release lever
- Heavy but controlled clamping
- For round and flat material
- For profiled bulky components
- Good adaptation to existing surfaces
- Knurled handle
- Nickel plated
- Chrome molybdenum



	A mm	C mm	L mm	g
115.1165	0-68	55.0	175.0	330
115.1170	0-90	90.0	275.0	650

Special clamping gripping pliers

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

	Size mm	Ø mm	L mm	g
450.0350	1	8 / 9 / 10 / 11 / 12	260.0	775
450.0351	2	7 / 9 / 10 / 12 / 14	265.0	775
450.0352	3	15 / 16 / 18	255.0	636

RIVETING PLIERS

Plastic rivet plier set included rivets

- Suitable for plastic rivets
- Narrow head pliers
- Can be used in hard to access areas
- 90° angled rivet head
- With rubber grip
- Includes 40 plastic rivets
- Die-cast metal body

Plastic rivets: 5.0x15.8 - 5.0x17.2 - 6.3x25.2 - 6.6x17.2 mm

			g
150.9650	41 pcs	Plastic rivet plier set included rivets	760

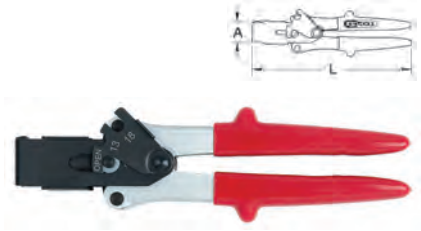
consists of:

		g
150.9651	Plastic rivet pliers	580
150.9652	Replacement rivets Pack of 10, 17,2x6,6mm	20
150.9653	Replacement rivets Pack of 10, 17,2x6,3mm	22
150.9654	Replacement rivets Pack of 10, 17,2x5mm	15
150.9655	Replacement rivets Pack of 10, 15,8x5mm	16

Anchor rivet pliers

- Suitable for anchor rivets
- With PVC dipped handle
- Die-cast metal body

Anchor rivets: 4 - 5 - 6 - 8 mm (5/32" - 3/16" - 15/64" - 5/16")

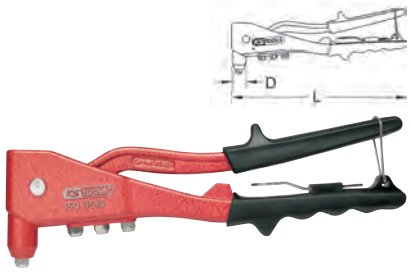


	A mm	L mm	g
150.9580	30.0	230.0	521

Standard hand riveting tool

- Suitable for blind rivets
- Including four interchangeable mouthpieces
- Magazine and key in the riveter body
- Narrow head pliers
- With safety lock on the handle end
- With rubber grip
- Die-cast metal body

Blind rivets: 2,4 - 3,2 - 4,0 - 4,8 mm



	D mm	L mm	g
150.9510	21.0	270.0	920

Standard hand riveting tool set

- Suitable for blind rivets
- Four interchangeable mouthpieces
- Magazine and key in the riveter body
- Includes 200 blind rivets
- With rubber grip
- Die-cast metal body

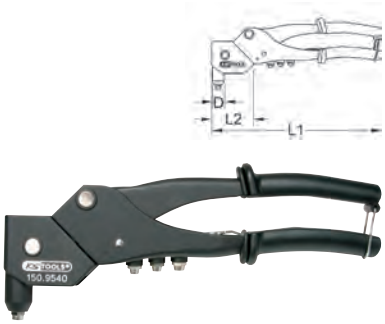
Blind rivets: 2,4 - 3,2 - 4,0 - 4,8 mm

			kg
150.9520	205 pcs	Standard hand riveting tool set	1.25

Hand rivet tool

- Suitable for blind rivets
- 360° rotating head
- For difficult to access areas
- Narrow head pliers
- With safety lock on the handle end
- Including four interchangeable mouthpieces
- Die-cast metal body

Blind rivets: 2,4 - 3,2 - 4,0 - 4,8 mm



	D mm	L1 mm	L2 mm	g
150.9540	21.0	290.0	70.0	870

Universal hand riveting tool set

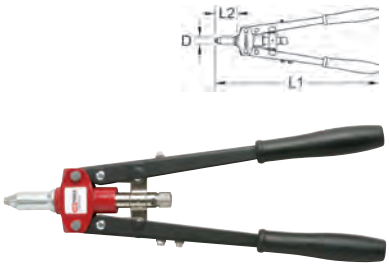
- Suitable for blind rivets and blind rivet nuts
- 360° rotating head
- For difficult to access areas
- Four interchangeable mouthpieces and nut rivet pulling inserts
- Die-cast metal body

Blind rivets: 2,4 - 3,2 - 4,0 - 4,8 mm
Rivet nuts: M3 - M4 - M5 - M6

			kg
150.9610	10 pcs	Universal hand riveting tool set	1.96

Long arm hand riveting tool

- Suitable for blind rivets
- Including four interchangeable mouthpieces
- Extra long lever arms
- High power transmission
- Magazine and key in the riveter body
- With rubber grip
- Die-cast metal bodyBlind rivets: 2,4 - 3,2 - 4,0 - 4,8 mm

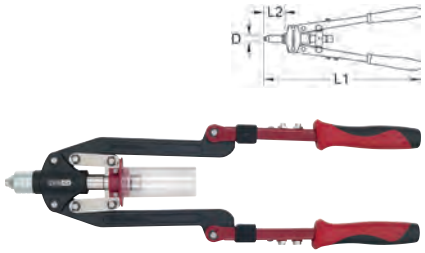


	D mm	L1 mm	L2 mm	kg
150.9530	21.0	410.0	59.0	1.50

Universal riveting tool

- Suitable for blind rivets and blind rivet nuts
- Retractable legs for increased power consumption
- Mouthpiece magazine intergrated in the handle
- With two component handle
- Die cast metal body

Blind rivets: 2,4 - 3,2 - 4,0 - 4,8 - 6,4 mm



	D mm	L1 mm	L2 mm	kg
150.9633	30.0	510.0	45.0	1.60

Universal riveting tool set

- Suitable for blind rivets and blind rivet nuts
- Retractable legs for increased power consumption
- Mouthpiece magazine intergrated in the handle
- With two component handle
- Die-cast metal body

Blind rivets: 2,4 - 3,2 - 4,0 - 4,8 - 6,4 mm
Rivet nuts: M4 - M5 - M6 - M8 - M10

			kg
150.9630	11 pcs	Universal riveting tool set	2.67

accessories:

		g
150.9570	Rivet holders for rivetting tool small and large, 2,4 mm	10
150.9571	Mouthpieces for riveting, 3.2 mm	10
150.9572	Mouthpieces for riveting, 4.0 mm	10
150.9573	Mouthpieces for riveting, 4.8 mm	10
150.9574	Mouthpieces for riveting, 5 mm	10
150.9575	Mouthpieces for riveting, 6.4 mm	10
150.9578	Replacement jaw grips suitable for rivet head, for 150.9610	10
150.9579	Replacement gripping jaws for rivet head, for 150.9630	10
150.9620	Cavity wall fixing rivet head, for 150.9610	160
150.9613	Rivet nut pulling spindle for small rivet tool, M3, for 150.9610	30
150.9614	Rivet nut pulling spindle for riveting tools, M4	30
150.9615	Rivet nut pulling spindle for riveting tools, M5	30
150.9616	Rivet nut pulling spindle for riveting tools, M6	30
150.9634	Rivet nut pulling spindle for riveting tools, M4	40
150.9635	Rivet nut pulling spindle for riveting tools, M5	40
150.9636	Rivet nut pulling spindle for riveting tools, M6	40
150.9638	Rivet nut pulling spindle for riveting tools, M8	70
150.9640	Rivet nut pulling spindle for riveting tools, M10	70
150.9611	Spare rivet heads, suitable for 150.9610	60
150.9631	Replacement rivet heads for rivet tools, for 150.9630	100
150.9632	Replacement rivet heads for rivet tools, for 150.9630	40

CRIMPING PLIERS

Wire end ferrule pliers

- For cable cutting and wire stripping
- For crimping cable lugs and connectors
- With PVC dipped handle
- Plier body made of flat steel

	D mm	L mm	g	
115.1236	0,25 - 2,5	155.0	186	
115.1237	0,5 - 16,0	220.0	314	

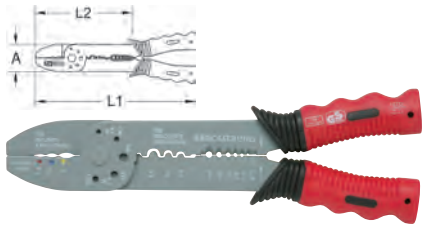
Crimp pliers for not insulated, opened cable connector

- Ideally suited for converting not insulated contacts
- For stripping of wires from 0.5 - 6.0 mm²
- Cut wires up to 6.0 mm²
- For crimping blade terminals 2.8 / 4.8 / 6.3 mm and other contacts with open crimp sleeve
- Handle dip insulated
- Plier body from special steel
- Material strength 3 mm

	A mm	L1 mm	L2 mm	g	
115.1235	38.0	220.0	120.0	190	

Multifunction pliers for insulated and non insulated cable terminals

- For cable cutting and stripping of wires from 0,75 - 6,0 mm²
- For crimping cable lugs and connectors of 1,5 - 6,0 mm²
- Cutting function
- Two component handle
- Pliers body made of flat steel



	A mm	L1 mm	L2 mm	g	
115.1231	40.0	220.0	130.0	230	

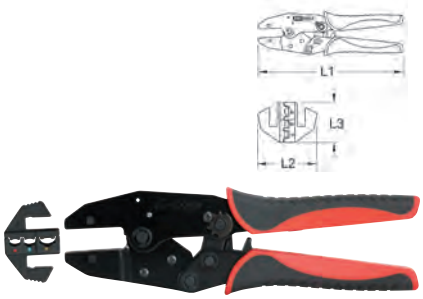
Multifunction crimping plier set

- For insulated and un-insulated cable terminals
- Includes 270 pcs consumables
- For cable cutting and stripping wires from 0,75 - 6,0 mm²
- For crimping cable terminals and connectors from 1,5 - 6,0 mm²
- Cutting function
- Two component handle
- Pliers body made of flat steel
- In durable plastic storage case

			g	
115.1230	270 pcs	Multifunction crimping plier set	560	

Crimping pliers for non insulated terminals

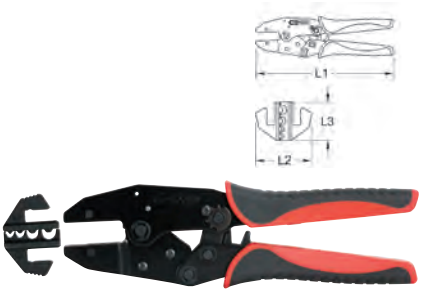
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g	
115.1425	0,5-1,0/1,5-2,5/4,0-6,0	22-18/16-14/12-10	220.0	50.0	34.0	115.1415	491	

Crimping pliers for insulated terminals

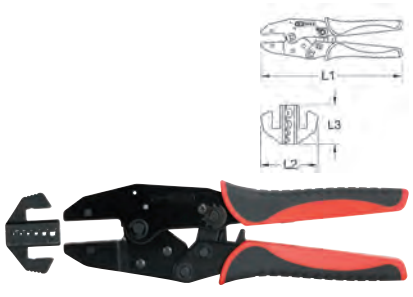
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g	
115.1430	1,5/2,5/6,0/10,0	20-18/16-14/12-10/8	220.0	50.0	34.0	115.1416	487	

Crimping pliers for pin terminals

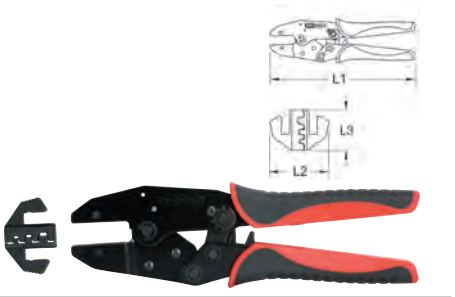
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through Precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g	
115.1440	0,5/0,75/1,0/1,5/2,5/4,0	22/20/18/16-14/12-10	220.0	50.0	34.0	115.1418	499	
115.1450	6,0/10,0/16,0	10/8/6	220.0	50.0	34.0	115.1420	499	

Crimping pliers for spade terminals

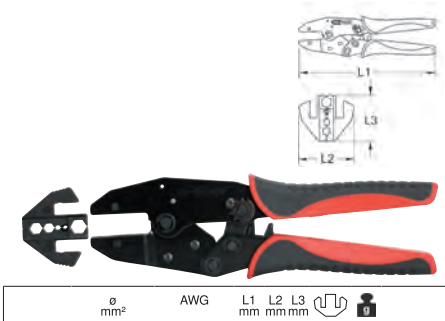
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g	
115.1435	0,5-1,0/1,5-2,5/4,0-6,0	20-18/16-14/12-10	220.0	50.0	34.0	115.1417	499	
115.1455	2,5/0,5/8,0/10,0	14-22/8-6	220.0	50.0	34.0	115.1421	505	

Crimping pliers for coaxial terminals

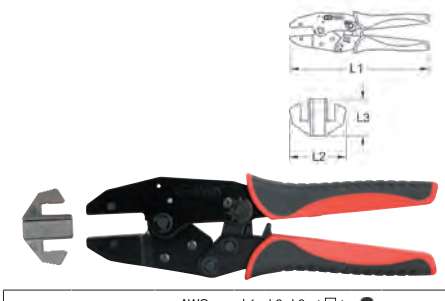
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g	
115.1445	1,72/2,50/5,40/6,48/8,23	RG58/RG59/RG62	220.0	50.0	34.0	115.1419	491	

Crimping pliers for Western terminals

- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g	
115.1460	RJ22	22-24	220.0	50.0	34.0	115.1422	500	
115.1465	RJ11/RJ12	22-24	220.0	50.0	34.0	115.1423	505	
115.1470	RJ45	22-24	220.0	50.0	34.0	115.1424	505	

Electricians crimping plier set

- Ideal configuration for electricians
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- In durable plastic storage case
- Two component handle
- Burnished
- Pliers body made of flat steel

			g
115.1480	3 pcs	Electricians crimping plier set	910

1 x		220 mm
1 x		Ø 0,5 - 4,0 mm, H
1 x		Ø 1,5 - 10,0 mm, B

Net working crimping plier set

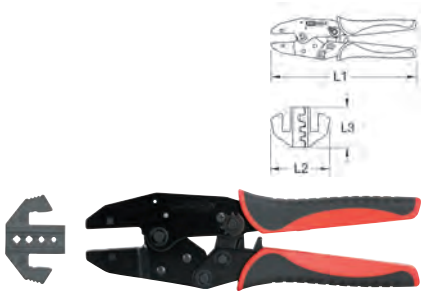
- Ideal configuration for network cabling
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- In durable plastic storage case
- Two component handle
- Burnished
- Pliers body made of flat steel

			kg
115.1490	5 pcs	Net working crimping plier set	1.05

1 x		220 mm
1 x		AWG: 22 - 14 - 6 - 8, H
1 x		AWG: 22 - 24, G1
1 x		AWG: 22 - 24, G2
1 x		AWG: 22 - 24, G3

Crimping plier for Solarlok

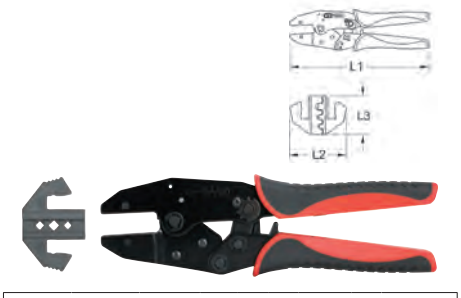
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g
115.1520	6,0 / 4,0 / 2,5 / 1,5	10 - 15	220.0	50.0	34.0	115.1412	483

Crimping plier for Multi Connect MC3

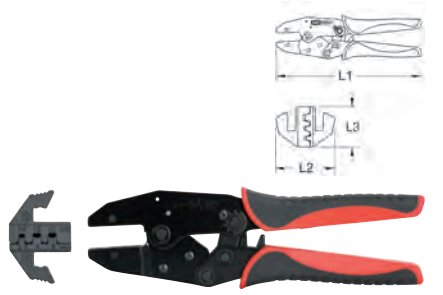
- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g
115.1521	4,0 / 6,0 / 2,5	12 / 10 / 14	220.0	50.0	34.0	115.1413	484

Crimping plier for Multi Connect MC4

- Extremely robust and reliable
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- Two component handle
- Burnished
- Pliers body made of flat steel



	ø mm²	AWG	L1 mm	L2 mm	L3 mm		g
115.1522	2,5 / 4,0 / 6,0	14 / 12 / 10	220.0	50.0	34.0	115.1414	490

Universal crimping tool set with automatic wire stripper

- Extremely robust and reliable crimping plier
- Safety lock
- Inserts lock and to they click to prevent possible misuse
- Optimal crimping through precision profile
- Ratchet function
- Adjustment of the crimping pressure
- Easy to change the crimp heads through quick locking device
- In durable plastic storage case
- Two component handle
- Burnished
- Pliers body made of flat steel
- Includes self-closing and damage free automatic wire stripper

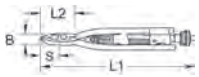
			kg
115.1400	8 pcs	Universal crimping tool set with automatic wire stripper	2.37

1 x		220 mm
1 x		Ø 0,5 - 4,0 mm, H
1 x		Ø 1,5 - 10,0 mm, B
1 x		Ø 0,5 - 6,0 mm, C
1 x		Ø 0,5 - 4,0 mm, D
1 x		RG 58 - RG 71, E
1 x		1,0 - 3,2 mm
1 x		

WIRE PROCESSING PLIERS

Wire twisting pliers

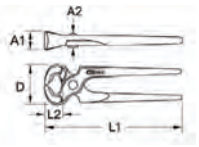
- Anticlockwise
- Serrated execution
- 30° angled jaws
- With additional cutting
- Enables precise, in seconds wire twisting
- Suitable for wire up to 1,0 mm
- Narrow nose for optimal mobility
- Burnished
- Special tool steel



	B mm	L1 mm	L2 mm	S mm	g
116.1301	10.0	215.0	40.0	10,0	230
116.1302	12.0	265.0	60.0	13,0	360

Rabitz pliers

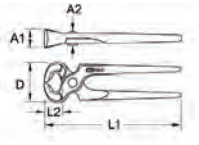
- In accordance to DIN / ISO 9242
- With PVC dipped handle
- Ground heads
- For cutting and twisting tie wire
- Oil-hardened
- Black surface
- Special tool steel



	A1 mm	A2 mm	D mm	L1 mm	L2 mm	g
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

Heavy pincers

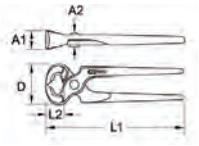
- In accordance to DIN / ISO 9243
- With PVC dipped handle
- Ground heads
- For heavy applications
- Oil-hardened
- Black surface
- Special tool steel



	A1 mm	A2 mm	D mm	L1 mm	L2 mm	g
116.1300	24.0	23.0	52.0	200.0	23.0	410

Self opening rabitz pliers

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

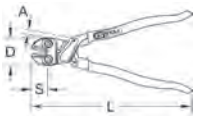


	A1 mm	A2 mm	D mm	L1 mm	L2 mm	g
116.1411	23.0	20.0	30.0	220.0	17.0	400
116.1410	27.0	22.0	36.0	250.0	19.0	400
116.1412	25.0	21.0	35.0	280.0	18.0	400

BOLT CUTTERS

Mini bolt cutter, self-releasing

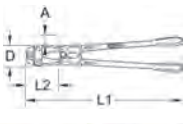
- With pipe handle
- With steel tube legs and eccentric adjustment
- With interchangeable cutter head
- Cutter head made of high quality special steel
- Inductively hardened precision cutting edges
- Phosphate
- Chrome molybdenum



	L mm	S mm	D mm	A mm	g
118.0015	205.0	14,0	34.0	17.0	260

Bolt cutters

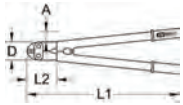
- With pipe handle
- With steel tube legs and eccentric adjustment
- With interchangeable cutter head
- Cutter head made of high quality special steel
- Inductively hardened precision cutting edges
- Phosphate finish
- Special tool steel



	A mm	D mm	L1 mm	L2 mm	Replacement cutter head	kg
118.0118	20.0	65.0	450.0	115.0	118.0119	1.50
118.0124	22.0	85.0	600.0	136.0	118.0125	2.50
118.0130	27.0	95.0	750.0	155.0	118.0131	4.88
118.0136	35.0	110.0	900.0	170.0	118.0137	6.70
118.0142	40.0	120.0	1050.0	195.0	118.0143	6.70

Bolt cutters

- With forged arms
- With steel tube legs and eccentric adjustment
- With interchangeable cutter head
- Cutter head made of high quality special steel
- Inductively hardened precision cutting edges
- Phosphate finish
- Special tool steel



	A mm	D mm	L1 mm	L2 mm	Replacement cutter head	kg
118.0218	20.0	65.0	460.0	120.0	118.0119	2.60
118.0224	25.0	82.0	610.0	135.0	118.0125	2.90
118.0230	30.0	65.0	760.0	155.0	118.0131	3.20
118.0236	35.0	110.0	900.0	170.0	118.0137	5.40

Bolt cutter display

- With steel tube legs and eccentric adjustment
- With interchangeable cutter head
- Cutter head made of high quality special steel
- Inductively hardened precision cutting edges
- Phosphate finish
- Special tool steel
- In display stand

			kg
118.0032	37 pcs	Bolt cutter display	96.16

16 x		2 x 450 - 4 x 600 - 4 x 750 - 4 x 900 - 2 x 1050 mm
16 x		2 x 450 - 4 x 600 - 4 x 750 - 4 x 900 - 2 x 1050 mm

Reinforcement steel mesh cutter

- Cutting performance up to 40 HRC
- With adjustable cutters
- Low separating force effort
- Limit stop with extra-large buffer area
- Unproblematic gripping of flat lying construction steels

	S mm	L mm	g
118.0246	45,0	950.0	3780

SADDLER PLIERS

Seat clamp plier set

- Straps for attaching bolster clamps to vehicle seats
- For all common bolster clamps
- Includes 100 clamps
- With PVC dipped handle
- Chrome vanadium
- In durable plastic storage case

			g
118.0160	101 pcs	Seat clamp plier set	310

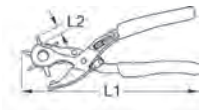
consists of:

		g
118.0161	Clamps, 100 pcs	85
118.0162	Seat clamp plier	180

REVOLVING PUNCH PLIERS

Revolving punch pliers

- With an ergonomic, molded handle
- With inspection panel
- Automatic locking device
- Interchangeable hole punches
- Nickel plated
- Chrome vanadium



	L1 mm	L2 mm	g
118.0041	220.0	10.0	325

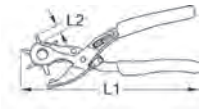
Revolving punch and eyelet pliers

- Ideal for working with eyelets
- With an ergonomic, molded handle
- With inspection panel
- Automatic locking device
- Interchangeable hole punches
- Nickel plated
- Chrome vanadium

	L1 mm	L2 mm	g
118.0042	220.0	10.0	325

Revolving punch pliers, normal hand

- Up to 70% power savings
- With an ergonomic, molded handle
- With inspection panel
- Automatic locking device
- Interchangeable hole punches
- Nickel plated
- Chrome vanadium

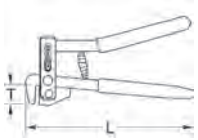


	L1 mm	L2 mm	g
118.0043	250.0	10.0	430

PUNCHED HOLE AND JOGGLER PLIERS

Mini joggler pliers

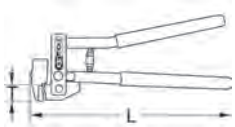
- Self opening
- For the flanging of sheet metal and body parts
- Up to 1 mm thickness
- Particularly suitable for thin sheet metal edges, curves and arches
- Requires light expenditure of energy
- Hardened flanging jaws
- Special tool steel



	L mm	T mm	g
118.0056	220.0	13.0	900

Joggler pliers

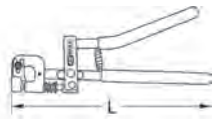
- Self opening
- For the flanging of sheet metal and body parts
- Up to 1 mm thickness
- Requires light expenditure of energy
- Hardened flanging jaws
- Special tool steel



	L mm	T mm	kg
118.0058	280.0	13.0	1.00

Joggler pliers

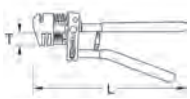
- Self opening
- For punching straight and bent sheet metal
- Up to 1.25 mm thickness
- Radius to 40,0 mm
- Hole diameter 5 mm
- Requires light expenditure of energy
- Special tool steel



	L mm	hole diameter	kg
118.0057	300.0	max. 5 mm	1.00

Punched hole and joggler pliers

- Self opening
- Fast conversion by simply turning the head
- For the flanging and punching sheet metal and body parts
- Punching up to 1,25 mm thickness
- Hole diameter 5 mm
- Requires light expenditure of energy
- Special tool steel

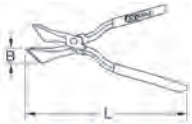


	L mm	T mm	hole diameter	kg
118.0055	285.0	13.0	max. 5 mm	1.23

PLUMBER PLIERS

Seaming pliers

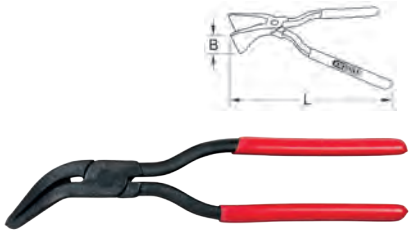
- For folding of sheet metal
- Straight design
- Insulated handle
- Cast iron



	L mm	B mm	g
222.1601	280.0	52.0	660

Seaming pliers

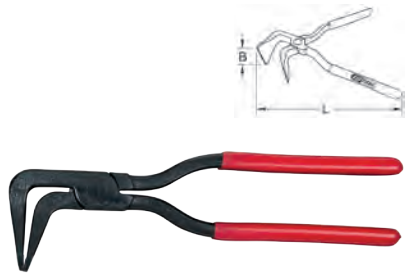
- For folding of sheet metal
- 45° angled jaws
- Insulated handle
- Cast iron



	L mm	B mm	g	
222.1602	260.0	52.0	670	

Seaming pliers

- For folding of sheet metal
- 90° angled jaws
- Insulated handle
- Cast iron

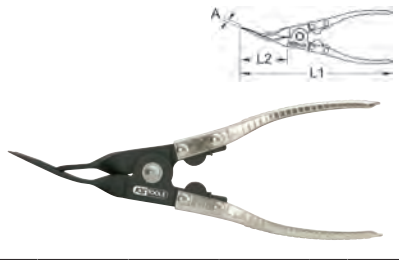


	L mm	B mm	g	
222.1603	260.0	52.0	760	

AUTOMOTIVE CLIP REMOVAL PLIERS

Door panel rivet tool

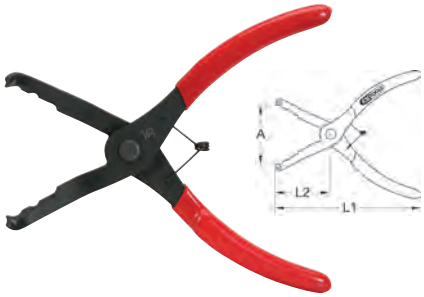
- For the gentle release of clips of all kinds on the entire vehicle
- Through the gentle release of the clips can be reused
- Self-closing
- With spring clip
- Head burnished
- Chromium vanadium



	A mm	L1 mm	L2 mm	g	
115.1051	32,0	240.0	80.0	240	

Trim clip pliers

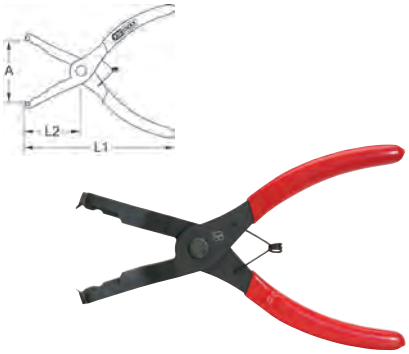
- 35° angled tips
- With various profiles
- For the removal of re-usable plastic rivets and clips
- Self opening
- Chrome vanadium



	A mm	L1 mm	L2 mm	g	
115.1087	0-82	190.0	60.0	180	

Trim clip pliers

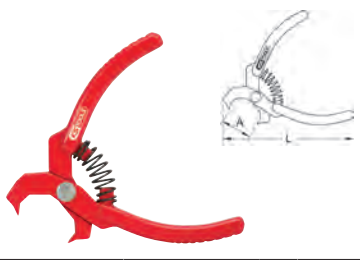
- 80° angled tips
- With various profiles
- For the removal of re-usable plastic rivets and clips
- Self opening
- Chrome vanadium



	A mm	L1 mm	L2 mm	g	
115.1088	0-72	200.0	66.0	190	

Rivet removal pliers, offset

- For the removal of two piece plastic rivets
- Self opening
- Plastic



	A mm	L mm	g	
115.1097	0-28	100.0	20	

Rivet removal tool

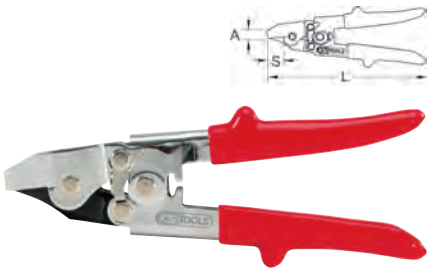
- For the removal of two piece plastic rivets
- Self opening
- Plastic

	A mm	L mm	g	
115.1098	0-20	100.0	20	

CARTRIDGE TIP PLIERS

Cartridge tip pliers

- PVC dipped handle
- Very versitile
- Safety locking device
- Clean V-cut in the cartridge tip
- Cut from solid steel
- Chrome vanadium

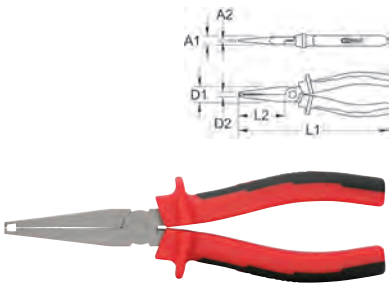


	A mm	L mm	S mm	g	
140.2220	33.0	210.0	20,0	420	

WHEELS & TYRES PLIERS

Wheel nut cap pliers

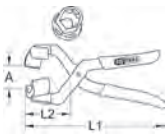
- For the disassembly and assembly of nut caps
- Two component handle
- Easy removal due to the special mouth pliers
- Chrome vanadium



	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	

HGV wheel nut cap pliers

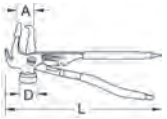
- PVC dipped handle
- For removing of wheel nut caps
- No slipping through specially coated jaws
- Ideally suited for commercial vehicles
- Special tool steel

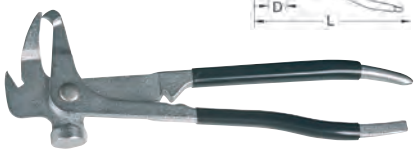


	A mm	L1 mm	L2 mm	g
150.1995	28-60	250.0	72.0	305

Wheel balance weight pliers

- Dipped covered handles
- For cutting off the balance weights
- With additional function for opening and closing the spring clips
- Chromium vanadium

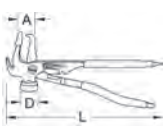




	A mm	D mm	L mm	g
150.2025	26,0	22.0	250.0	450

Wheel balance weight pliers, self opening

- Dipped covered handles
- For cutting off the balance weights
- Pliers and Hammer plastic covered
- Suitable for alloy wheels
- With additional function for opening and closing the spring clips
- Chromium vanadium



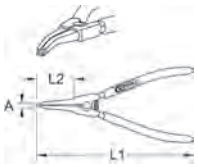
	A mm	D mm	L mm	g
150.2024	32,0	28.0	250.0	380

CHASSIS & BRAKE PLIERS

Drive shaft removal pliers

- 30° angled
- With PVC dipped handle
- Self-closing
- Plier head with cut out and ring stop body
- For the disassembly and assembly of nut caps without lug retainer
- Chrome vanadium

Application range: For the dismantling of the external (bellow joints in the exchange of the axle boots and / or the drive shaft sleeves). e.g.: for Audi, Opel, VW (Golf, T4), Fiat, Mitsubishi.

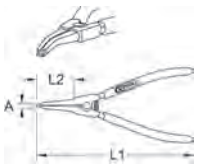


	A mm	L1 mm	L2 mm	g
115.0991	0-33	210.0	50.0	215

Drive shaft removal pliers

- Slightly angled
- With PVC dipped handle
- Self-closing
- Checkered plier head
- For the disassembly and assembly of drive shaft circlips without lug retainer
- Slip proof
- Chrome vanadium

Application range: For the removal of external circlips e.g. on synchronisation joints

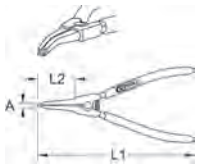


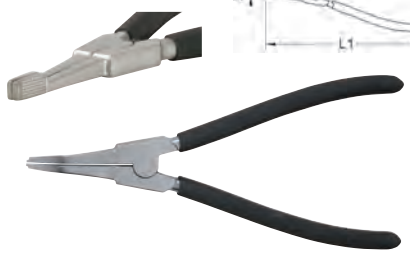
	A mm	L1 mm	L2 mm	g
115.0992	0-37	210.0	50.0	220

Drive shaft removal pliers

- Straight form
- With PVC dipped handle
- Self-closing
- Checkered plier head
- For the disassembly and assembly of drive shaft circlips without lug retainer
- Slip proof
- Chrome vanadium

Application range: For the removal of external circlips e.g. on drive shafts, transmissions, etc





	A mm	L1 mm	L2 mm	g
115.0993	0-37	210.0	48.0	220

Lockring pliers, serrated

- With PVC dipped handle
- Serrated and angular tip
- With self closing mechanism
- For the dismantling and assembly lockring
- For external security rings
- No sliping due to the serrated tips
- Chrome molybdenum

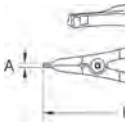
Ideally suited for the dismantling and assembly of lockring on drive shafts on for example VW, MB and Opel.

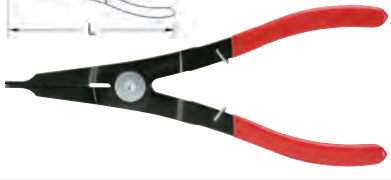
	A mm	L mm	g
115.1048	0-20	210.0	220

Lockring pliers, fully formed tips

- With PVC dipped handle
- Fully formed tips
- With self closing mechanism
- For the dismantling and assembly lockring
- For external security rings
- No sliping due to the serrated tips
- Chrome molybdenum

Ideally suited for the dismantling and assembly of lockring on drive shafts on for example VW, MB, Opel, BMW and Ford.

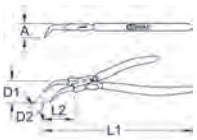




	A mm	L mm	g
115.1049	0-20	240.0	600

Wheel bearing circlip pliers, angled

- In accordance to DIN 5256
- Slip inhibiting machined precision tips
- 45° angled version
- Self closing
- With rubber grip
- Power version
- Die forged
- Chrome vanadium

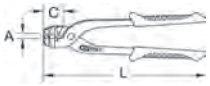


	mm	A mm	D1 mm	D2 mm	L1 mm	L2 mm	g
500.1038	19,0 - 60,0	22.0	23.0	2.3	240.0	32.0	250
500.1039	19,0 - 60,0	22.0	23.0	3.0	300.0	46.0	490

BRAKE PLIERS

Brake pipe bending pliers, 2 in 1

- For 4,75 and 6,00 mm brake pipes
- With plastic handle
- Ideally suitable for bending pipes directly
- Suitable for copper, steel, and plastic coated brake pipes
- Burnished
- Special tool steel



	A mm	L mm	C mm	g
120.2000	0-27,5	240.0	37.0	400

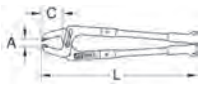
Car brake spring pliers

- For attaching and dismantaling the brake shoes retaining spring
- For glued and riveted brake shoes
- Special surround
- Chrome vanadium

	A mm	L mm	g
150.2211	130.0	325.0	335

Grease cap pliers

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



	A mm	C mm	L mm	kg
450.0210	0-100	85.0	500.0	1.20

Brake spring pliers

- For the disassembly and assembly of hand brake cables
- Allows a safe working environment
- Chrome vanadium

Application range: VW, Audi, BMW, Citröen, Nissan, Peugeot, Renault, Rover, Seat etc.

	L mm	g
150.2118	225.0	175

Car brake spring pliers

- For attaching and dismantaling the brake shoes retaining spring
- For glued and riveted brake shoes
- Special surround
- Chrome vanadium

	A mm	L mm	g
150.2116	130	220.0	340

HGV brake spring pliers

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

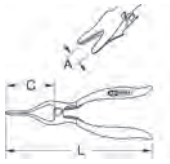
	A mm	L mm	Replacement tip	kg
450.0320	205.0	500.0	450.0321	1.25

OIL & FUEL SERVICE PLIERS

Special hose pliers

- With PVC dipped handle
- Extra flat jaws to the end
- For dismantling and assembly
- For removing of hose connections from hose tails
- Special tool steel

Ideally suited in e.g. fuel vacuum hoses, low pressure systems and water hoses.

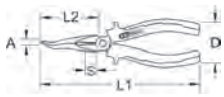


	A mm	L mm	C mm	g
115.1044	0-30	195.0	70.0	190

Fuel pipe pliers

- Two component handle
- Cranked execution
- Integrated cutting edge
- For loosening and tightening on fuel lines that are difficult to reach
- No damage of the overflow pipe
- Matt chrome
- Chrome vanadium

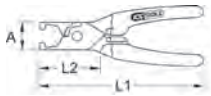
Ideally usably in security ring at fuel directions and change valve on BMW motorcycles with 2 valve technology Suitable e.g. for VW/Audi, Mercedes Benz, Ford, Opel, Peugeot, Volvo, Daihatsu, Mazda and Toyota.



	A mm	L1 mm	L2 mm	S mm	g
115.1067	0-75	200.0	75.0	15,0	220

Fuel connection pliers

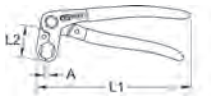
- PVC dipped handle
- For unbolting of fuel pipe siezed connections
- Suitable for service and maintenance works
- Special tool steel



	A mm	L1 mm	L2 mm	g
115.1094	0-30	160.0	50.0	220

Fuel pipe pliers, offset

- PVC dipped handle
- 90° angled head
- For the correct unbolting of the siezed connections with rest tongues
- Suitable for service and maintenance works on the fuel tank
- For difficult to access areas
- Chrome molybdenum



	A mm	L1 mm	L2 mm	g
115.1099	0-24	220.0	39.0	280

Fuel pipe connection plier

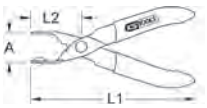
- For opening and closing the coupling on fuel pipe connections
- Is required for fuel filter changes and/or engine repairs
- With two component handle
- Chrome vanadium

Application range: VW Audi, Fiat, GM, Opel, Mercedes (e.g. M class petrol engine) etc.

	L mm	g
115.0900	230.0	310

Fuel connection pliers

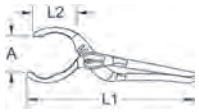
- PVC dipped handle
- For opening the coupling on fuel pipe connections
- Blue and green: for compression couplings connected fuel pipe
- Red: with 2 noses 6,5 mm x 6,0 mm for GM and Opel fuel pipe
- Special tool steel



	A mm	L2 mm	L1 mm	g
115.1091	20,0	35.0	120.0	80
115.1092	22,0	35.0	120.0	80
115.1093	22,0	35.0	120.0	80

Oil filter pliers

- With PVC dipped handle
- 5-stage industrial adjustment
- Universal usage
- Special tooth profile on the jaws
- Safety stop on the external diameter
- Special tool steel

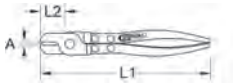


	A mm	L1 mm	L2 mm	g
150.9317	50-125	290.0	110.0	500

HOSE CLAMP PLIERS

Hose clamp pliers, ear type

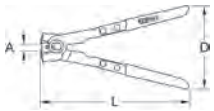
- Knurled handle
- To the dismantling and assembly of "ear type" hose clamp
- For connections on axle boots, coolers and fuel hoses
- Universal usage
- Chrome molybdenum



	A mm	L1 mm	L2 mm	g
115.1039	0-60	230.0	25.0	320

Hose clamp pliers, ear type

- With PVC dipped handle
- For the fitting of ear clamps
- No sticking up of the ears during the press process
- Uniform compressing of the ear piece
- No damage of the sleeve
- Nickel plated execution
- Chrome molybdenumIdeally suitable for axle boots, radiators and fuel pipes on models from VW, Audi, Opel, BMW, Mercedes Benz, Honda, Nissan and Mazda.

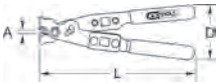


	A mm	L mm	g
115.1050	0-22	260.0	380

Hose clamp pliers

- With PVC dipped handle
- With 3/8" drive for use with a torque wrench
- For the fitting and clamping of ear clamps
- 1/2" 4 point recess in the handle for additional use with a torque wrench
- Chrome molybdenum

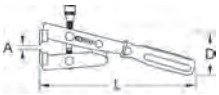
Ideally suitable for VW, Opel, Seat, GM, Ford, Nissan, Mercedes, Mazda, Honda, Chrysler, BMW and Audi.



	A mm	L mm	g
115.1053	0-17	240.0	540

Hose clamp pliers for torque wrench

- Black plastic handle
- 3/8" drive for use with a torque wrench
- Enables clamping and/or copressing of the hose clamps
- Suitable for the stainless steel hose clamps on drive shafts
- Robust cast steel construction

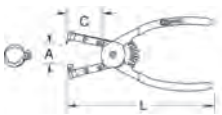


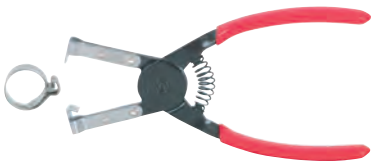
	A mm	L mm	g
115.1056	0-45	270.0	900

HOSE CLAMP PLIERS

Click hose clamp pliers

- For opening and closing of click hose clamps
- PVC dipped handle
- Self opening
- Chrome molybdenum





	A mm	C mm	L mm	g
115.1040	0-250	40.0	160.0	120

Hose clamp pliers with bowden cable

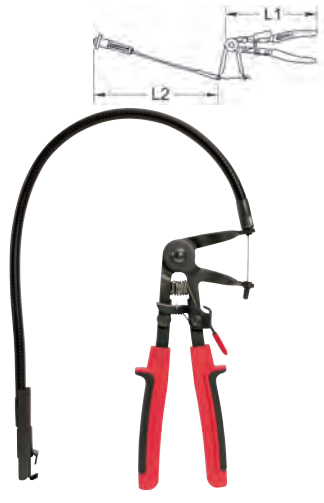
- PVC dipped handle
- For spring pipe clamps
- 650 mm bowden cable
- Includes locking mechanism
- Internal spring
- For difficult to reach clamps
- Chrome molybdenum

	Ø mm	L1 mm	L2 mm		
115.1041	0 - 60	200.0	650.0	115.1041-1	470

Spring band clamp wrench with gooseneck

- For actuation of self tensioning spring band clamps
- For cooling and heating systems
- Semi rigid, plastic coated gooseneck
- Convenient one handed operation in deep regions
- Fixing of the clamp by micro teeth
- Ideal for confined spaces
- Working head with raised grippers and wide opening
- Working head with slide guide and retraction spring
- With two component handle
- Chrome molybdenum

Application area: NORMA FBS, MUB FBS-STD, FBS-RSV, etc.



	Ø mm	L1 mm	L2 mm		
115.1190	18-54	220.0	660.0	115.1190-1	620

Hose clamp pliers type MU3

- For secure and correct dismantling and assembly of clamps
- Suitable for flat fitting and eccentric clamps
- With 600 mm bowden cable
- Adjustable length bowden cable
- Includes locking mechanism and ratchet function
- For difficult to reach clamps
- For new type and hard to access steel band clamps
- Special tool steelSuitable for VAG 2,0 TDI / MC:BKD, VW Passat from 2005,Touran, Golf V, Skoda Octavia, Audi A3.

	Ø mm	L1 mm	L2 mm		
115.1064	0 - 50	240.0	600.0	115.1066	540

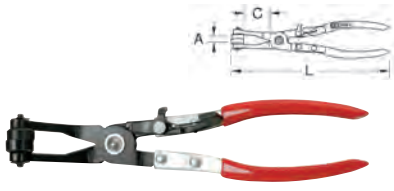
Hose clamp pliers with double bowden cable

- PVC dipped handle
- For spring pipe clamps
- 600 mm bowden cable
- Adjustable length bowden cable
- Includes locking mechanism
- For difficult to reach clamps
- Special tool steel

	Ø mm	L1 mm	L2 mm		
115.1065	0 - 70	270.0	600.0	115.1065-1	550

Hose clamp pliers, angled

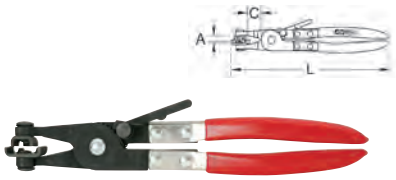
- 45° angled head
- With variable jaws
- For difficult to reach clamps
- Includes locking mechanism
- With PVC dipped handle
- Chrome molybdenum



	A mm	C mm	L mm	
115.1042	0-65	55.0	220.0	210

Universal hose clamp pliers

- Universal crown profile
- For difficult to reach clamps
- With PVC dipped handle
- Includes locking mechanism
- Versitile usage
- Chrome molybdenum



	A mm	C mm	L mm	
115.1043	0-48,5	40.0	220.0	240

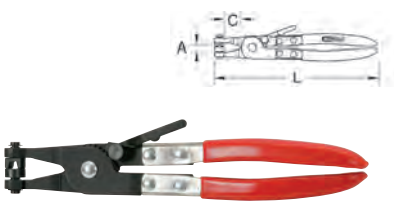
Click hose clamp pliers, forged

- For opening and closing of cobra hose clamps
- Clamps reusable V2A-clamps
- With PVC dipped handle
- With self opening mechanism
- Chrome molybdenum

	A mm	C mm	L mm	
115.1045	0-38	25.0	180.0	240

Hose clamp pliers

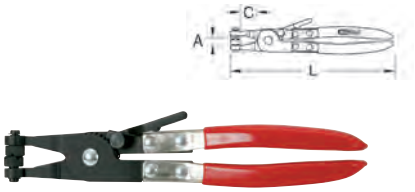
- PVC dipped handle
- For spring pipe clamps
- Includes locking mechanism and ratchet function
- Chrome molybdenum



	A mm	C mm	L mm	
115.1046	0-45	37.0	220.0	230

Hose clamp pliers

- PVC dipped handle
- For spring pipe clamps
- Includes locking mechanism and ratchet function
- Chrome molybdenum



	A mm	C mm	L mm	g	
115.1047	0-45	37.0	220.0	230	

Hose clamp pliers

- Work side
- For compressing locking hose clips
- With PVC dipped handle
- Chrome vanadium

	L mm	g	
115.1185	240.0	335	

Hose clamp pliers with prism reception

- For self-tensioning hose clamps with flat 3-terminal ends
- In particular for fuel lines, cooling and washing water hoses
- Prism reception
- Self opening
- Surface nickel-plated
- Special steelApplication range: VW, Audi, Mercedes Benz, Toyota etc.

	Clamping range mm	L mm	g	
115.1187	8-18	195.0	170	

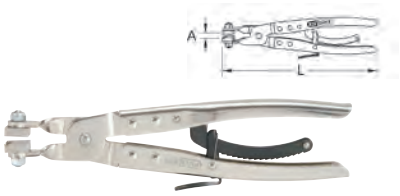
Hose clamp pliers with swivel prism reception

- For self-tensioning hose clamps with flat 3-terminal ends
- In particular for fuel lines, cooling and washing water hoses
- Swivel prism reception
- Self opening
- Surface nickel-plated
- Special steelApplication range: VW, Audi, Mercedes Benz, Toyota etc.

	Clamping range mm	L mm	g	
115.1188	8-18	210.0	200.0	

Hose clamp pliers type MU1

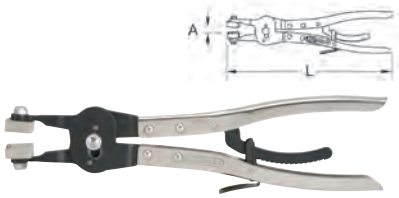
- For secure and correct dismantling and assembly of clamps
- Suitable for flat fitting and eccentric clamps
- Includes locking mechanism and ratchet function
- For difficult to reach clamps
- For new type and hard to access steel band clamps
- Special tool steelSuitable for VAG



	A mm	L mm	g	
115.1062	0-30	235.0	390	

Hose clamp pliers type MU2

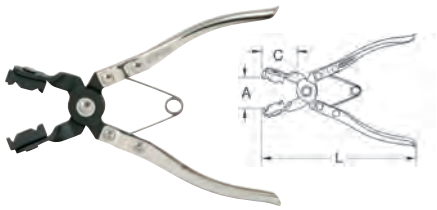
- For secure and correct dismantling and assembly of clamps
- Suitable for flat fitting and eccentric clamps
- Includes locking mechanism and ratchet function
- For difficult to reach clamps
- For new type and hard to access steel band clamps
- Special tool steelSuitable for VAG 2,0 TDI / MC: BKD, VW Passat from 2005, Touran, Golf V, Skoda Oktavia, Audi A3 etc.



	A mm	L mm	g	
115.1063	0-40	295.0	470	

Hose clamp pliers

- Variable jaws
- 45° angled head
- For opening and closing of click and click R hose clamps
- Especially suitable for narrow hard to access areas
- Chrome molybdenum



	A mm	C mm	L mm	g	
115.1057	0-30	45.0	200.0	180	

Hose clamp gripping plier

- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- Quick release lever
- Easy locking action
- For round and flat material
- Nickel plated
- Chrome vanadium

	Clamping range mm	L mm	g	
115.1126	18-36	175.0	231	
115.1127	18-54	230.0	420	

HOSE CLAMP PLIER SETS

Hose clamp gripping plier set

- Forged gripping jaws
- Serrated execution
- Size adjustment using the adjustment wheel
- Quick release lever
- Easy locking action
- For round and flat material
- Nickel plated
- Chrome vanadium

			g	
115.1125	2 pcs	175 - 230 mm	653	

Automotive hose clamp plier set

- Handle dip insulated
- Ideal for clamps low down in the engine
- Includes locking mechanism
- For self tensioning spring pipe clamps with 3 point mounting
- Self opening
- For opening and closing re/useable clic hose clamps, type Clic + Clic-R
- For difficult to reach clamps
- Special tool steel

Application area: For connecting and removing fuel, immersed ventilation, coolant, washer water and vacuum hoses, etc.

Application range: VW, Audi, Mercedes Benz, Toyota etc.

			kg	
115.1104	4 pcs	Automotive hose clamp plier set	1.12	

consists of:

		g	
115.1045	Click hose clamp plier, forged, 180mm	240	
115.1042	Hose clamp plier, angled, 220mm	210	
115.1187	Hose clamp plier with prism reception, 8-18mm	170	
115.1065	Hose clamp plier with double bowden cable, 600mm	550	

Automotive hose clamp plier set

- PVC dipped handle
- For opening and closing of cobra hose clamps
- Swivel pressed jaws
- Includes locking mechanism and ratchet function
- Self opening mechanism
- For the dismantling and assembly of hose clamps
- Includes bowden cable
- Chrome molybdenum

			kg
115.1055	7 pcs	Automotive hose clamp plier set	4.00

consists of:

		g
115.1041	Hose clamp plier with bowden cable, 650 mm	470
115.1042	Hose clamp plier, angled, 220mm	210
115.1043	Hose clamp plier, lockable, with swivel jaw (crown profile)	240
115.1044	Tube loosening plier	190
115.1045	Click hose clamp plier, forged, 180mm	240
115.1046	Hose clamp plier standard execution, lockable, straight	230
115.1047	Hose clamp plier standard execution, lockable, straight	230

HOSE STRP CUTTER PLIERS

Hose strap cutter, angled

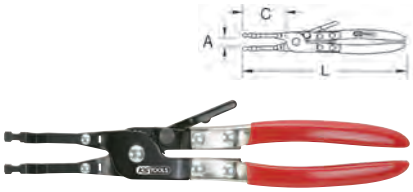
- To be sliced from earless hose clamps
- For connections on axle boots, coolers and fuel hoses
- Dipped covered handle
- Chrome vanadium

	L mm	g
115.1186	220.0	345

SOLDERING WIRE HOLDING FORCEPS

Soldering wire pliers

- With PVC dipped handle
- For the safe fixing of braded wire
- With self opening internal spring
- Includes locking mechanism
- Chrome molybdenum



	A mm	C mm	L mm	g
115.1052	78,0	65.0	245.0	260

INCANDESCENT BULB PLIERS

Incandescent bulbs plier

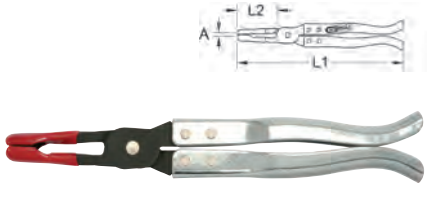
- With protecting foam material
- For the removal and replacement of incandescent bulbs
- With internal spring
- Plier jaws with foam protection material
- Suited for glass socket lamps of 4,0 mm until 6,0 mm
- Special plastic

	A mm	C mm	L mm	g
115.1054	0-32	45.0	160.0	70

VALVE AND PISTON PLIERS

Valve shaft removal pliers

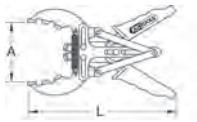
- Slim execution
- Plastic coated jaws
- Knurled handle
- With self opening mechanism
- Quick and easy removal of valves from the valve shaft
- For the extension of the valve spring lever
- Ideally suitable for engines with 4 valve technology
- Nickel plated execution
- Special tool steel



	A mm	L1 mm	L2 mm	g
115.1061	0-125	275,0	100.0	380

Piston ring pliers

- PVC dipped handle
- For the safe disassembly and assembly of piston rings
- Nickel plated surface
- Special tool steel



	Ø mm	A mm	L mm	g
150.1175	50-100	0-100	210.0	305
150.1176	80-120	0-120	220.0	340
150.1177	110-160	0-160	280.0	445

Piston ring pliers

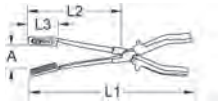
- For the removal and replacement of piston rings
- Suitable for most cars and vans
- Plastic coated handle
- Self closing pliers
- Special steel

	L mm	g
150.1179	221.0	210

IGNITION COILS AND GLOW PLUG PLIERS

Spark plug pliers

- Long, angular gripper sleeves
- Gripping sleeves with milled inner profile
- Long plier arms
- Wide safety margin to the hot assembly
- For extracting low lying spark plugs
- With two component handle
- Chrome vanadium

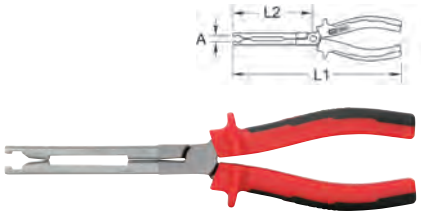


	A mm	L1 mm	L2 mm	L3 mm	g
500.7510	0-80	290.0	145.0	50.0	280

Glow plug pliers

- With two component handle
- Specially milled pliers profile for positive holding
- Suitable for very firmly seated glow plugs
- For the expert installation and removal of glow plugs
- For difficult to access areas
- Special tool steel

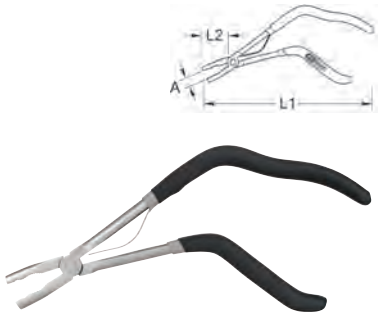
Ideally suitable for glow plugs in the newer diesel engine generation e.g. Mercedes, BMW, VW and Audi.



	A mm	L1 mm	L2 mm	g	
500.7330	0-125	265.0	95.0	400	

Glow plug dismantling pliers

- With rubber handle
- Serrated jaws
- Length wise mounted handle arranged at the plier jaw
- With self opening mechanism
- In order to pull out the glow plugs from the glow plug canal in the cylinder head
- Range also possible to extract incompleted glow plugs
- Optimum power transmission with rotary and train movements
- Special tool steel

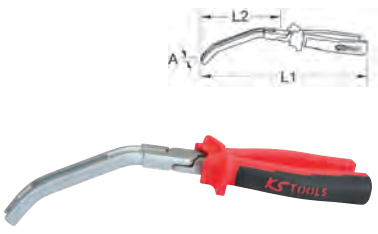


	A mm	L1 mm	L2 mm	g	
500.7335	0-35	260.0	40.0	280	

Glow plug pliers, angled

- With two component handle
- Angled head
- Specially milled plier profile for positive holding
- Suitable for very firmly seated glow plugs
- For the expert installation and removal of glow plugs
- For difficult to access areas
- Special tool steel

Ideally suitable for glow plugs in the newer diesel engine generation e.g. Mercedes, BMW, VW and Audi.

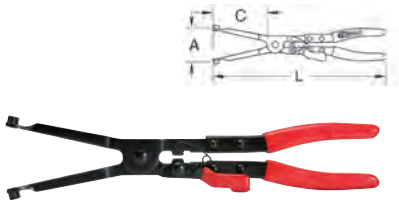


	A mm	L1 mm	L2 mm	g	
500.7310	0-105	235.0	120.0	400	

EXHAUST PLIERS

Exhaust clamp pliers PSA

- With PVC dipped handle
- Includes locking mechanism
- With self opening mechanism
- For the dismantling and assembly of exhaust clamps
- Plier points-guide sleeve prevents slippage
- No tension loss when holding
- Chrome molybdenum



	A mm	C mm	L mm	g	
150.1535	0-55	95.0	310.0	430	

Exhaust rubber unhooking tool

- For removal of rubber exhaust holders
- A 25° angle
- For all common vehicle types
- Plastic coated handle
- Chrome vanadium

	L mm	g	
150.1245	280.0	345	

CIRCUIT STOPPER PLIERS

ALLinONE fluid plug clamp set

- Simple sealing of lines
- Suitable for fuel oil, water and antifreeze lines
- For 4 different line diameters
- Special steel

		Ø mm	A mm	L mm	g	
122.1295	2 pcs	4,75-14	38.0	120.0	120	

consists of:

		g	
122.1296	ALLinONE Fluidstopper	60	
122.1297	Spare part for 122.1295, black	5	

Hose clamp plier set

- For clamping flexible hoses
- For hoses from 15 mm up to 60 mm
- No uncontrolled leaking out of fluids
- Variable adjustment
- With ratchet function
- Plastic

			g	
115.5050	3 pcs	Hose clamp plier set	370	

consists of:

		g	
115.5052	Clamping pliers 150 mm for hoses up to Ø 15 mm	80	
115.5053	Clamping pliers 180 mm for hoses up to Ø 30 mm	130	
115.5054	Clamping pliers 250 mm for hoses up to Ø 60 mm	160	

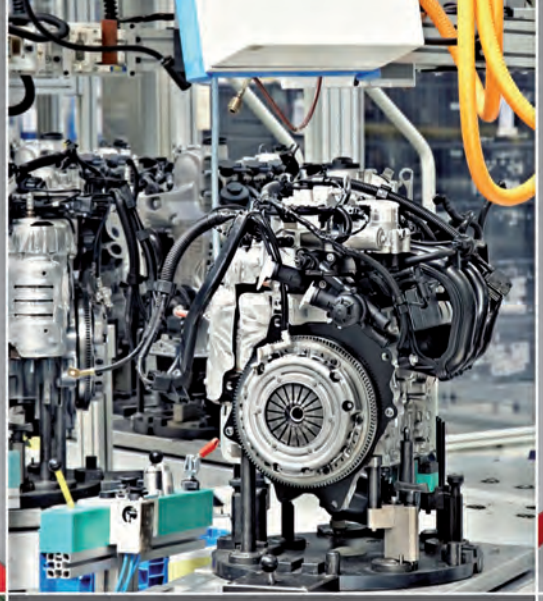
Hose clamp plier set 90°

- For clamping flexible hoses
- For hoses from 15 mm up to 60 mm
- No uncontrolled leaking out of fluids
- Variable adjustment
- With ratchet function
- Plastic

			g	
115.5055	3 pcs	155 - 165 - 225 mm	370	

consists of:

		g	
115.5057	Clamping plier 90°, 155mm	55	
115.5058	Clamping plier 90°, 165mm	95	
115.5059	Clamping plier 90°, 225mm	130	



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