

ISO 25178-1:2016-04 (E)

Geometrical product specifications (GPS) - Surface texture: Areal - Part 1: Indication of surface texture

Contents		Page
Foreword		iv
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Graphical symbols for the indication of areal surface texture	1
5	Composition of complete graphical symbol for areal surface texture	3
5.1	General	3
5.2	Positions of surface texture requirements	3
6	Indication of areal surface parameters	4
6.1	Definition of the tolerance	4
6.2	Definition of the parameter	5
6.3	Indication of manufacturing method or related information	5
6.4	Indication of surface lay	5
6.5	Indication of machining allowance	7
6.6	Position on drawings and other technical product documentation	7
6.7	Proportions and dimensions of graphical symbols	7
6.8	Orientation of the evaluation area	7
7	Coordinate system	7
8	Digital product definition data	8
	Annex A (normative) Proportions and dimensions of graphical symbols	9
	Annex B (normative) Indications for unambiguous surface texture specifications	11
	Annex C (informative) Examples of indications of areal surface texture requirements	15
	Annex D (informative) Recommended procedures for indication of intersection planes	19
	Annex E (informative) ISO special specification elements for areal surface texture	22
	Annex F (informative) Relation to the GPS matrix model	24
	Bibliography	25