UDC 62-434

JIS

JAPANESE INDUSTRIAL STANDARD

Conical Tapers

JIS B 0612—1987

Translated and Published

by

Japanese Standards Association

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B 0612

In the event of any doubt arising,

the original Standard in Japanese is to be final authority.

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Conical Tapers

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1. Scope

This Japanese Industrial Standard specifies the reference values of taper angles and taper ratios for expressing the conical tapers to be used in machines.

2. Definitions and Quantitative Symbols

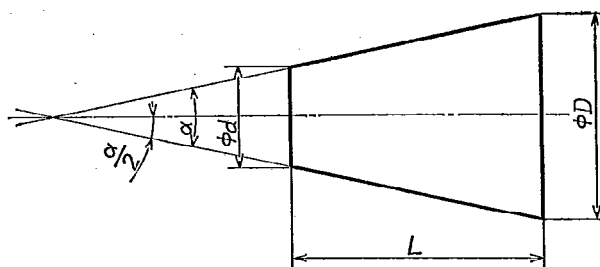For the purposes of this Standard the following definitions and quantitative definitions apply:

(1) cone A right circular cone surface([1]) or a right circular conical part([2]) which has been determined by geometrical dimensions.

Notes ([1]) A surface of rotation given by rotating a straight line around an axial line intersecting it.

([2]) A workpiece or part of a workpiece of which the principal portion is the right circular cone surface.

(2) taper angle, α A angle formed by a pair of generating lines of a cone as measured in the section including the axial line (see Figure).

Figure. Dimensions of Cone

Corresponding International Standard:

ISO 1119 Series of conical tapers and taper angles

Reference Standards:

JIS B 0154-Glossary of Terms Used for Cones

JIS B 0614-Cone Tolerances

JIS B 0616-Cone Fits

JIS B 7506-Gauges Blocks

JIS B 7523-Sine Bars

JIS Z 8601-Preferred Numbers

ISO 3040-Technical drawings-Dimensioning and tolerancing cones