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