

ISO 21920-3:2021-12 (E)

Geometrical product specifications (GPS) - Surface texture: Profile - Part 3: Specification operators

Contents	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Complete specification operator.....	2
4.1 Introduction.....	2
4.2 General.....	2
4.3 General default settings.....	2
4.4 Default settings based on the specification.....	3
4.4.1 General rules.....	3
4.4.2 Default settings based on N_{ic} or Scn	4
4.4.3 Default settings for Ra, Rq, Rz, Rp, Rv, Rzx and Rt based on the upper tolerance limit.....	5
4.4.4 Default settings for Ra, Rq, Rz, Rp, Rv, Rzx and Rt based on bilateral tolerance limits.....	6
4.4.5 Default settings for Ra, Rq, Rz, Rp, Rv, Rzx and Rt based on the lower tolerance limit.....	7
4.4.6 Default settings for Pt.....	7
5 Default attribute values for parameters from ISO 21920-2.....	8
5.1 General.....	8
5.2 Default attribute values for height parameters and spatial parameters.....	8
5.3 Default attribute values for material ratio functions and related parameters.....	8
5.4 Default attribute values for volume parameters.....	9
5.5 Default attribute values for feature parameters.....	9
6 Default units for parameters from ISO 21920-2.....	9
6.1 General.....	9
6.2 Height parameters.....	10
6.3 Spatial parameters.....	10
6.4 Hybrid parameters.....	10
6.5 Material ratio functions and related parameters.....	10
6.6 Volume parameters.....	11
6.7 Feature parameters.....	11
Annex A (informative) How to determine specification operators.....	13
Annex B (informative) Examples of the determination of default settings.....	15
Annex C (informative) Major changes from ISO 4288.....	23
Annex D (informative) Settings for profile surface texture evaluation in the absence of a specification.....	24
Annex E (informative) Overview of profile and areal standards in the GPS matrix model.....	27
Annex F (informative) Relation with the GPS matrix.....	28
Bibliography.....	29