

197E 90°-tip "expansion" pliers

▷ DIN 5254, NF E 73-130, ASME B 107.19.

- For outside circlips®.

▮	mm	mm ∅ min - max	Length mm	ΔΔ g
197E.9	0,9	3 - 10	140	105
197E.13	1,3	10 - 25	140	105
197E.18	1,8	18 - 60	170	175
197E.23	2,3	32 - 100	200	260
197E.32	3,2	85 - 200	290	395



4-piece circlip® plier module

MOD.PC1PB

- Comprising :
 - Inside circlip® pliers 177E.18 (straight tip) ,and 197E.18 (90° tip).
 - Inside circlip® pliers 179E.18 straight tip ,and 199E.18 (90° tip).
 - Tray PL.332.
- ΔΔ : 930 g.



▶ Machined-nose pliers



Machined-nose pliers

- Inverted cone tips for secure retention of circlips®.
- Special heat-treated steel inserts for optimum strength.
- Spring-assisted opening.
- Varnished finish, PVC sheathing.



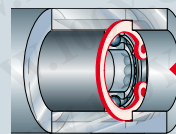
Inside circlip® pliers

- Straight, 45° or 90° tip profiles.
- Varnished finish, PVC sheathing.



Safety

Eye protection is recommended



179G Straight-tip "compression" pliers

▷ DIN 5256, NF E 73-130, ASME B 107.19.

- For inside circlips®.

▮	mm	mm ∅ min - max	Length mm	ΔΔ g
179G.9	0,9	8 - 11	140	120
179G.13	1,3	12 - 25	145	120
179G.18	1,8	18 - 60	185	190
179G.23	2,3	31 - 100	215	275



169G 45°-tip "compression" pliers

▷ NF E 73-130, ASME B.107.19.

• For inside circlips®

☞	☒ mm	⊙ mm ∅ min - max	Length mm	ΔΔ g
169G.9	0,9	8 - 11	140	120
169G.13	1,3	12 - 25	140	120
169G.18	1,8	18 - 60	180	190
169G.23	2,3	31 - 100	215	275

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199G 90°-tip "compression" pliers

▷ DIN 5256, NF E 73-130, ASME B 107.19.

• For inside circlips®.

☞	☒ mm	⊙ mm ∅ min - max	Length mm	ΔΔ g
199G.9	0,9	8 - 11	130	120
199G.13	1,3	12 - 25	130	120
199G.18	1,8	18 - 60	170	190
199G.23	2,3	31 - 100	205	275



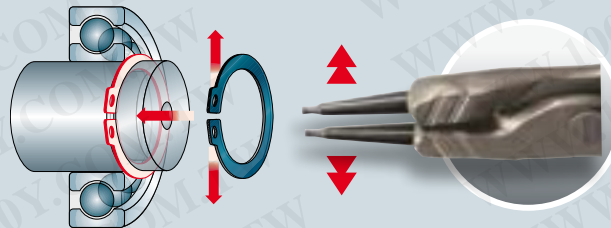
Outside circlip® pliers

- Straight, 45° or 90° tip profiles.
- Varnished finish, PVC sheathing.



Safety

Eye protection is recommended



177G Straight-tip "expansion" pliers

▷ DIN 5254, NF E 73-130, ASME B 107.19.

• For inside circlips®.

☞	☒ mm	⊙ mm ∅ min - max	Length mm	ΔΔ g
177G.9	0,9	8 - 11	150	120
177G.13	1,3	10 - 25	150	120
177G.18	1,8	18 - 60	180	190
177G.23	2,3	32 - 100	215	275



167G 45°-tip "expansion" pliers

▷ NF E 73-130, ASME B 107.19.

• For inside circlips®.

☞	☒ mm	⊙ mm ∅ min - max	Length mm	ΔΔ g
167G.9	0,9	3 - 10	145	120
167G.13	1,3	10 - 25	145	120
167G.18	1,8	18 - 60	175	190
167G.23	2,3	32 - 100	210	275



197G 90°-tip "expansion" pliers

▷ DIN 5254, NF E 73-130, ASME B 107.19.

• For inside circlips®.

☞	☒ mm	⊙ mm ∅ min - max	Length mm	ΔΔ g
197G.9	0,9	3 - 10	140	120
197G.13	1,3	10 - 25	140	120
197G.18	1,8	18 - 60	170	190
197G.23	2,3	32 - 100	200	275

