ISO 13385-2:2020-05 (E)

Geometrical product specifications (GPS) - Dimensional measuring equipment - Part 2: Design and metrological characteristics of calliper depth gauges

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Design characteristics 2
4.1 General design and nomenclature 2
4.2 Dimensions 4

5 Metrological characteristics 4
5.1 General 4
5.2 Rated operating conditions 4
5.3 Reference point 4
5.4 Test methods 5
5.5 Partial surface contact error, E (limited by EMPE) 5
5.6 Shift error, S (limited by SMPE) 6
5.7 MPE values 7
5.8 Special cases 7

6 Determination of conformity to specifications 8
6.1 General 8
6.2 Measurement uncertainty 8
6.3 Decision rule 8

7 Marking 9

Annex A (informative) Calibration guidelines for metrological characteristics 10

Annex B (normative) Default MPE values for metrological characteristics 11

Annex C (informative) Relation to the GPS matrix model 12

Bibliography 13