Precision Circlip Pliers

to assemble external circlips on shafts

49 11 A2

49 31 A1
DIN 5254 A; straight tips

49 21 A21
90°

Style 2
DIN 5254 B; 90° angled tips

KNIPEX-Circlip Pliers with overexpansion guard
For the standardised fitting of circlips in the industrial serial production. Particularly manufacturers of sensitive, safety-relevant components (e.g. brakes or gears) higly appreciate the compliance of DIN 471 and 472. The mounting of circlip rings in this case requires pliers with overexpansion guard or a cone.
KNIPEX Circlip Pliers with overexpansion guard meet the requirements and furthermore offer a superior durability.

With inserted tips for reliable work

Heavy duty in continuous operation: up to 10 times longer service life compared to turned tips

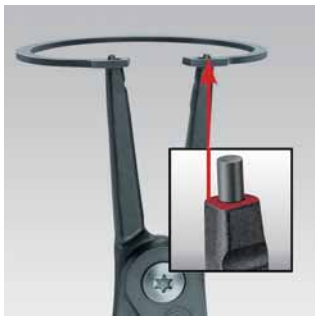
- large contact faces on the tips: no distortion of circlips, easy fitting
- bolted joint: precise, zero backlash operation of pliers
- internal opening spring, protected and captive
- non-slip plastic coating on the handles
- Pliers body: chrome vanadium electric steel, forged, oil-hardened
- Inserted tips: spring steel wire, drawn

49 31 A0 / A1 / A2 / 49 41 A01
with overexpansion guard (adjustable using end stop); adjustment using Allen screw; ideal for series production as excessive expansion of rings is effectively prevented

Style 3
DIN 5254 A; straight tips; with overexpansion guard

Style 4
DIN 5254 B; 90° angled tips; with overexpansion guard

Spring inside the joint: the spring is protected inside the precisely bolted joint. It does not hinder work and cannot get dirty or lost.



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

Bolted joint: high precision and smooth action

Conventional Circlip Pliers: distortion of the circlip when widening the circlip

Article No.	EAN 4003773-	↔ mm		Style	Pliers	Handles	Size of shaft Ø mm	Tips Ø mm	⚖ g
49 11 A0	048718	140					3 - 10	0.9	101
49 11 A1	048725	140					10 - 25	1.3	100
49 11 A2	048732	180		1	grey atramentized	with non-slip plastic coating	19 - 60	1.8	170
49 11 A3	048749	225					40 - 100	2.3	270
49 11 A4	048756	320					85 - 140	3.2	599
49 21 A01	048817	130					3 - 10	0.9	100
49 21 A11	048824	130					10 - 25	1.3	102
49 21 A21	048831	165	90°	2	grey atramentized	with non-slip plastic coating	19 - 60	1.8	169
49 21 A31	048848	210					40 - 100	2.3	272
49 21 A41	048855	305					85 - 140	3.2	601
49 31 A0	061748	140					3 - 10	0.9	103
49 31 A1	073895	140		3	grey atramentized	with non-slip plastic coating	10 - 25	1.3	100
49 31 A2	073901	180					19 - 60	1.8	170
49 41 A01	061755	130	90°	4	grey atramentized	with non-slip plastic coating	3 - 10	0.9	102