

JIS

JAPANESE INDUSTRIAL STANDARD

System of cone fits

JIS B 0616^{—1996}

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B 0616-1996

1. Scope This Japanese Industrial Standard specifies the system of cone fits to be applied to the conical workpieces from $\frac{1}{3}$ to $\frac{1}{500}$ in rate of taper, over 6 mm to 630 mm or under in cone length, 500 mm or under in cone diameter, and toleranced in accordance with the method (method 1) by the cone diameter tolerances specified in JIS B 0614.

Further, the calculations of basic displacement and fit displacement are in accordance with the Annex.

Remarks 1. The standards cited in this Standard are given in the following:

JIS B 0154 Vocabulary of cones

JIS B 0401 System of limits and fits

JIS B 0612 Conical tapers

JIS B 0614 System of cone tolerances

2. The International Standard corresponding to this Standard is given in the following:

ISO 5166: 1982 System of cone fits for cones from $C = 1 : 3$ to $1 : 500$, lengths from 6 to 630 mm and diameter diameters up to 500 mm

2. Definitions For the purpose of this Standard, in addition to those given in JIS B 0154, B 0401 and B 0614, the following definitions apply.

(1) basic plane The plane of section perpendicular to cone axis defining the basic cone diameter (see Fig. 1).

(2) datum plane A plane perpendicular to the cone axis, used for defining the axial positions of basic plane or of one cone and the other cone to be assembled together (see Figs. 1, 3 and 4).

Remarks: The basic plane and datum plane of a cone may coincide in some cases.