

JIS

JAPANESE INDUSTRIAL STANDARD

Voluntary opening hooks

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J I S

Voluntary opening hooks

T 9217-1992

1. Scope This Japanese Industrial Standard specifies the voluntary opening hooks for adults (hereafter referred to as the "hooks"), except those for the heavy-load work.

Remarks 1. The cited standards in this standard are as follows:

JIS B 0205 Metric coarse screw threads

JIS B 0207 Metric fine screw threads

2. The units and numerical values given in { } in this standard are based on the traditional units and are appended for informative reference.

2. Definitions For the purpose of this standard, the following definitions apply:

The names of parts of hook are specified in the Attached figure 1.

(1) length of hook The distance from the hook base to the tip of crooked finger hook (see Fig. 1).

(2) deviation at the tip of hook The deviation between the tip of mobile finger hook and the tip of stationary finger hook when the hook is closed (see Fig. 10).

3. Classification and symbol The classification and symbols are specified in Table 1.

Table 1

Classification	Symbol	Remarks
Steel	S	Hook of carbon steel
Stainless steel	SS	Hook of stainless steel
Aluminum alloy	AL	Hook of aluminum alloy

Note (1) Hooks with finger covered with plastics, or with finger lined with Neoprene rubber shall be classified by the metal of finger.

4. Performance

4.1 General condition When the hook is closed, the tips of two finger hooks shall have no deviation, and the tip and the crooked tip shall contact in parallel.

4.2 Static strength and durability The static strength and durability, when tested according to 9., shall meet Table 2.

Table 2

Unit : mm

Item		Performance		Applicable items of test
		S, SS	AL	
Static strength	Crooked finger hook	Elongation ratio of finger hook tip shall be under 0.1%.		9.1 (1)
	Mobile finger hook and bearing	Breakage, permanent deformation, malfunction and other defects shall not be found.		9.1 (2)
	Lateral strength of finger hook			9.1 (3)
Durability	Deviation of finger hook tip at no load	2 or under		9.2
	Deviation of finger hook tip at load	4 or under	5 or under	
	Control levers for finger hook and hook	Breakage, permanent deformation, malfunction and other defects shall not be found.		
	Bearing	Opening and closing of finger tips shall not be disturbed.		

5. Shape and dimensions

5.1 Length and opening width of hook The length (l) and the opening width (W) shall be specified in Fig. 1, Fig. 2, and Table 3.

Fig. 1

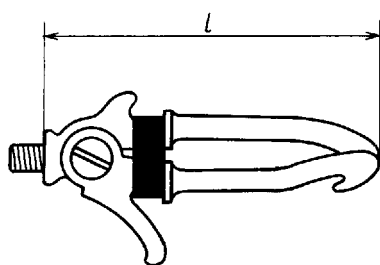


Fig. 2

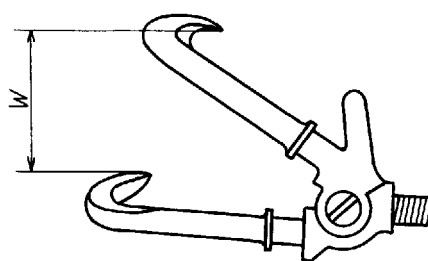


Table 3

Unit : mm

Symbol	Length l	Opening width W
H3	$l < 95$	$W \geq 75$
H4	$95 \leq l < 105$	$W \geq 85$
H5	$105 \leq l < 115$	$W \geq 95$
H6	$115 \leq l$	$W \geq 105$