DIN EN ISO 8015:2011-09 (E)

Geometrical product specifications (GPS) - Fundamentals - Concepts, principles and rules (ISO 8015:2011)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Fundamental assumptions for the reading of specifications on drawings 6
4.1 General 6
4.2 Functional limits 6
4.3 Tolerance limits 6
4.4 Workpiece functional level 6

5 Fundamental principles 6
5.1 Invocation principle 6
5.2 Principle of GPS standard hierarchy 7
5.3 Definitive drawing principle 7
5.4 Feature principle 8
5.5 Independency principle 8
5.6 Decimal principle 8
5.7 Default principle 8
5.8 Reference condition principle 9
5.9 Rigid workpiece principle 9
5.10 Duality principle 9
5.11 Functional control principle 9
5.12 General specification principle 10
5.13 Responsibility principle 10

6 Rules for indication of default specification operators 10
6.1 General 10
6.2 General ISO default GPS specification 10
6.3 Altered default GPS specification 11

7 Rules for indication of special specification operators 12
7.1 General 12
7.2 Added complementary information (requirements) to the ISO basic specification 12

8 Rules for statements in parentheses 12

Annex A (informative) Relation to the GPS matrix model 13

Bibliography 14