

20

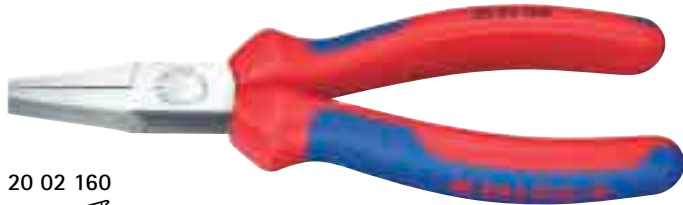
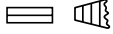
20 Flat Nose Pliers

DIN ISO 5745

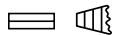
- › short, flat jaws
- › serrated gripping surfaces
- › special tool steel, oil-hardened and tempered



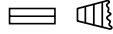
20 01 160



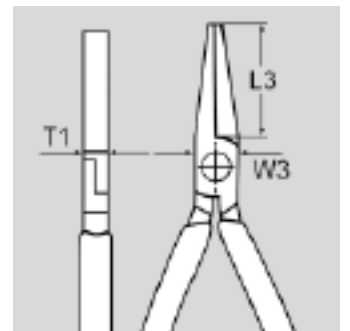
20 02 160



20 06 160



Part No.	Length mm	Head	Handles	Dimensions			Weight g
				L3 mm	W3 mm	T1 mm	
20 01	125	polished	plastic coated	27.0	14.5	8.0	80
	140			28.0	15.5	9.5	110
	160			30.0	17.0	9.5	140
	180			35.0	19.0	10.0	190
	200			38.0	21.0	12.0	275
20 02	140	polished	with two-colour dual component handles	28.0	15.5	9.5	145
	160			30.0	17.0	9.5	170
20 06	160	chrome plated	insulated with two-colour dual component handles ⚡ 1000 V ⚡ VDE-tested	30.0	17.0	9.5	175



22

22 Round Nose Pliers

DIN ISO 5745

- › for forming wire loops
- › precision ground, short, round jaws
- › smooth tips
- › special tool steel, oil-hardened and tempered



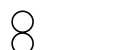
22 01 160



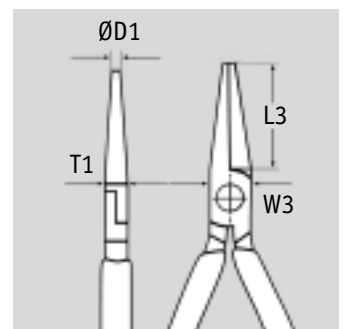
22 02 160



22 06 160

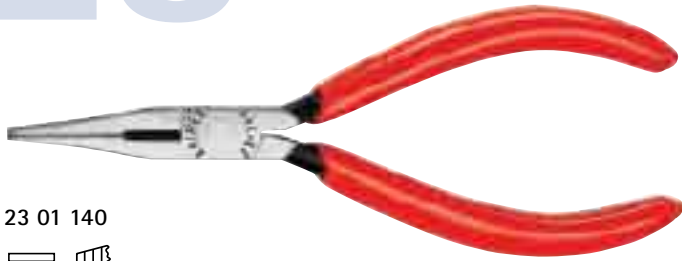


Part No.	Length mm	Head	Handles	Dimensions				Weight g
				L3 mm	W3 mm	D1 Ø mm	T1 mm	
22 01	125	polished	plastic coated	27.0	14.5	2.0	8.0	70
	140			28.0	16.5	2.5	9.5	100
	160			30.0	18.0	3.0	9.5	140
	180			35.0	21.0	3.5	10.5	180
22 02	140	polished	with two-colour dual component handles	28.0	16.5	2.5	9.5	135
	160			30.0	18.0	3.0	9.5	165
22 06	160	chrome plated	insulated with two-colour dual component handles ⚡ 1000 V ⚡ VDE-tested	30.0	18.0	3.0	9.5	170

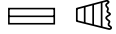


23

23 Flat Nose Pliers, with cutting edges, Precision Mechanics Pliers

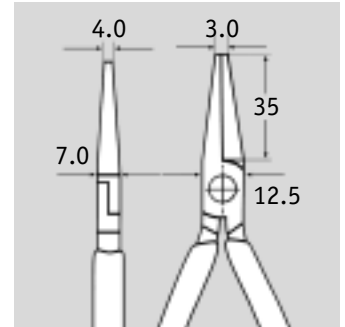


23 01 140



- › suitable for gripping and cutting work in precision mechanics
- › long, tapering jaws
- › serrated gripping surfaces
- › with cutting edges for soft wire 2.5 mm dia. and medium hard wire 1.6 mm dia.

- › cutting edges additionally induction hardened, cutting edge hardness approx. 60 HRC
- › high grade special tool steel, oil-hardened and tempered



Part No.	Head	Handles	Weight
23 01 140	polished	plastic coated	65 g

25

25 Snipe Nose Side Cutting Pliers, Radio Pliers

DIN ISO 5745

- › suitable for gripping and cutting work in precision mechanics
- › pointed, half-round jaws
- › serrated gripping surfaces
- › with cutting edges for medium hard wire and hard wire
- › cutting edges additionally induction hardened, cutting edge hardness approx. 61 HRC
- › high grade special tool steel, oil-hardened and tempered



25 01 160



Style 0: straight jaws



25 02 160



Style 0: straight jaws

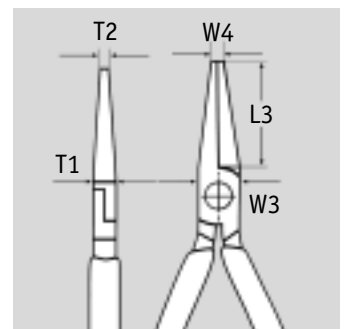


25 06 160



Style 0: straight jaws

Part No.	Head	Handles	Cutting capacity		Dimensions					Weight
			Ø mm	Ø mm	L3	W3	T1	W4	T2	
25 01	polished	plastic coated	2.2	1.6	27.0	13.0	7.0	2.5	1.8	70
			2.5	1.6	42.0	15.0	8.0	2.5	2.0	90
			2.5	1.6	50.0	16.5	9.5	3.0	2.5	115
25 02	polished	with two-colour dual component handles	2.5	1.6	42.0	15.0	8.0	2.5	2.0	110
			2.5	1.6	50.0	16.5	9.5	3.0	2.5	145
25 06	chrome plated	insulated with two-colour dual component handles	2.5	1.6	50.0	16.5	9.5	3.0	2.5	150



26

26 Snipe Nose Side Cutting Pliers, Stork Beak Pliers

DIN ISO 5745

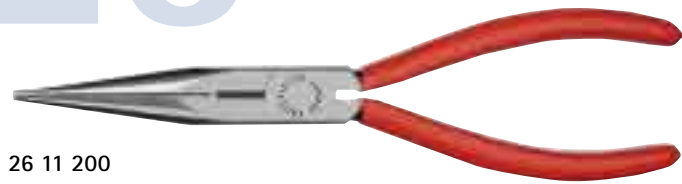
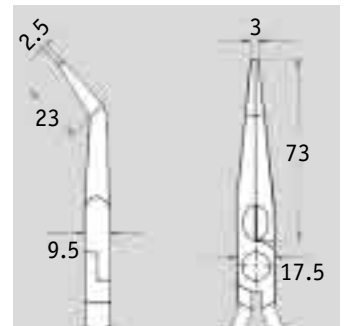
- › high loadable, elastic precision points
- › half-round, long jaws
- › serrated gripping surfaces
- › with cutting edges for medium hard wire max. dia. 3.2 mm and hard wire max. dia. 2.2 mm
- › cutting edges additionally induction hardened, cutting edge hardness approx. 61 HRC
- › vanadium steel, oil-hardened and tempered

special

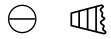
KNIPEX Snipe Nose Side Cutting Pliers (Stork Beak Pliers) are forged from vanadium steel and carefully hardened. The slim precision tips withstand high demands, particularly bending loads.



High loadable elastic precision tips



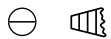
26 11 200



Style 1: straight jaws



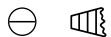
26 12 200



Style 1: straight jaws



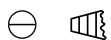
26 16 200



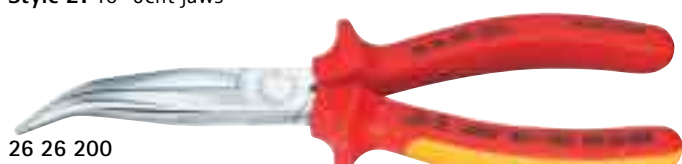
Style 1: straight jaws



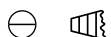
26 22 200



Style 2: 40° bent jaws



26 26 200



Style 2: 40° bent jaws

Part No.	Style	Head	Handles	Cutting capacity		Weight
				Length mm	mm	
26 11 200	1	polished	plastic coated	3.2	2.2	170
26 12 200		polished	with two-colour dual component handles	3.2	2.2	200
26 15 200		chrome plated	with two-colour dual component handles	3.2	2.2	200
26 16 200		chrome plated	insulated with two-colour dual component handles ▲ 1000 V ▲ VDE-tested	3.2	2.2	205
26 21 200	2 ∠40°	polished	plastic coated	3.2	2.2	170
26 22 200		polished	with two-colour dual component handles	3.2	2.2	200
26 26 200		chrome plated	insulated with two-colour dual component handles ▲ 1000 V ▲ VDE-tested	3.2	2.2	205

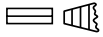
28 Assembly Pliers

DIN ISO 5745

- › specially suitable for gripping, adjusting and assembly work with a higher prehensile power
- › serrated gripping surfaces
- › special tool steel, oil-hardened and tempered

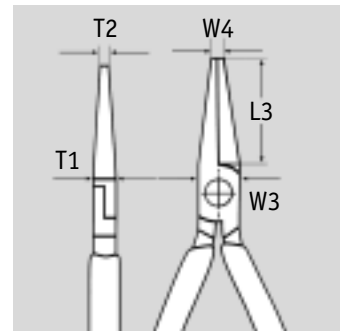


28 01 200



Style 0: flat, wide jaws

Part No.	Head	Handles	Dimensions					Weight	
			Length	L3	W3	T1	W4		T2
			mm	mm	mm	mm	mm	mm	g
28 01	200	polished	plastic coated	33.0	13.5	10.5	4.0	10.5	200



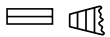
30 Long Nose Pliers without side cutter

DIN ISO 5745

- › heavy duty and wear resisting
- › different jaw styles
- › chrome vanadium electric steel, oil-hardened and tempered



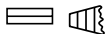
30 11 160



Style 1: long trapezoidal jaws, gripping surfaces serrated



30 16 160



Style 1: long trapezoidal jaws, gripping surfaces serrated

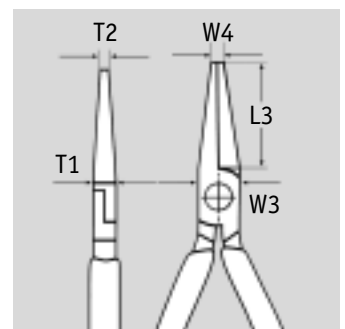


30 36 160



Style 3: long round jaws, gripping surfaces smooth

Part No.	Style	Head	Handles	Dimensions					Weight	
				Length	L3	W3	T1	W4		T2
				mm	mm	mm	mm	mm	mm	g
30 11	1	polished	plastic coated	140	42.0	15.0	8.0	2.5	4.0	90
160				46.5	16.5	9.5	3.0	5.0	120	
190				50.0	18.5	8.0	3.0	7.0	140	
30 16	1	chrome plated	insulated with two-colour dual component handles ▲ 1000 V ▲ VDE-tested	160	46.5	16.5	9.5	3.0	5.0	155
30 31				3	polished	plastic coated	140	37.5	15.0	8.0
30 36	3	chrome plated	insulated with two-colour dual component handles ▲ 1000 V ▲ VDE-tested				160	41.0	16.5	9.5

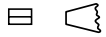


31

31 Grab Pliers, Needle Nose Pliers



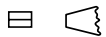
31 11 160



Style 1: straight jaws



31 21 160

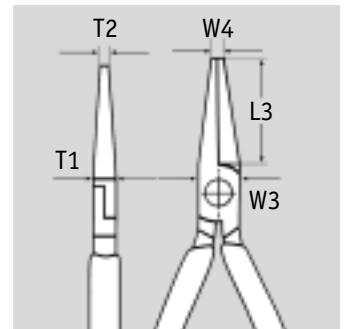


Style 2: 45° bent jaws

- precision pliers for very exact assembly, bending and adjusting work
- with extra long jaws: length of jaws 55.0 mm
- smooth ground gripping surfaces
- edges carefully deburred
- chrome vanadium electric steel, oil-hardened and tempered

Style 1: straight jaws

Style 2: 45° bent jaws

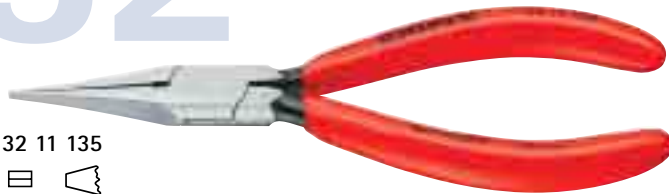


Part No.	Style	Head	Handles	Dimensions					Weight
				L3	W3	T1	W4	T2	
31 11 160	1	polished	plastic coated	55.0	15.0	7.5	2.0	2.5	100
31 21 160	2	polished	plastic coated	55.0	15.0	7.5	2.0	2.5	100

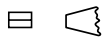
32

32 Relay Adjusting Pliers

DIN 5235



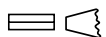
32 11 135



Style 1: flat, concave and pointed jaws



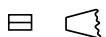
32 21 135



Style 2: flat, wide jaws

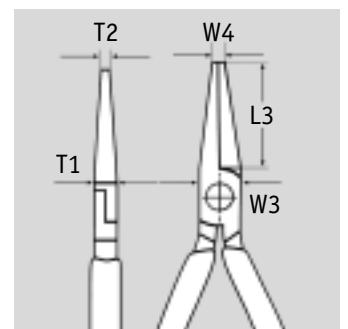


32 31 135



Style 3: 40° bent, flat, concave and trapezoidal jaws

- for gripping components and wires of the smallest diameters and for bending contact and relay springs
- polished gripping surfaces
- edges carefully deburred
- chrome vanadium electric steel, oil-hardened and tempered

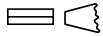


Part No.	Style	Head	Handles	Dimensions					Weight
				L3	W3	T1	W4	T2	
32 11 135	1	polished	plastic coated	34.0	12.5	7.0	1.4	1.5	75
32 21 135	2	polished	plastic coated	34.0	12.5	7.0	1.4	3.5	75
32 31 135	3	polished	plastic coated	32.0	12.5	7.0	1.4	3.5	75

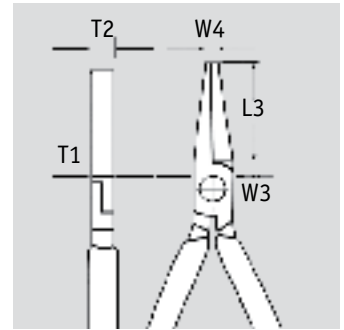
33 Duckbill Pliers



33 01 160



- › duckbill shaped jaws 9 mm wide at the tip and tapering to 1.5 mm thickness
- › smooth gripping surfaces
- › chrome vanadium electric steel, oil-hardened and tempered

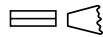


Part No.	Head	Handles	Dimensions					Weight
			L3	W3	T1	W4	T2	
33 01 160	polished	plastic coated	55.0	15.0	7.5	3.0	9.0	110

34 Precision Electronics Gripping Pliers, with ground screw joint



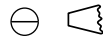
34 12 130



Style 1: flat wide jaws



34 22 130



Style 2: half-round jaws



34 32 130



Style 3: round, pointed jaws

- › the assortment for highest standard of performance and results
- › precision pliers for ultra fine assembly work, e.g. in electronics and fine mechanics
- › for gripping, holding and bending
- › joint with screw: precise, zero-backlash operation of pliers
- › precisely finished joint surfaces for smooth, low friction movement along the complete opening range
- › low-friction double spring for gentle and even opening
- › smooth ground gripping surfaces, edges carefully deburred
- › non-reflective finish
- › low weight
- › ergonomically shaped, two-colour dual component handles; blue/grey
- › high quality ball bearing steel, forged



KNIPEX special

In the design of KNIPEX Electronics Pliers for gripping and cutting ergonomic criteria have been given particular attention. The ergonomics of the two colour dual component handles were optimised to suit the motion sequence during precision work. The shape and material chosen allow a secure grip and fatigue reduced work. The strain on the hand is distributed over a larger surface and reduces pressure accordingly. The user still retains the sense for the work on the workpiece.







34 12 130 location of electronic components in a vertical direction

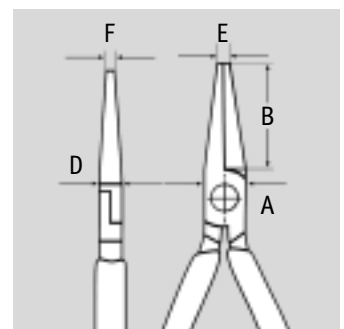


34 22 130 positioning of components in electronics



34 22 130 half-round tips for bending and forming

Part No.	Style	all pliers with 	Dimensions					Length	Weight
			B	A	D	E	F		
34 12 130	1		19.0	11.0	6.5	1.5	3.5	135	60
34 22 130	2		19.0	11.0	6.5	1.5	1.5	135	60
34 32 130	3		21.0	11.0	6.5	2.0	1.0	135	60



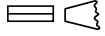
35 Electronics Pliers



DIN ISO 9655



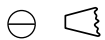
35 11 115



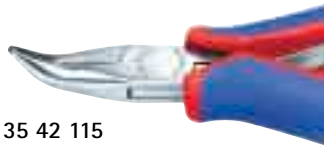
Style 1: flat wide jaws



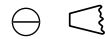
35 22 115



Style 2: half-round jaws



35 42 115



Style 4: 45° bent, half-round jaws



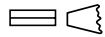
35 62 145



Style 6: half-round, long jaws



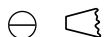
35 52 145



Style 5: long, trapezoidal jaws



35 82 145



Style 8: 45° bent, half-round long jaws

- › precision pliers for ultra fine assembly work, e.g. in electronics and fine mechanics
- › for gripping, holding and bending
- › precision box joint
- › smooth ground gripping surfaces
- › edges carefully deburred
- › low-friction double spring – for gentle and even opening
- › the polish or mirror polish (only finish 2) together with a fine film of oil offer the best possible rust protection – no circuit faults caused by peeling chrome from plated tools
- › special tool steel, oil-hardened and tempered

Finish 1

(4th digit of the Part No.):

- › head polished, plastic coated handles

Finish 2

(4th digit of the Part No.):

- › head mirror polished, two colour dual component handles red/blue

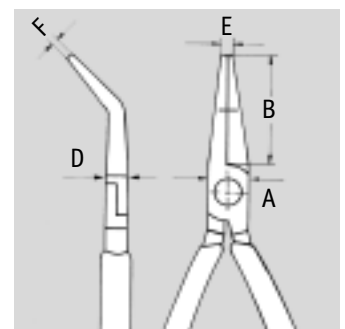
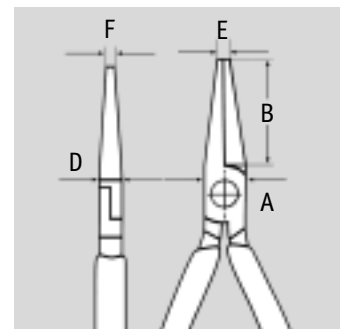
KNIPEX special

In the design of KNIPEX Electronics Pliers for gripping and cutting, ergonomic criteria have been given particular attention. The result is a comfortable and user friendly adaption of the plier to the human hand.



00 20 16

Part No.	Style	Head	Handles	Dimensions					Weight	
				Length mm	B mm	A mm	D mm	E mm		F mm
35 11 115	1	polished	plastic coated	115	22.5	9.5	6.5	2.0	4.0	60
35 22 115	2	mirror polished	with two colour dual component handles	115	22.5	9.5	6.5	2.0	1.5	70
35 31 115	3	polished	plastic coated	115	22.5	9.5	6.5	2.0	1.0	50
35 42 115	4	mirror polished	with two colour dual component handles	115	22.5	9.5	6.5	2.0	1.5	75
35 52 145	5 long jaws	mirror polished	with two colour dual component handles	145	40.0	12.0	7.5	1.5	4.0	105
35 62 145	6 long jaws	mirror polished	with two colour dual component handles	145	40.0	12.0	7.5	2.5	1.5	95
35 82 145	8 long jaws	mirror polished	with two colour dual handles	145	35.0	12.0	7.5	2.5	1.0	95

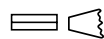


35

35 Electronics Pliers ESD



35 12 115 ESD



Style 1: flat wide jaws



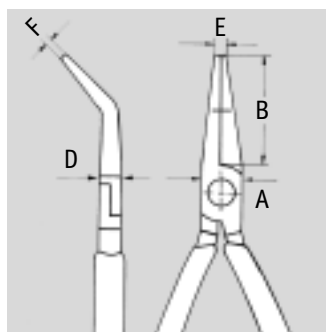
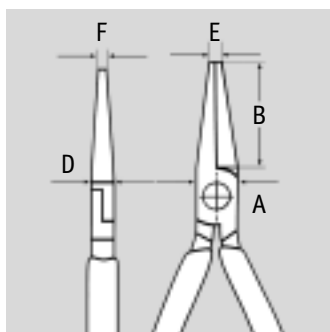
35 22 115 ESD



Style 2: half-round jaws



00 20 17



- › precision pliers for ultra fine assembly work, e.g. in electronics and fine mechanics
- › for gripping, holding and bending
- › electrically discharging version dissipative
- › precision box joint
- › smooth ground gripping surfaces
- › edges carefully deburred
- › low-friction double spring - for gentle and even opening
- › the mirror polish together with a fine film of oil offer the best possible rust protection - no circuit faults caused by peeling chrome from plated tools
- › two-colour dual component handles black/grey
- › special tool steel, oil-hardened and tempered

KNIPEX special

In the design of KNIPEX Electronics Pliers for gripping and cutting, ergonomic criteria have been given particular attention. The result is a comfortable and user friendly adaption of the plier to the human hand.



ESD

When using pliers on components endangered by electrostatic discharge (ESDS - electro static discharge sensitive devices) relevant regulations and standards (e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472) require a controlled discharge of electric energy through the handles of such pliers. The KNIPEX Electronics Pliers in ESD version discharge the electrostatic energy correspondingly slowly and controlled to protect endangered components.

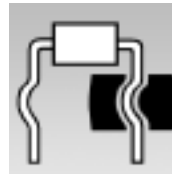
Part No.	Length mm	Style	Head	Handles	Dimensions					Weight g
					B	A	D	E	F	
35 12 115 ESD		1	mirror polished	with two colour dual component handles	22.5	9.5	6.5	2.0	4.0	75
35 22 115 ESD		2	mirror polished	with two colour dual component handles	22.5	9.5	6.5	2.0	1.5	70

36

36 Electronics Mounting Pliers



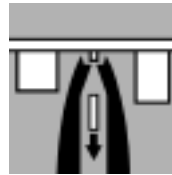
36 12 130



Model 36 12 130:
to bend wire in shape for the distance to the plate

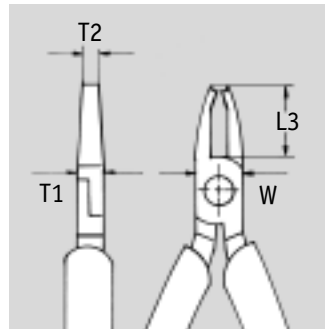
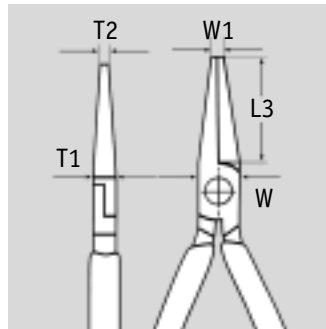


36 42 125



Model 36 42 125:
to cut wire at 1.3mm length below the plate

- › precision pliers for ultra fine assembly work, e.g. in electronics and fine mechanics
- › for bending and cutting wire ends
- › precision box joint
- › smooth ground gripping surfaces
- › edges carefully deburred
- › low-friction double spring - for gentle and even opening
- › the mirror polish together with a fine film of oil offer the best possible rust protection - no circuit faults caused by peeling chrome from plated tools
- › with two-colour dual component handles red/blue
- › special tool steel, oil-hardened and tempered



Part No.	Length	Head	Style	Dimensions						Weight
				L3	W	T1	W1	T2	mm	
36 12	130	mirror polished	to bend wire shape	23.0	12.0	7.5	5.5	6.0	-	80
36 42	125	mirror polished	to cut wire, distance 1.3mm	18.0	11.5	7.5	-	4.0	1.2	100

38 Mechanics Pliers

DIN ISO 5745

- ▶ high bending strength of the plier jaws / tips
- ▶ vanadium electric steel, oil-hardened and tempered



Angled jaws for easy access to confined areas



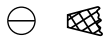
38 11 200



Style 1: straight half-round jaws



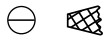
38 15 200



Style 1: straight half-round jaws



38 31 200



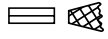
Style 3: cranked, half-round jaws



Specially shaped jaws for easy gripping of spark plugs



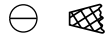
38 41 190



Style 4: flat, wide jaws



38 71 200



Style 7: 70° bent, half-round jaws, suitable for pulling split pins. For gripping tasks in confined areas.

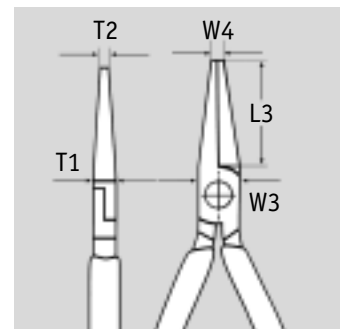


38 91 200



Style 9: 45° bent, half-round, long jaws, also suitable for gripping spark plugs and round components (spark plug cover 'grabber')

Part No.	Length mm	Style	Head	Handles	Dimensions					Weight g
					L3 mm	W3 mm	T1 mm	W4 mm	T2 mm	
38 11 200	200	1	polished	plastic coated	73.0	17.5	9.5	3.0	2.5	180
38 15 200	200	1	chrome plated	with two colour dual component handles	73.0	17.5	9.5	3.0	2.5	210
38 31 200	200	3	polished	plastic coated	73.0	17.5	9.5	3.0	2.5	175
38 41 190	190	4	polished	plastic coated	50.0	18.0	8.0	2.0	8.0	140
38 71 200	200	7	polished	plastic coated	73.0	17.5	9.5	3.0	2.0	175
38 91 200	200	9	polished	plastic coated	73.0	17.5	9.5	-	2.5	180



41

Grip Pliers



41 04 250

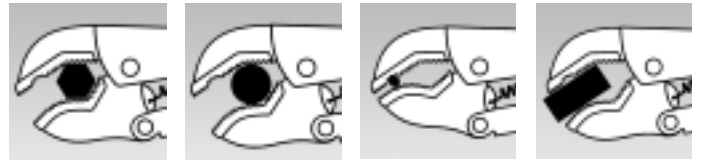
Style 0: jaws for round workpieces, with wire cutter

- › holds round, section and flat material securely
- › heavy duty model
- › with adjustment screw and release lever
- › one-hand operation
- › high clamping pressure due to toggle lever action
- › plier body: high strength spring steel
- › inserted jaws made from chrome vanadium steel, drop forged



41 14 250

Style 1: jaws with double prism for round, section and flat material






Example: 41 14 250



41 34 165

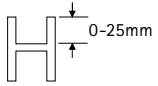
Style 3: Long-Nose Grip Pliers, narrow, long jaws

Part No.	Length mm	Style	Head	Handles	Clamping width			Weight g
					 mm	 mm	 mm	
41 04 180	250	0	nickel plated	nickel plated	8-30	20	6-24	360
41 04 250			nickel plated	nickel plated	8-40	20	8-30	530
41 14 250	250	1	nickel plated	nickel plated	36	36	13-36	560
41 34 165	165	3	nickel plated	nickel plated	6.5-30	10	6-24	200

42 Welding Grip Pliers



42 14 280



- › for gripping and clamping round, section and flat material
- › heavy duty model
- › with adjustment screw and release lever

- › one-hand operation
- › high clamping pressure due to toggle lever action
- › plier body: high strength spring steel

Model 42 14 280:

- › heat resistant crucible cast steel jaws
- › section or flat material items lying side by side are held securely during welding
- › also for section material with vertical webs up to 25 wmm high

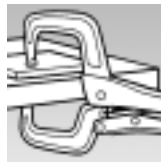


Secure fixing of metal section material for welding



Model 42 24 280:

- › heat resistant crucible cast steel jaws
- › round or tubular material items lying centrally side by side are held securely during welding



Model 42 34 280:

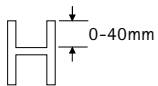
- › gripping jaws of chrome vanadium steel, drop forged
- › clamps cumbersome workpieces and sections with high webs up to 40 mm



42 24 280



42 34 280



Part No.	Head	Handles	Clamping width		Weight g
			Length mm	mm	
42 14 280	nickel plated	nickel plated	30-65	51	915
42 24 280	nickel plated	nickel plated	10-85	-	860
42 34 280	nickel plated	nickel plated	-	90	700

45 Special Retaining Ring Pliers (shafts)



45 10 170



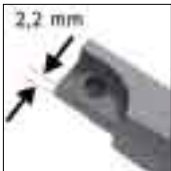
Model 45 10 170:

- › for retaining rings with a minimum ring split gap of 3.6 mm

- › for fitting horseshoe-shaped spring retaining rings and circlips without grip holes
- › for shaft retaining devices
- › with opening spring
- › forged
- › chrome vanadium steel, oil-hardened and tempered



45 21 200



Model 45 21 200:

- › angled jaws with centring hole
- › for retaining rings according to standard from 12.0 mm dia., e.g. for securing drive shaft in the gearbox of a motor vehicle
- › minimum ring split gap of the rings 2.2 mm



45 21 200 tips with centre holes for secure fit of the retaining ring

Part No.	Length mm	Style	Head	Handles	Weight g
45 10 170			burnished	burnished	155
45 21 200			burnished	plastic coated	190

44 Internal Circlip Pliers (bore holes)



DIN 5256 C (straight)
DIN 5256 D (bent)

- for fitting internal circlips in bore holes from 8 - 400 mm dia.
- solid style, forged
- non-slip, solid tips
- chrome vanadium electric steel, oil-hardened and tempered



Easy fitting of internal circlips

44 11 J2

Style 1: straight tips



44 21 J21

Style 2: 90° bent tips



44 10 J6

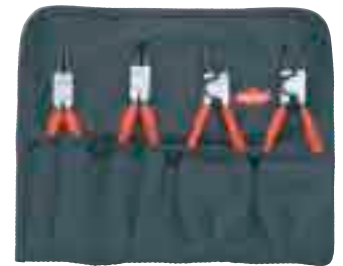


Models 44 10 and 44 20:

- for rings from 122 - 400 mm dia.
- with locking device, can be released
- with replaceable tips made of tempered steel
- handles black powder coated

44 31 J22

Style 3: 45° bent tips



00 19 56

Part No.	Size	Style	Head	Handles	Size of bore	Weight	
						Length mm	g
44 11	J0	1	polished	plastic coated	8-13	140	90
	J1				12-25	140	90
	J2				19-60	180	140
	J3				40-100	225	200
	J4				85-140	320	465
44 10	J5	straight	black powder coated	black, powder coated	122-300	570	1710
	J6				252-400	580	1730
44 19	J5				spare tips (44 10 J5)		
	J6				spare tips (44 10 J6)		
44 21	J01	2	polished	plastic coated	8-13	130	90
	J11				12-25	130	90
	J21				19-60	170	140
	J31				40-100	215	205
	J41				85-140	300	480
44 20	J51	90°	black powder coated	black powder coated	122-300	590	1980
	J61				252-400	600	1990
44 29	J51				spare tips (44 20 J51)		
	J61				spare tips (44 20 J61)		
44 31	J02	3	polished	plastic coated	8-13	140	90
	J12				12-25	140	90
	J22				19-60	180	140
	J32				40-100	225	195
	J42				85-140	310	465



Loosen tight circlips before removing these.

Only use circlip pliers for the specified diameter range.

We recommend wearing safety goggles when working with these pliers.

46

46 External Circlip Pliers (shafts)



DIN 5254 A (straight)
DIN 5254 B (bent)

- › for fitting external circlips on shafts from 3 - 400 mm dia.
- › solid style, forged
- › non-slip, solid tips
- › chrome vanadium electric steel, oil-hardened and tempered



Easy fitting of external circlips

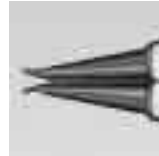
46 11 A2

Style 1: straight tips



46 21 A21

Style 2: 90° bent tips



46 10 A5

46 31 A22

Style 3: 45° bent tips



Models 46 10 and 46 20:

- › for rings from 122 - 400 mm dia.
- › with locking device, can be released
- › without opening spring
- › with replaceable tips made of tempered steel
- › handles black powder coated



00 19 56

Part No.	Style	Head	Handles	Size of shaft		Weight	
				Ø mm	Length mm	g	
46 11	1	polished	plastic coated	3-10	140	85	
				10-25	140	85	
				19-60	180	140	
				40-100	210	215	
				85-140	320	530	
46 10	A5	black powder coated	black powder coated	122-300	560	2020	
				252-400	570	2030	
46 19	A5	straight		spare tips (46 10 A5)			
	A6			spare tips (46 10 A6)			
46 21	2	polished	plastic coated	3-10	125	85	
				10-25	125	85	
				19-60	170	135	
				40-100	200	215	
				85-140	300	515	
46 20	A51	black powder coated	black powder coated	122-300	570	1810	
				252-400	580	1820	
46 29	A51	90°		spare tips (46 20 A51)			
	A61			spare tips (46 20 A61)			
46 31	3	polished	plastic coated	3-10	130	85	
				10-25	130	85	
				19-60	185	133	
				40-100	210	213	
				85-140	310	511	



Loosen tight circlips before removing these.

Only use circlip pliers for the specified diameter range.

We recommend wearing safety goggles when working with these pliers.

48 Precision Internal Circlip Pliers (bore holes)



DIN 5256 C (straight)
DIN 5256 D (bent)

- › for fitting circlips on bore holes, range of application from 8 - 140 mm dia.
- › inserted tips of high density drawn spring wire
- › heavy duty under continuous use; up to 10 times longer service life
- › precise, smoothly-operating screw joint
- › forged
- › large contact faces on the tips: no distortion of circlips, easy fitting
- › slim head style allows use in confined areas
- › handles with non-slip plastic coating
- › chrome vanadium electric steel

48 11 J2

Style 1: straight tips



48 21 J21

Style 2: 90° bent tips

KNIPEX special

The new KNIPEX Precision Circlip Pliers meet the highest requirements. Positive locked high density spring wire tips offer 10 times longer service life compared with conventional circlip pliers and high stability when loosening tight circlips. Circlips are held securely thanks to the large contact faces of the tips.



00 19 57



Sturdy, inserted tips: made from high density drawn spring wire



Circlips are held securely: large contact faces and the position of the tips make it difficult for the circlip to bounce off



Slim head style: allows use in confined areas



Screw joint: high precision and optimum drive

Part No. Size	Style	Head	Handles	Size of bore			Weight g
				Ø mm	Tips Ø mm	Length mm	
48 11	J0	grey atramentized	with non-slip plastic coating	8-13	0.9	140	100
	J1			12-25	1.25	140	100
	J2			19-60	1.80	180	180
	J3			40-100	2.25	225	260
	J4			85-140	2.30	320	580
48 21	J01	grey atramentized	with non-slip plastic coating	8-13	0.9	130	100
	J11			12-25	1.25	130	100
	J21			19-60	1.80	165	180
	J31			40-100	2.25	210	260
	J41			85-140	3.20	305	580



Loosen tight circlips before removing these.

Only use circlip pliers for the specified diameter range.

We recommend wearing safety goggles when working with these pliers.

49

49 Precision External Circlip Pliers (shafts)



DIN 5254 A (straight)
DIN 5254 B (bent)



49 11 A2

Style 1: straight tips



49 21 A21

Style 2: 90° bent tips

- › for fitting circlips on shafts, range of application from 3 - 140 mm dia.
- › inserted tips of high density drawn spring wire
- › heavy duty under continuous use; up to 10 times longer service life
- › precise, smoothly-operating screw joint
- › forged
- › large contact faces on the tips: no distortion of circlips, easy fitting
- › slim head style allows use in confined areas
- › protected captive spring in the joint
- › handles with non-slip plastic coating
- › chrome vanadium electric steel

KNIPLEX special

The new KNIPLEX Precision Circlip Pliers meet the highest requirements. Positive locked high density spring wire tips offer 10 times longer service life compared with conventional circlip pliers and high stability when loosening tight circlips. Circlips are held securely thanks to the large contact faces of the tips. The large contact areas as well as the position of the tips ensure fitting without distortion and make it difficult for the circlip to bounce off. The opening spring is protected inside the screw joint.



Spring inside the joint: the spring is protected inside the precision screw joint. It does not hinder work and can't get dirty or lost



KNIPLEX Precision Circlip Pliers: fit circlips without distortion; easy and quick assembling



Conventional Circlip Pliers: distortion of the circlip when being fitted is possible



Heavy duty tips: optimum stability when loosening tight circlips

Part No.	Size	Style	Head	Handles	Size of shaft		Weight
					Ø mm	Length mm	
49 11	A0	1	grey atramentized	with non-slip plastic coating	3-10	0.9	140
	A1	10-25			1.25	140	
	A2	19-60			1.80	180	
	A3	40-100			2.25	225	
	A4	85-140			3.20	320	
49 21	A01	2	grey atramentized	with non-slip plastic coating	3-10	0.9	130
	A11	10-25			1.25	130	
	A21	19-60			1.80	165	
	A31	40-100			2.25	210	
	A41	85-140			2.80	305	



00 19 57