

The models at a glance

Precision internal Circlip Pliers



Article-No.	EAN-Code 4003773-	Style	Size of bore Ø mm	Length mm	Weight g
48 11 J0	048510		8 - 13	140	100
48 11 J1	048527		12 - 25	140	100
48 11 J2	048534		19 - 60	180	180
48 11 J3	048541		40 - 100	225	260
48 11 J4	048558		85 - 140	320	580
48 21 J01	048619		8 - 13	130	100
48 21 J11	048633		12 - 25	130	100
48 21 J21	048640		19 - 60	165	180
48 21 J31	048657		40 - 100	210	260
48 21 J41	048664		85 - 140	305	580

Precision external Circlip Pliers



Article-No.	EAN-Code 4003773-	Style	Size of shaft Ø mm	Length mm	Weight g
49 11 A0	048718		3 - 10	140	100
49 11 A1	048725		10 - 25	140	100
49 11 A2	048732		19 - 60	180	180
49 11 A3	048749		40 - 100	225	260
49 11 A4	048756		with Spring	85 - 140	320
49 21 A01	048817		3 - 10	130	100
49 21 A11	048824		10 - 25	130	100
49 21 A21	048831		19 - 60	165	180
49 21 A31	048848		40 - 100	210	260
49 21 A41	048855		with Spring	85 - 140	305

- ▶ large contact faces on the tips: no distortion of circlips, easy fitting
- ▶ inserted tips of highly condensed spring steel, free of flutes. Heavy duty under continuous use; captive
- ▶ precise – smoothly-operating – screw joint
- ▶ slim head for optimum access on workpiece
- ▶ Material: chrome vanadium electric steel, forged
- ▶ a-temperized head, non-slip plastic coated handles
- ▶ Style 2: with 90° angled tips
- ▶ External Circlip Pliers model 49: captive opening spring inside the joint



New

Top-quality tips!

- Fitting without distortion
- 10 times longer service life
- Captive spring in precision screw joint (for external circlip pliers)

Precision circlip pliers with inserted tips.

Precision Circlip Pliers

The new generation of pliers combines the advantages of the stability of hotforged pliers with the endurance of the cold-drawn, highly condensed spring steel tips.



- Inserted tips of highly condensed spring steel with fluteless surfaces. Unlike turned or milled tips, the risk of fracture is very small.
- 30% higher endurance.
- Up to 10 times longer service life than conventional circlip pliers, with turned tips of the same material as the body of the plier.

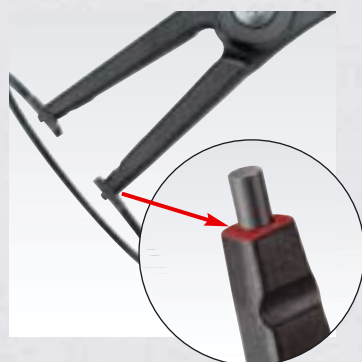
- Spring inside the joint: The spring is protected inside the precision screw joint. It doesn't hinder work and can't get dirty or lost.



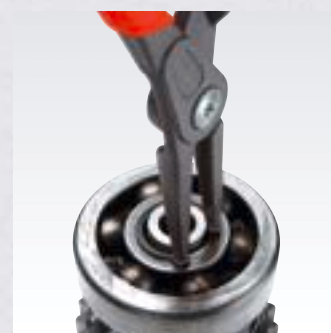
Fit circlips without distortion: easy and quick to assemble.



The slim head style allows use in confined areas.



Circlips are held securely thanks to the large contact faces of the tips. The position of the tips also makes it difficult for the circlip to bounce off.



Inserted tips of highly condensed spring steel offer optimum stability when loosening tightly fitted circlips.



Captive tips: form-fitting attachment due to contact pressure.



Screw joint: high precision and optimum drive.