

# INTERNATIONAL STANDARD

# ISO 9655

First edition  
1989-12-01

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## Pliers and nippers for electronics — Single-purpose pliers — Pliers for gripping and manipulating

iTeh **STANDARD PREVIEW**  
*Pincès pour l'électronique — Pincès unifonction — Pincès de serrage et de  
manipulation*  
(standards.iteh.ai)

ISO 9655:1989

<https://standards.iteh.ai/catalog/standards/sist/de13059a-abf8-4ac6-982e-c428f4223104/iso-9655-1989>



Reference number  
ISO 9655 : 1989 (E)

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 9655 was prepared by Technical Committee ISO/TC 29, *Small tools*.

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# Pliers and nippers for electronics – Single-purpose pliers – Pliers for gripping and manipulating

## iTeh STANDARD PREVIEW (standards.iteh.ai)

### 1 Scope

This International Standard specifies the principal dimensions of single-purpose pliers for electronics for gripping and manipulating.

The test methods for checking their proper functioning are given in ISO 9656. The general technical requirements are given in ISO 9657.

The pliers illustrated in this International Standard are only examples and are not intended to affect the manufacturer's design.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International

Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 8979:1988, *Pliers and nippers for electronics – Nomenclature.*

ISO 9656:1989, *Pliers and nippers for electronics – Test methods.*

ISO 9657:1989, *Pliers and nippers for electronics – General technical requirements.*

3 Dimensions

3.1 Round nose pliers

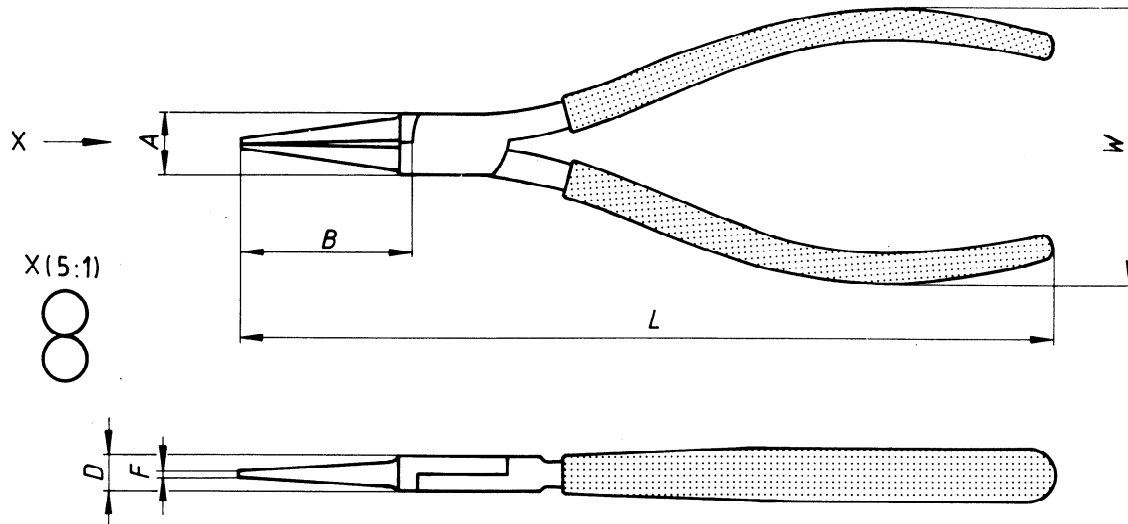


Figure 1  
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Table 1

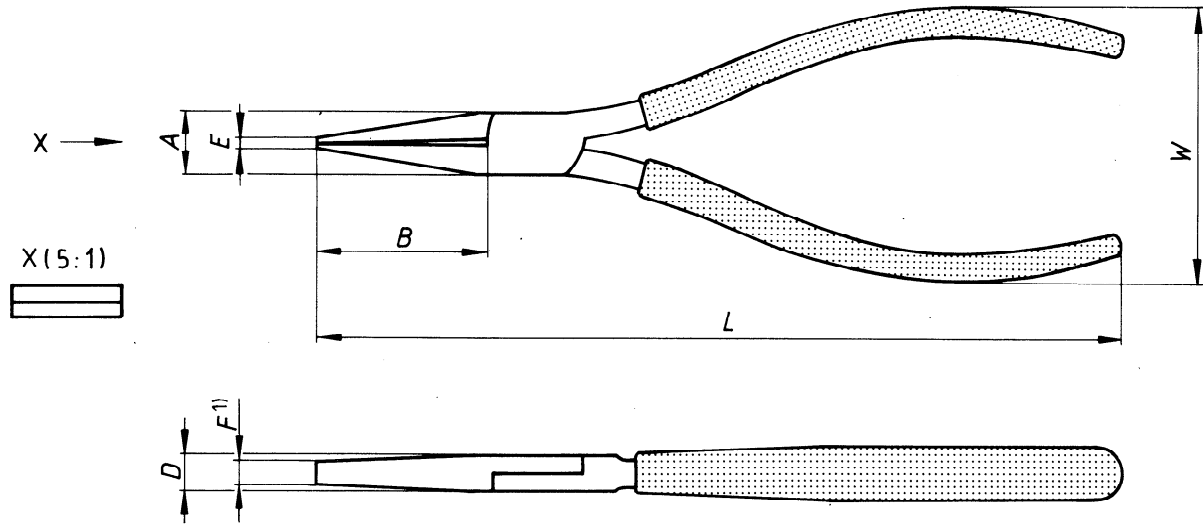
ISO 9655:1989

Dimensions in millimetres

Length of jaws	$L$	$A$	$B$	$D$	$F$	$W$
Short jaws	$112 \pm 5$	10	25 max.	6,5	0,8	$48 \pm 5$
	$125 \pm 7$	12,5	28 max.	8	1,25	50
Long jaws	$125 \pm 7$	12,5	30 min.	8	1,25	50
	$140 \pm 7$	14	34 min.	10	2	50

Pliers without sleeves shall conform to the same dimensions.

3.2 Flat nose pliers



1) Equal to or less than the actual  $D$  value.

Figure 2

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Table 2

Dimensions in millimetres

Length of jaws	$L$	$A$ max.	$B$ max.	$D$ max.	$E$ max.	$W$ $\pm 5$
Short jaws	$112 \pm 5$	10	25 max.	6,5	1,8	48
	$125 \pm 7$	12,5	28 max.	8	2,2	50
Long jaws	$125 \pm 7$	12,5	30 min.	8	2,2	50
	$140 \pm 7$	14	34 min.	10	2,8	50

Pliers without sleeves shall conform to the same dimensions.

3.3 Snipe nose pliers

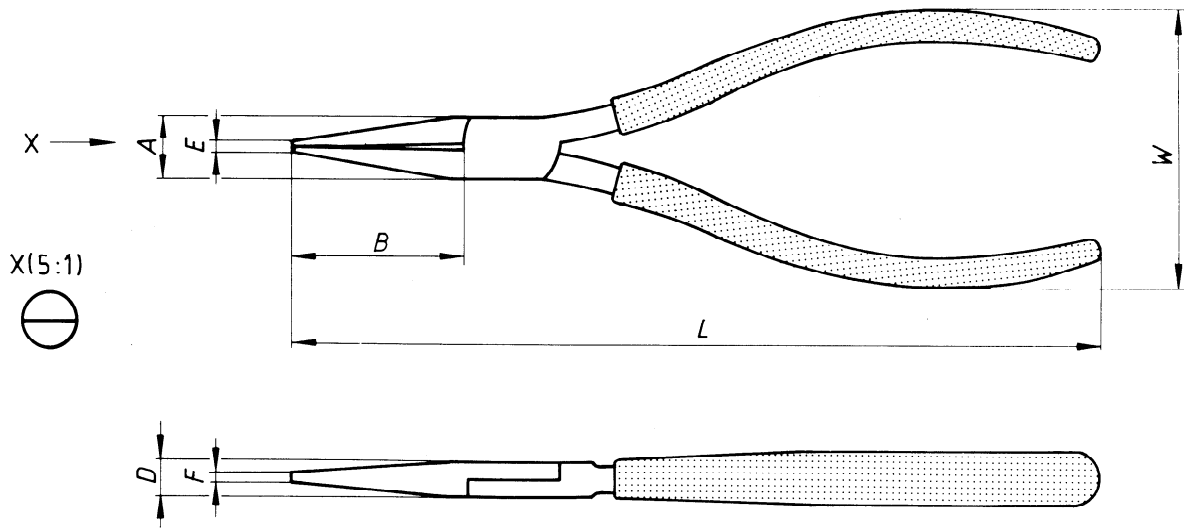


Figure 3

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Dimensions in millimetres

Length of jaws	L	A max.	B max.	D max.	E max.	F max.	W ± 5
Short jaws	112 ± 5	10	25 max.	6,5	1,8	1,8	48
	125 ± 7	12,5	28 max.	8	2,2	2,2	50
Long jaws	125 ± 7	12,5	30 min.	8	2,2	2,2	50
	140 ± 7	14	34 min.	10	2,8	2,8	50

Pliers without sleeves shall conform to the same dimensions.

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**UDC 621.881.4 : 621.3.002.54**

**Descriptors** : electronics industry, tools, assembly tools, hand tools, pliers, dimensions.

Price based on 4 pages

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