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JIS

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JAPANESE INDUSTRIAL STANDARD

Machine Screws and Nuts for Spectacle Frames

JIS B 1119–1986

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JAPANESE INDUSTRIAL STANDARD J I S

Machine Screws and Nuts for Spectacle Frames B 1119-1986

1. Scope

This Japanese Industrial Standard specifies the machine screws made of stainless steel, brass, and nickel silver, hereinafter referred to as the "machine screws", as well as the nuts made of nickel silver.

Remark: The units and numerical values given in { } in this standard are in accordance with the conventional units and the standard values.

2. Classification

2.1 Classification of Machine Screws The machine screws shall be slot type and cross recess slot type([1]), respective types shall be divided according to the shape of head, and be as given in Table 1.

Note ([1]) It is the combination of cross recess and slot, and so made that the screwdrivers for slot together with for cross recess can be used.

2.2 Classification of Nuts The nuts shall be divided according to shape and be as given in Table 1.

Table 1

Classification of machine screws		Classification of nuts
Slotted	Flat machine screw Chamfered flat machine screw Chamfered flat countersunk machine screw Round flat machine screw Round flat countersunk machine screw Round machine screw Pan head machine screw	Star nut, slotted round nut, hexagon nut
Cross-recessed slotted	Flat machine screw Pan head machine screw Pan countersunk machine screw	

Applicable Standards: See page 6.

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3. Hardness

The hardness of machine screws and nuts shall be as given in Table 2.

Table 2

Division	Devision by material	Vickers hardness
Machine screw	Stainless steel	HV 180 min.
	Nickel silver	HV 150 min.
	Brass	HV 100 min.
Nut	Nickel silver	HV 150 min.

4. Shape and Dimensions

The shape and dimensions of machine screws and nuts shall be as given in Table 3.

Table 3

Division	Classification		Shape and dimensions
Machine screw	Slotted	Flat machine screw	To be in accordance with Attached Table 1.
		Chamfered flat machine screw	
		Chamfered flat countersunk machine screw	
		Round flat machine screw Round flat counter-sunk machine screw Round machine screw Pan head machine screw	
	Cross-recessed slotted	Flat machine screw	To be in accordance with Attached Table 2.
		Pan head machine screw	
		Pan countersunk machine screw	
Nut	Star nut Recessed round nut Hexagon nut		To be in accordance with Attached Table 3.

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