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JIS S 6049 : 2001

(JPMA/JSA)

**Electric or manual pencil  
sharpeners**

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ICS 97.180

**Descriptors** : pencils, cutting tools, electrical equipment, stationery

**Reference number** : JIS S 6049 : 2001 (E)

## Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee, as the result of proposal for revision of Japanese Industrial Standard submitted by the Japan Pencil Manufacturers Association (JPMA)/the Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS S 6049 : 1994** is revised, and **JIS S 6018 : 1992** is withdrawn and integrated into this Standard.

Main articles of this revision are as follows.

- a) **JIS S 6018** *Pencil sharpeners* is integrated into this Standard because of the same purpose of sharpening pencils.
- b) In order to facilitate conformity to the international technical level of electrical appliances, separate sheet 1 of the detailed rules as the criteria of clause 2 of “the Ministerial Ordinance on the technical criteria for electrical appliances” based on the Electrical Appliance and Material Control Law was revised on March 31, 1998. By this revision, electric pencil sharpeners are made to conform to “The safety of information technical appliances including business equipment (**J60950**)”, which corresponds to the electrical pencil sharpeners.

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Divisional Council on Consumer Life

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

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## Electric or manual pencil sharpeners

**Introduction** For securing the quality, performance and safety of electric pencil sharpeners and manual pencil sharpeners used at home and office, **JIS S 6018** was established in 1960 and **JIS S 6049** in 1971. On this occasion, both standards have been revised and unified into one standard.

**1 Scope** This Japanese Industrial Standard specifies the electric pencil sharpeners and manual pencil sharpeners (hereafter referred to as “sharpener”) used in sharpening the pencils of wooden case and colour pencils. This Standard does not apply to electric pencil sharpeners of charging type and dry battery type.

**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 (including amendments) indicated below shall be applied.

JIS C 3306 *Polyvinyl chloride insulated flexible cords*

JIS C 8303 *Plugs and receptacles for domestic and similar general use*

JIS S 6006 *Pencils, coloured pencils and leads for them*

JIS Z 8401 *Guide to the rounding of numbers*

JIS Z 8703 *Standard atmospheric conditions for testing*

**3 Definitions** For the purpose of this Standard the following definitions apply:

- a) **electric pencil sharpener** The sharpener having the construction such that the cutter rotates by driving an electric motor to sharpen pencils and colour pencils, the rated voltage of monophase is 100 V and rated frequency is 50/60 Hz for common use;
- b) **manual pencil sharpener** The sharpener having a feeding device and capable of sharpening pencils and colour pencils by rotating the cutter by the handle;
- c) **feeding device** The device for feeding the pencils when sharpening;
- d) **waste case** A vessel which receives shavings of pencils;
- e) **cutter holder** The frame to which the cutter is attached. In the case of electric pencil sharpener, it is directly or indirectly connected with the motor;
- f) **sharpening completion device** A device for preventing unnecessary sharpening of pencils;
- g) **completion indicating device** A device for indicating the completion of sharpening of pencils;
- h) **regulating device** A device for regulating the thickness of the lead tip of pencils;
- i) **one side cutting** A state of lead part of pencils when sharpening (see Fig. 1);