

# ISO 3040:2009-12 (E)

## Geometrical product specifications (GPS) - Dimensioning and tolerancing - Cones

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Graphical symbol for a cone .....	2
5	Dimensioning of cones .....	2
5.1	Characteristics of cones .....	2
5.2	Indication of rate of taper on drawings .....	4
5.3	Standardized series of cones .....	4
6	Tolerancing of cones .....	5
6.1	General .....	5
6.2	Tolerancing of cone, cone angle specified .....	5
6.3	Tolerancing of cone; rate of taper specified .....	6
6.4	Tolerancing zone of cone simultaneously defining the axial location of the cone .....	7
6.5	Tolerancing of cone relative to a datum system (simultaneously defining coaxiality) .....	8
Annex A (informative)	Former practice -- Tolerancing of cone separate from the tolerance of the axial location of the cone .....	9
Annex B (informative)	Relation to the GPS matrix model .....	10
Bibliography .....		11