DIN ISO 11093-4:2023-04 (E)

Paper and board - Testing of cores - Part 4: Measurement of dimensions (ISO 11093-4:2022)

Contents

Page

National foreword ... **3**

National Annex NA (informative) **Bibliography** ... **5**

Foreword ... **6**

1 Scope ... **7**

2 Normative references ... **7**

3 Terms and definitions ... **7**

4 Sampling ... **8**

5 Conditioning ... **8**

6 Measurement of internal diameters ... **8**
6.1 General ... 8
6.2 Method A ... 9
6.2.1 Apparatus ... 9
6.2.2 Procedure ... 9
6.3 Method B ... 9
6.3.1 Apparatus ... 9
6.3.2 Procedure ... 9
6.4 Method C ... 9
6.4.1 Apparatus ... 9
6.4.2 Procedure ... 9
6.5 Method D ... 10

7 Measurement of external diameters ... **10**
7.1 General ... 10
7.2 Method E ... 10
7.2.1 Apparatus ... 10
7.2.2 Procedure ... 10
7.3 Method F ... 11
7.3.1 Apparatus ... 11
7.3.2 Procedure ... 11
7.4 Method G ... 11
7.4.1 Apparatus ... 11
7.4.2 Procedure ... 11

8 Measurement of wall thickness ... **12**
8.1 General ... 12
8.2 Method H ... 12
8.2.1 Apparatus ... 12
8.2.2 Procedure ... 12
8.3 Method I ... 12
8.3.1 Apparatus ... 12
8.3.2 Procedure ... 12
8.4 Method J ... 13

9 Measurement of length ... **13**
9.1 Apparatus ... 13
9.2 Procedure ... 13

10 Test report ... **13**

Annex A (informative) **Example of an internal-tri-point micrometer** ... **14**

Annex B (informative) **Examples of vernier callipers** ... **15**

Annex C (informative) **Other examples** ... **18**

Bibliography ... **19**