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JIS B 0904 : 2001
(JSA)

**Conical shaft ends for cone taper
ratio 1 : 10**

ICS 21.120.10

Descriptors : shaft ends, line shafting

Reference number : **JIS B 0904 : 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 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 B 0904 : 1995** is replaced with this Standard.

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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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Conical shaft ends for cone taper ratio 1 : 10

1 Scope This Japanese Industrial Standard specifies the principal dimensions of conical shaft ends of 6 mm to 630 mm in basic diameter, among the shaft ends of rotary shafts for transmission to be used generally, and of cone taper ratio 1 : 10 in the fitting portion (hereafter referred to as “shaft ends”).

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 B 0205 *Metric coarse screw threads*

JIS B 0207 *Metric fine screw threads*

JIS B 0209 *Limits of sizes and tolerances for metric coarse screw threads*

JIS B 0211 *Limits of sizes and tolerances for metric fine screw threads*

JIS B 0215 *Tolerance system for metric screw threads*

JIS B 0405 *General tolerances—Part 1 : Tolerances for linear and angular dimensions without individual tolerance indications*

JIS B 0614 *System of cone tolerances*

JIS B 1301 *Keys and their corresponding keyways*

3 Definitions The definitions of main terms used in this Standard shall be as given in the following.

- a) **basic diameter** The larger end diameter of conical taper of the fitted part (dimension d_1 of Table 2).
- b) **short shaft end** In a conical shaped body, the shaft end of which the length is equal to the larger end diameter or nearly equal.
- c) **long shaft end** In a conical shaped body, the shaft end of which the length is 1.5 times the larger end diameter or nearly equal.

4 Classification The shaft ends shall be classified into two types of the short shaft end and the long shaft end, and the relation of the length between them is given in Table 1.