

JIS

JAPANESE INDUSTRIAL STANDARD

**Definitions and Designations of
Geometrical Deviations**

JIS B 0621 —1984

Translated and Published

by

Japanese Standards Association

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

Errata for JIS (English edition) are printed in *Standardization Journal*, published monthly by the Japanese Standards Association.

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Errata are also provided to subscribers of JIS (English edition) in *Monthly Information*.

Definitions and Designations of
Geometrical DeviationsB 0621-1984
(Reaffirmed: 1994)1. Scope

This Japanese Industrial Standard specifies the definitions and designations of the formal deviations, orientational deviations, locational deviations, and run-outs, hereinafter generically referred to as the "geometrical deviations", of the considered objects.

Remark: The methods of designation and diagrammatical indication of geometrical tolerances which are the permissible values of geometrical deviations shall be based on JIS B 0021.

2. Definition

The definitions of the main terms used in this standard shall be as follows:

- (1) feature A point, line, axis, surface, or median surface as the object of geometrical deviations.
- (2) single feature A feature for which geometrical deviations are determined without relation to datums.
- (3) related feature A feature for which geometrical deviations are determined in relation to datums.
- (4) datum A theoretically exact geometrical reference established for determining the orientational deviation, locational deviation, run-outs, and the like of a feature. For example, where the geometrical reference is a point, straight line, axial straight line ⁽¹⁾, plane, or median plane, it is referred to as a datum point, datum straight line, datum axial straight line, datum plane, or datum median plane, respectively.

Note ⁽¹⁾ The axial straight line means an axis without any formal deviation, that is, an axis which is a geometrically exact straight line.

Remark: Details about datums shall be as specified in JIS B 0022.

Applicable Standards:

JIS B 0021-Indications of Geometrical Tolerances on Drawings

JIS B 0022-Datums and Datum-systems for Geometrical Tolerances