

JIS

JAPANESE INDUSTRIAL STANDARD

**Presswork machinery —
Symbols for operations**

JIS B 6420—1992

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Presswork machinery -
Symbols for operations

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1. Scope

This Japanese Industrial Standard specifies the symbols for operations (hereafter referred to as the "symbols"), to be used for the operating board of presswork machinery for general use.

Furthermore, English equivalents are given for informative reference.

Remarks: Combined uses of symbols with the characters are not impedimental.

2. Indicating methods of symbols

2.1 Shapes and dimensions of symbols The symbols shall be those which specify the fundamental shape, and shall not be those which specify its sizes and dimensions. However, the size of symbol in indication should preferably be those approximately proportional to the shape of figure given in this Standard.

2.2 Combination of symbols Symbols may be used by combining appropriately.

3. Classification

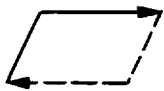
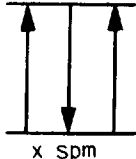
The symbols shall be classified as given in the following:

- (1) Motion and velocity
- (2) Objective elements of operation
- (3) Operations
- (4) Safety device and caution
- (5) Others

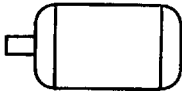
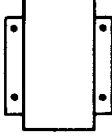
4. Symbols for operations

Symbols shall be in accordance with the following:

(1) Motion and velocity

No.	Name	Symbol	Remarks	English equivalent (Informative reference)
1.1	CHOKU SEN UNDŌ		(1) Indicate the direction of motion by an arrow mark. (2) In the case of intermittent motion indicate as follows. 	continuous rectilinear motion interrupted rectilinear motion
1.2	KAI TEN UNDŌ		(1) Indicate the direction of motion by an arrow mark. (2) In the case of intermittent motion, indicate as follows. 	continuous rotation interrupted rotation
1.3	NIJIGEN NO CHOKU SEN UNDŌ			two-dimensional rectilinear motion
1.4	SANJIGEN NO CHOKU SEN UNDŌ			three-dimensional rectilinear motion
1.5	TEISOKU UNDŌ		If required, enter speed ratio or speed under the symbol.	low speed motion, reduced motion
1.6	KŌSOKU UNDŌ		If required, enter speed ratio or speed under the symbol.	high speed motion, rapid motion
1.7	SUTORŌKU SŪ		For X, enter the numerical value of number of strokes per minute. (spm)	number of strokes per minute

(2) Objective element of operation

No.	Name	Symbol	Remarks	English equivalent (Informative reference)
2.1	DENDŌKI			electric motor
2.2	YUATSU MŌTA			hydraulic motor
2.3	YUATSU PONPU			hydraulic pump
2.4	REIKYAKU PONPU			coolant pump
2.5	JYUNKATSU YU PONPU			lubricant pump
2.6	SURAI DO			slide