

Precision Circlip Pliers

to assemble internal circlips into bores



48 11 J2
 



48 21 J21
 $\angle 90^\circ$ 

Circlip Pliers Sets
see page 69



Slim head shape



Tiptop quality

Easy and reliable assembly: form-fitting inserted and pressed-in tips made of high-density spring steel offer a high level of protection against excessive stress and strain, e.g. when removing stuck rings. The large supporting surfaces and the position of the tips make it more difficult for the rings to bounce off.

With inserted tips for reliable work

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

- bolted joint: precise, zero backlash operation of pliers
- non-slip plastic coating on the handles
- Pliers body: chrome vanadium electric steel, forged, oil-hardened
- Inserted tips: spring steel wire, drawn

48 31 J1 / 48 31 J2
with overexpansion guard
(adjustable using end stop)

Style 1
DIN 5256 C; straight tips

Style 2
DIN 5256 D; angled tips

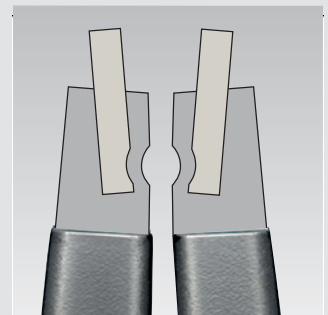
Style 3
DIN 5256 C, straight tips;
with overexpansion guard
(adjustable using end stop)

Precision and durability

High-density spring steel with a score-free surface is used for the tips. This increases the tips' resistance to dynamic and static strain. The tips are 30 % more stable than conventional pliers when subjected to one-off overloading while still allowing good accessibility during assembly. Subjected to dynamic strain, the tips' resistance capacity is up to 10 times greater! The tips on the precision circlip pliers are non-detachable!



Sturdy, inserted tips:
made from high-density spring steel



Tight fit through compression

Article No.	EAN 4003773-	↔ mm		Style	Pliers	Handles	Size of bore Ø mm	Tips Ø mm	⚖ g
48 11 J0	048510	140		1	grey atramentized	with non-slip plastic coating	8 - 13	0.9	105
48 11 J1	048527	140					12 - 25	1.3	105
48 11 J2	048534	180					19 - 60	1.8	175
48 11 J3	048541	225					40 - 100	2.3	266
48 11 J4	048558	320					85 - 140	3.2	580
48 21 J01	048619	130		2	grey atramentized	with non-slip plastic coating	8 - 13	0.9	105
48 21 J11	048633	130					12 - 25	1.3	105
48 21 J21	048640	165					19 - 60	1.8	175
48 21 J31	048657	210					40 - 100	2.3	265
48 21 J41	048664	305					85 - 140	3.2	576
48 31 J1	073864	140		3	grey atramentized	with non-slip plastic coating	12 - 25	1.3	105
48 31 J2	073871	180					19 - 60	1.8	175