ISO 1660:2017-02 (E)

Geometrical product specifications (GPS) - Geometrical tolerancing - Profile tolerancing

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols 2

5 Rules for profile tolerancing 3
5.1 General 3
5.2 Default rules for profile tolerancing 4
5.2.1 Rule A: Definition of the theoretically exact feature (TEF) 4
5.2.2 Rule B: Type of toleranced feature 5
5.2.3 Rule C: Definition of the tolerance zone 5
5.3 Rules for profile tolerancing using additional specification elements 7
5.3.1 Rule D: Toleranced feature specification elements 7
5.3.2 Rule E: Unequally disposed tolerance zone 8
5.3.3 Rule F: Linear tolerance zone offset 8
5.3.4 Rule G: Angular tolerance zone offset 8
5.3.5 Rule H: Variable tolerance zone width 8
5.3.6 Rule I: Filtered feature specification elements 8
5.3.7 Rule J: Association and parameter specification elements 9
5.3.8 Rule K: Associated toleranced feature specification elements 9
5.3.9 Rule L: Non-rigid part 9

Annex A (informative) Compound features 10

Annex B (informative) Illustration of the rules 12

Annex C (informative) Former practices 42

Annex D (informative) Relation to the GPS matrix model 44

Bibliography 45