

1150HPC**Heavy duty universal pliers
with cutting edges made of sintered steel**

- The decentralized pin allows the fulcrum to be closer to the cutting point, thereby resulting in an improved lever effect.
- Perfect alignment of the nose and the thin profile allow the pliers to be used in very small areas.
- The body of the pliers is made of a reliable molybdenum steel which has been heat treated in order to be flexible and resistant so as to guarantee a safe grip in any moment.



Shearing stress - static test =	-73%
Average life of cutting edges = (test ISO 5744)	+127%
Hardness of M2 steel cutting edges =	65HRC



PATENTED
ABSOLUTELY
GROUNDBREAKING
REMARKABLE
CUTTING CAPACITY

**1169BM/D3**

Set of 1 combination pliers,
1 long needle nose pliers
and 1 diagonal cutting nippers

**1169/D3**

Set of 1 combination pliers,
1 long needle nose pliers
and 1 diagonal cutting nippers

**1169N/D4**

Set of 1 heavy-duty combination pliers,
1 long needle nose pliers, 1 cutting
nippers, chrome-plated, and 1 slip joint
pliers with boxed joints, phosphated



NEW**1047N**

THE SLIP JOINT PLIERS WITH PUSH BUTTON ALIGNMENT WITH EXCLUSIVE JAW ADJUSTMENT AND AUTOMATIC LOCKING SYSTEM

DIN ISO 8976

1 Tapered head for easier access to small areas

2 Induction hardened teeth for increased durability. Tooth geometry and angle designed for effective, safe hold.

3 Adjustable up to 23 positions in the 250-mm-long size

4 Ease of handling and comfort, based on the triangular section of the handles, for an enlarged contact surface and reduced applied work effort

5 Nonslip PVC coated handles

PATENTED MECHANISM
FOR JAW ADJUSTMENT
AND AUTOMATIC LOCKING



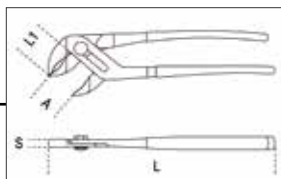
The exclusive push button system allows the pliers to be opened, closed and used with one hand.

1047N

	L mm	A Max mm	L1 mm	S mm	g	
1047N 180	180	34	30	6	216	010470018
1047N 250	250	42	37	8	394	010470024
1047N 300	300	52	43	9	524	010470030

1048N**Slip joint pliers, slip-proof PVC coated handles**

- Triangular section grip for a more comfortable contact surface
- Tapered head allowing access to small spaces
- Case-hardened nail for improved wear resistance
- The handles coated with innovative slip-proof PVC ensure a secure grip.
- Phosphated finish
- Made from chrome-vanadium steel



DIN ISO 8976



	L mm	A Max mm	L1 mm	S mm	g	
1048N 175	175	36	31	11	189	010480910
1048N 250	250	46	38	13	354	010480915
1048N 300	300	60	44	14,8	554	010480920
1048N 400	400	96	81	19	1180	010480940

1047N/D3

010470053

Set of 3 slip joint pliers

**PROMO****NEW****1048N/D3**

010480923

Set of 3 slip joint pliers

**PROMO**

1048VN

Slip joint pliers, boxed joints,
with orange lacquered finish



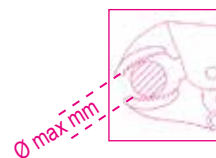
	L mm	A Max mm	L1 mm	S mm	g	
1048VN 175	175	36	31	11	189	010480111
1048VN 250	250	46	38	13	354	010480116
1048VN 300	300	60	44	14,8	554	010480121

1052

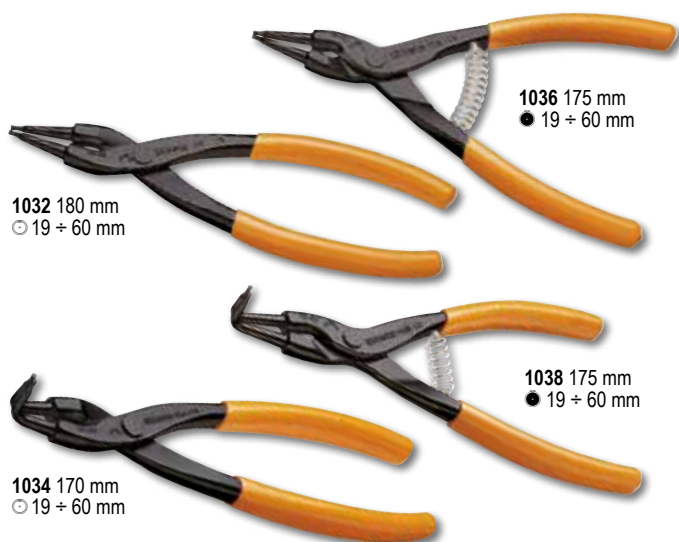
Adjustable self-locking pliers, concave jaws



	L mm	ø Max mm	g	
1052/140	140	22	175	010520014
1052/190	190	36	360	010520019
1052/240	240	42	590	010520024
1052/300	300	55	900	010520030

**1031/S4**

Set of 4 circlip pliers

**1199ESD/D3**

Set of 1 flat, long nose pliers,
1 diagonal axial cutting nippers,
and 1 semi-flush cutting nippers,
ESD

**1009L/DP-S2**

Set of 2 extra-long, knurled
double swivel nose pliers

- Double swivel
- Suitable for jobs
in hard-to-access areas

