

# Long nose pliers with side cutter and pipe grip, bent

512/1VDEBI



## Profiles



## Standards

DIN EN IEC 60900 (VDE 0682-201):2019-04; EN IEC 60900:2018

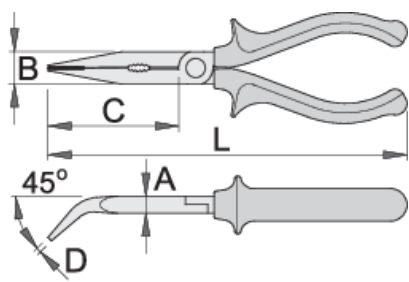
## Product features



- material: premium plus carbon steel
- drop forged, entirely hardened and tempered
- cutting edges induction hardened
- head polished
- surface finish: trivalent chrome plated to standard ISO 1456:2009
- heavy duty double - component handles
- made according to standard ISO 5745 and EN IEC 60900

## Advantages:


- the long bent jaws enable simple and precise clenching of nuts and screws

- the strong jaws enable good grip
- jaws bent to an angle of 45°
- gripping surface serrated



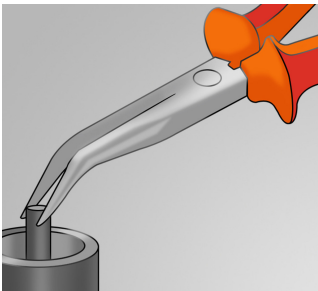
	L	B	D	A	C	
610438	170	17	2.5	9	61	152
610439	200	17	2.5	9	77	204

cutting capacity (10N=1kg)

	L	max 1560 N/mm² Ø↑		max 750 N/mm² Ø↑	
610438	170	1,6		2,0	
610439	200	1,8		2,5	

\* Images of products are symbolic. All dimensions are in mm, and weight in grams. All listed dimensions may vary in tolerance.

### Usage (pictures)



## Frequently asked questions

**Are certified insulated tools made through a different procedure than non-certified insulated tools?**  
 The tools are made according to the same procedure.

**Are insulated (VDE) tools considered as personal protective equipment (PPE)?**  
 According to EU regulations, VDE tools are not considered as PPE.

**Is it possible to work with insulated pliers under electrical voltage?**

Yes, but only by professionals who follow safety requirements and use additional personal protective equipment.

**Are the VDE tools only being sampled in series production?**

The high voltage test (at 10kV) is performed fully on each tool. Other tests are performed in accordance with the EN60900 standard.