

JIS

JAPANESE INDUSTRIAL STANDARD

Graphic Symbols for Copying Machines

JIS B 0139—1987

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In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Graphic Symbols for Copying Machines

J I S
B 0139-1987

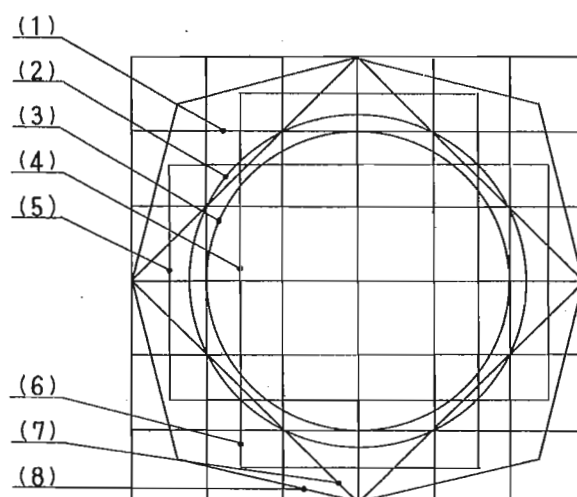
1. Scope

This Japanese Industrial Standard specifies the graphic symbols used for operation display plates, operating push buttons, and the like of copying machines.

2. Method of Expressing Graphic Symbols

2.1 Basic Pattern The basic pattern of the graphic symbols shall be in accordance with the Figure.

Figure Basic Pattern



where (1) : basic square with side length of 50 mm.

(2) : basic circle of 56 mm in diameter. This circle has almost the same area as that of the basic square (1).

(3) : second circle of 50 mm in diameter. This circle is the inscribed circle of the basic square (1).

(4) : second square. This square contacts the basic circle (2) at its corners.

(5) and (6) : rectangles of the same areas as that of the basic square (1).

Corresponding International Standard:

ISO/DIS6329-Duplicators and document copying machines -
Part 1: Symbols

Reference Standard:

JIS Z 8250-General Rules for Graphical Symbols

- (7): third square formed by the lines passing through the points of intersection of the basic square (1) and the basic circle (2). This square is rotated through 45° from the horizontal position and has the largest horizontal and vertical dimensions among the basic forms.
- (8): an irregular octagon formed by lines inclined at 30° to the sides of the square.

Furthermore, the basic pattern is divided into 12.5 mm squares to form a grid.

2.2 Basic Form The basic form of graphic symbol shall be shown in a graphic form by the line of 4 mm in thickness as a rule. However, except where there are reason of degree of understanding and visual reason.

2.3 Method of Use for Graphic Symbols The graphic symbols shall be used with taking the following precautions:

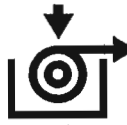
- (1) Where a frame is provided outside a graphic symbol, cares shall be taken not to change the image of the graphic symbol because of the presence of the frame.
- (2) Where a graphic symbol is used on a rotating dial or the like, cares shall be taken so that its image or meaning does not change even by the rotation.
- (3) As a rule, the graphic symbols shall not be used by reversing the direction of the up and down, longitudinal and lateral or left-right. However, except the case where specified particularly in this Standard.
- (4) Letters may be used in combination with the graphic symbols at the stage of propegation.

3. Classification of Graphic Symbols

The graphic symbols shall be classified in the following 51 classes.

No.	Graphic symbol	Meaning	No.	Graphic symbol	Meaning
1		ON (POWER)	10		DON'T TOUCH
2		OFF (POWER)	11		STAND-BY
3		ON/OFF (PUSH-PUSH) (POWER)	12		READY
4		ON/OFF (PUSH BUTTON) (POWER)	13		COPY CONTRAST
5		START	14		LIGHTER COPY
6		COPY	15		DARKER COPY
7		INTERRUPT	16		ENLARGEMENT
8		STOP	17		REDUCTION
9		FAST STOP	18		PAPER JAM

No.	Graphic symbol	Meaning	No.	Graphic symbol	Meaning
19		CALL FOR KEY OPERATOR	28		REMOVE ORIGINAL
20		CALL FOR MAINTENANCE	29		COPY QUANTITY SELECTOR
21		FACE UP ORIGINAL	30		COPY PAPER
22		FACE DOWN ORIGINAL	31		SINGLE-SIDED COPY
23		SINGLE-SIDED ORIGINAL	32		DOUBLE-SIDED COPY
24		DOUBLE-SIDED ORIGINAL	33		PRIMARY SHEET PAPER/MATERIAL SUPPLY
25		BOUND ORIGINAL	34		ADDITIONAL SHEET PAPER/MATERIAL SUPPLY
26		SEMI-AUTOMATIC ORIGINAL/MASTER FEED ; SINGLE SHEET	35		ALTERNATIVE SHEET PAPER/MATERIAL SUPPLY
27		AUTOMATIC ORIGINAL/MASTER FEED ; FROM STACK	36		ADD SHEET PAPER/MATERIAL

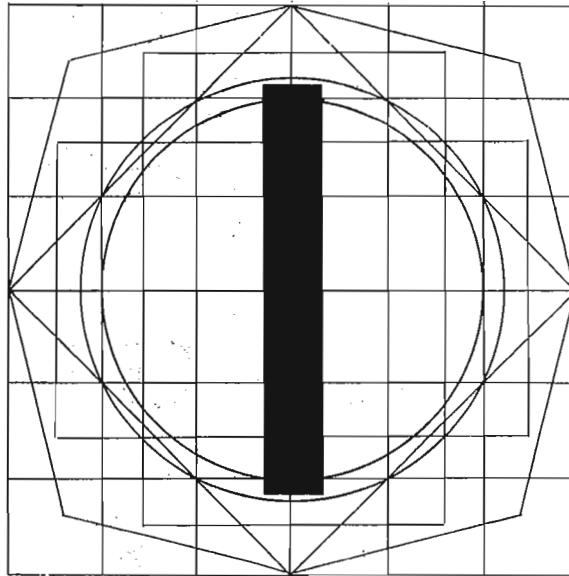
No.	Graphic symbol	Meaning	No.	Graphic symbol	Meaning
37		RAISE	45		LIQUID DISPERSANT
38		LOWER	46		ADD LIQUID DISPERSANT
39		SHEET PAPER/ MATERIAL FEED	47		COUNTER
40		ROLL PAPER/ MATERIAL SUPPLY	48		KEY COUNTER
41		ADD ROLL PAPER/ MATERIAL	49		SORTER/SORT IN SETS
42		COPY LENGTH SELECTOR	50		EMPTY SORTER
43		DRY TONER	51		PAPER JAM IN SORTER
44		ADD DRY TONER			

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4. Meaning, Graphic Symbol, Application and Caution for Use

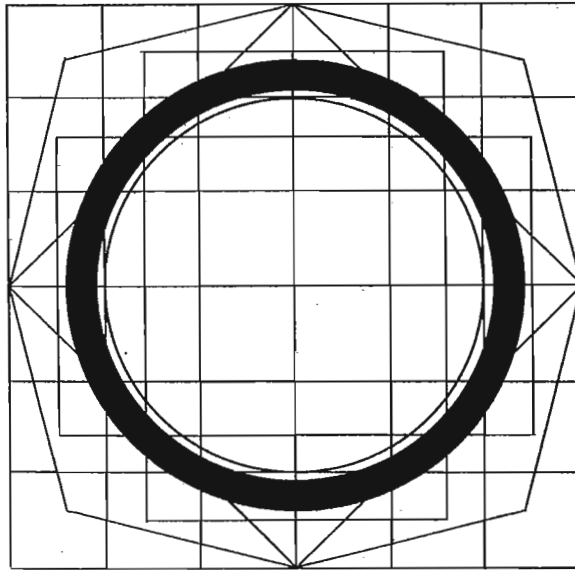
The meaning, graphic symbol, application and caution for use shall be as follows:

Meaning	On of power source ON (POWER)	Number	1
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Application	Use for the indication of the input side of the power source operating part.
Caution to use	1. To use by forming a pair with ○ (off) without fail. 2. Not to use singly.

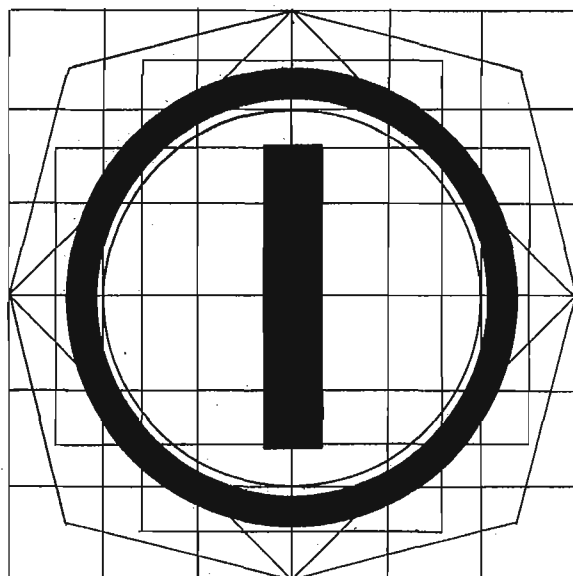
Meaning	Off of Power Source OFF (POWER)	Number	2
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Application	Use for the indication of the stop side of the power source operating part.
Caution to use	1. To use by forming a pair with  (on) without fail. 2. Not to use singly.

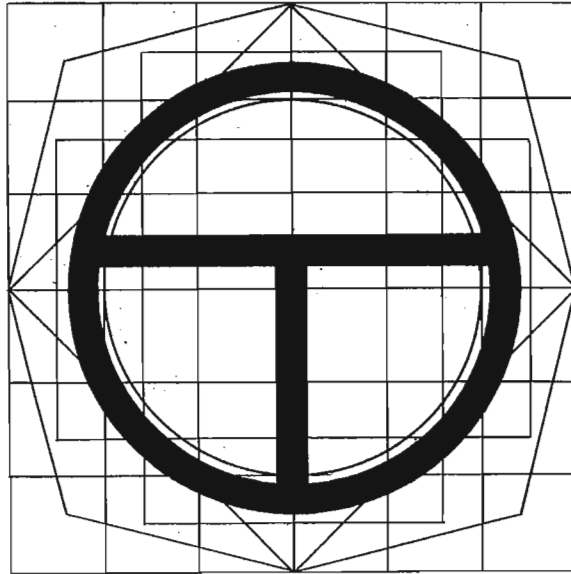
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Meaning	On-off by the same push button ON/OFF (PUSH-PUSH) (POWER)	Number	3
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Application	Use for indicating that the push-on and push-off are operated by the same push button switch.
Caution to use	

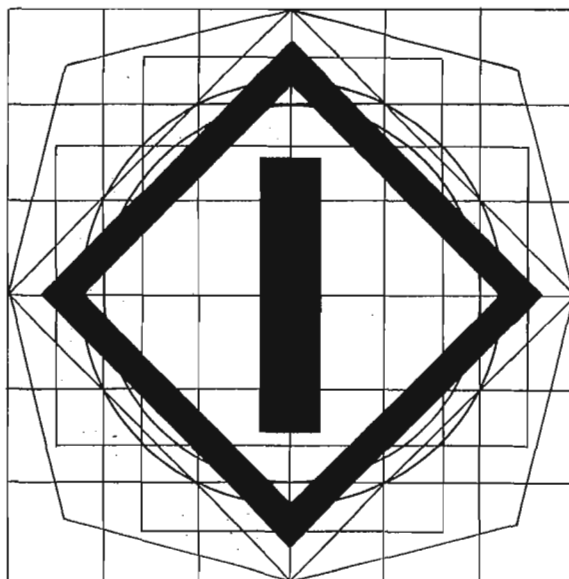
Meaning	On only while being pressed ON/OFF (PUSH BUTTON) (POWER)	Number	4
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Application	To be used for indicating that the switch is on only while it is being pushed and off when letting go one's hold.
Caution to use	

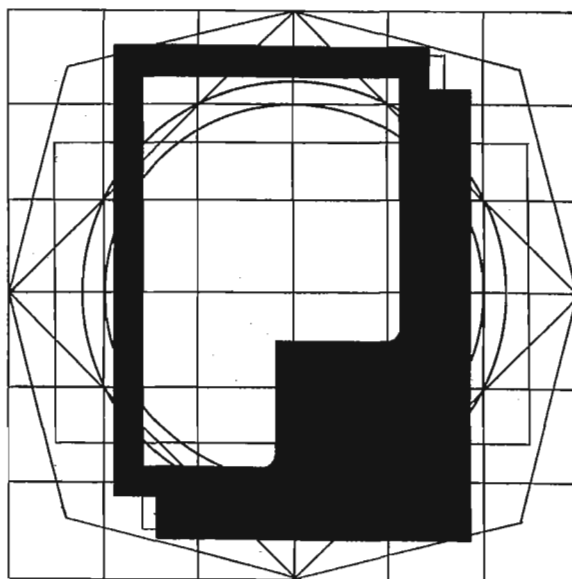
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Meaning	START	Number	5
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Application	To be used for the operating part letting the machine start.
Caution to use	1. This can be used in a pair with  (stop). 2. To be used for distinguishing the copy start from the motre start, paper feeding start, retrieval start and the like. Where necessary,  (copy·copy start) shall be used.

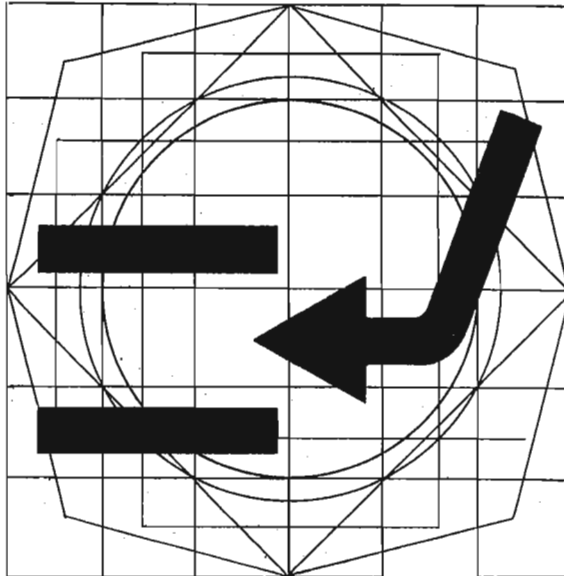
Meaning	COPY	Number	6
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Application	1. To be used for the indication of the operating part letting copy start. 2. To be used for the indication of being under the coping condition.
Caution to use	 Shall be taken when using by directing laterally.

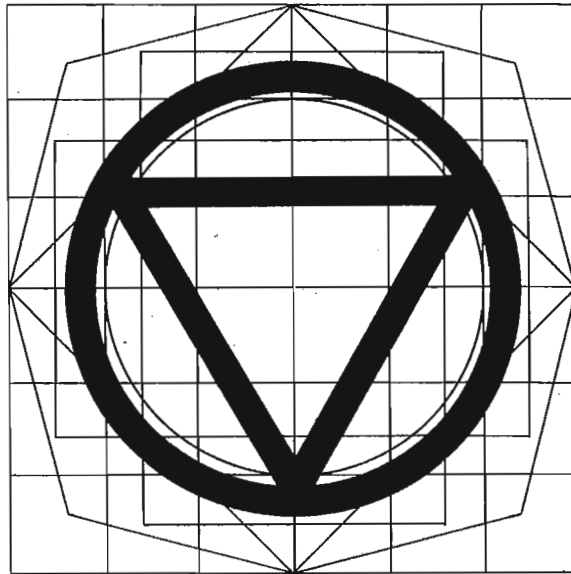
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Meaning	INTERRUPT	Number	7
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Application	To be used for the indication showing the operating part or condition when carrying out the interrupt copy.
Caution to use	

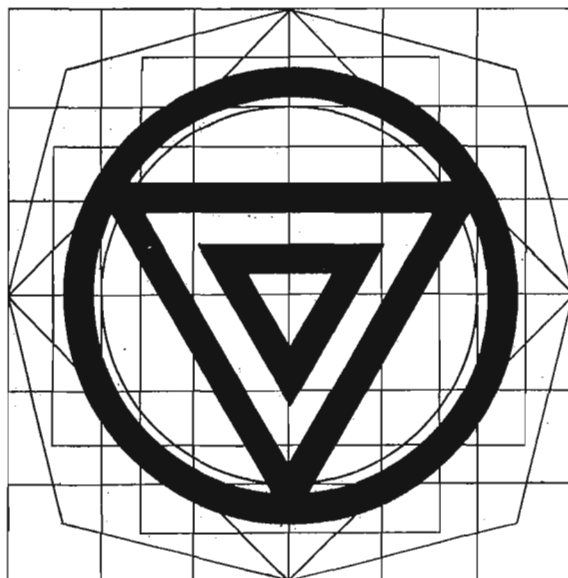
Meaning	STOP	Number	8
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Application	To be used for the indication of the operating part for the purpose of stopping the machine under operation in the state of normal condition.
Caution to use	 (off of power source) shall be used for the stop of power source.

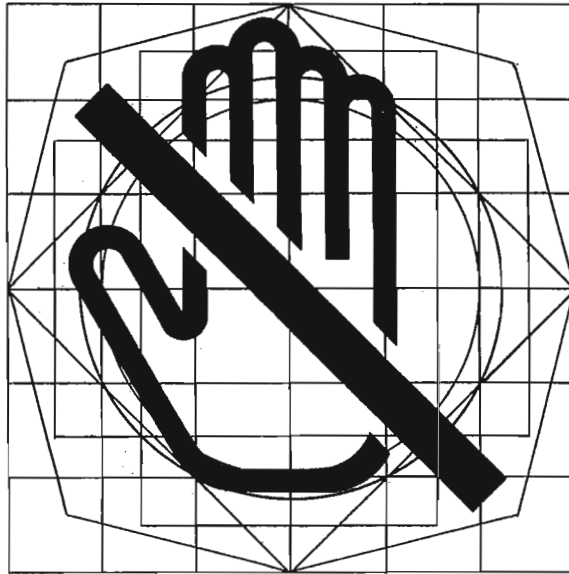
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Meaning	FAST STOP	Number	9
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Application	To be used for the indication of the operating part for the purpose of stopping rapidly the machine during operation.
Caution to use	1. To be used in case where the distinction from a normal (stop) is especially required.  2.  (on of power source) is used for the stop of power source. 3. The indication shall be in red colour (ground colour or graphic symbol) as a rule.

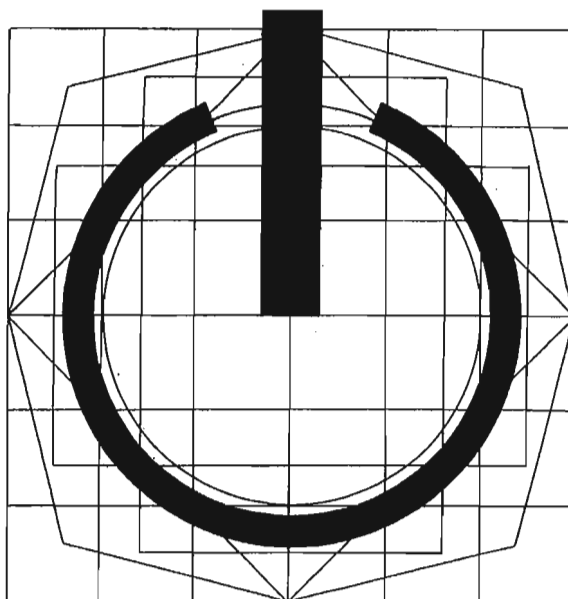
Meaning	DON'T TOUCH	Number	10
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Application	To be used for the indication of a place where touch is danger because of high temperature and high voltage.
Caution to use	1. The red coloured indication is desirable. 2. The conspicuous handling is desirable. 3. The use together with letters is desirable. Example: Beware of high temperature, Beware of high voltage.

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Meaning	STAND-BY	Number	11
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Application	To be used for the indication when the function of machine has not reached to the using condition.
Caution to use	1. To be able to use in pair with ○ (preparation finished). 2. The use in orange colour (ground colour or graphic symbol) is desirable.