JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 4624 : 1998

Round nose pliers

ICS 25.140.30

Descriptors : pliers, round-nosed tools, assembling, hand tools

Reference number : JIS B 4624 : 1998 (E)

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently, JIS B 4624:1995 is replaced with JIS B 4624:1998.

In this revision, emphasizing the conformity with the International Standards, Annex to this Standard is prepared with adoption of the technical contents of the corresponding International Standards without modification. The provisions specified conventionally in the Japanese Industrial Standard are provided in the body with partly amendments.

Date of Establishment: 1950-12-16

Date of Revision: 1998-03-20

Date of Public Notice in Official Gazette: 1998-03-20

Investigated by: Japanese Industrial Standards Committee

Divisional Council on Machine Elements

JIS B 4624 :1998, First English edition published in 1998-09

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

Printed in Japan

JAPANESE INDUSTRIAL STANDARD JIS B 4624 : 1998

Round nose pliers

Introduction This Japanese Industrial Standard based on the International Standards shown in Remarks specifies, in the body, the round nose pliers of the classification and grades which were specified in the conventional Japanese Industrial Standard and their shape, dimension, quality, inspection, designation and marking and, in the Annex, the items translated from the corresponding International Standards without changing the technical contents. The items (inspection, designation and marking) which are not included in the corresponding International Standards are added as the Japanese Industrial Standard.

The sentences underlined with dots in the Annex are the items not included in the corresponding International Standards.

Remarks : The following standards are the corresponding International Standards to this Standard.

ISO 5743 : 1988 *Pliers and nippers — General technical requirements*

ISO 5744 : 1988 *Pliers and nippers — Methods of test*

ISO 5745 : 1988 *Pliers and nippers — Pliers for gripping and manipulating — Dimensions and test values*

1 Scope This Japanese Industrial Standard specifies round nose pliers to be used for the bending and other working of copper wires or iron wires, mainly during wiring, assembly and repair works of electric communication apparatus, radio and television sets and other devices.

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below shall be applied.

JIS G 4051 *Carbon steels for machine structural use*

JIS G 4401 *Carbon tool steels*

JIS Z 2245 *Method of Rockwell and Rockwell superficial hardness test*

3 Shape and dimensions The shape and dimensions of the round nose plier shall be as follows:

a) The shape of round nose plier should be as shown in Fig. 1.

b) The dimensions of round nose plier shall be as given in Table 1.

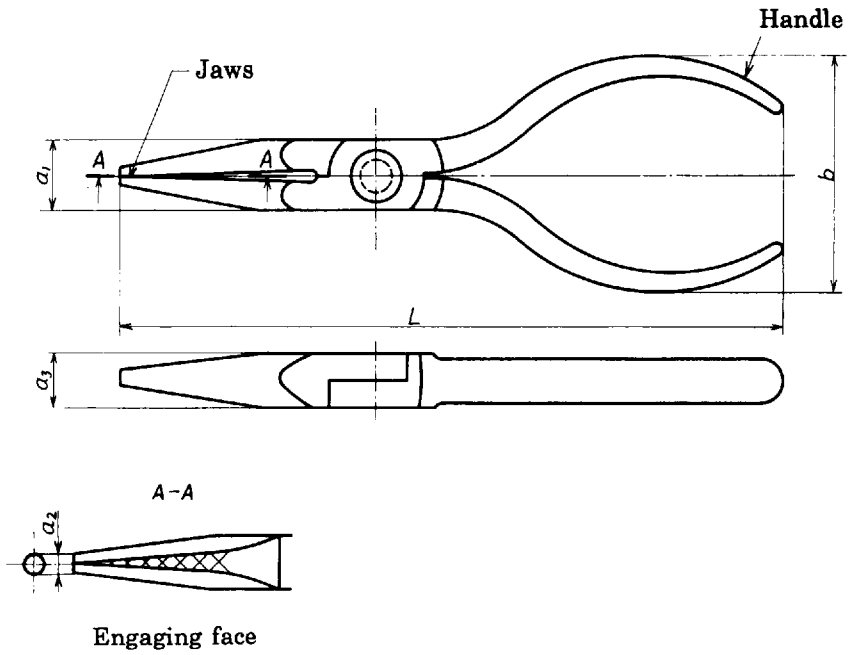

Fig. 1 Shape

Table 1 Dimensions

Unit : mm

Nominal dimension	a_1		a_2	a_3		b	L	
	Dimension	Tolerance	Max.	Dimension	Tolerance	Max.	Dimension	Tolerance
125	13	± 0.7	1.8	10	± 0.7	50	130	± 4
150	14		2.2	11		52	155	

4 Quality

4.1 Appearance The round nose plier shall be free from cracks, detrimental flaws, burrs, rust and other defects likely to impair the use, and be well finished.

4.2 Function

4.2.1 Joint The sliding contact surfaces of the joint shall have little clearance and be opened and closed smoothly.

The inside surfaces of the tip part shall be capable of being brought into close contact for a length of about 5 mm from the tip.

4.3 Mechanical properties

4.3.1 Deformation When the handle is subjected in the widest part to the torque specified in Table 2, with an iron wire of a 3.4 mm diameter held at a point about 2 mm from the tip of the jaws, the permanent strain(1) shall be not more than 2 %.