

DIN EN ISO 13385-1:2011-12 (E)

Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 1: Callipers; Design and metrological characteristics (ISO 13385-1:2011)

Contents	Page
Foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Design characteristics	6
4.1 General design and nomenclature	6
4.2 Dimensions	8
4.3 Types of indicating devices	8
4.4 Measuring faces	11
5 Metrological characteristics	11
5.1 General	11
5.2 Effect of slider locking	11
5.3 Maximum permissible error of indication (limited by MPE)	11
5.4 MPE and MPL for a number of metrological characteristics	12
6 Indication in product documentation and data sheets	12
7 Proof of conformance with specifications	13
7.1 General	13
7.2 Measurement standards for the calibration of metrological characteristics	13
8 Marking	14
Annex A (informative) Error tests	15
Annex B (informative) Advice on application	18
Annex C (informative) Examples of different types of callipers	19
Annex D (informative) Examples of types of measurements	20
Annex E (informative) Data sheet (example)	21
Annex F (informative) Calibration of metrological characteristics	22
Annex G (informative) Relation to the GPS matrix model	23
Bibliography	2