

# ISO 11093-4:2022-03 (E)

## Paper and board - Testing of cores - Part 4: Measurement of dimensions

---

Contents	Page
<b>Foreword</b>	iv
<b>1 Scope</b>	1
<b>2 Normative references</b>	1
<b>3 Terms and definitions</b>	1
<b>4 Sampling</b>	2
<b>5 Conditioning</b>	2
<b>6 Measurement of internal diameters</b>	2
6.1 General	2
6.2 Method A	3
6.2.1 Apparatus	3
6.2.2 Procedure	3
6.3 Method B	3
6.3.1 Apparatus	3
6.3.2 Procedure	3
6.4 Method C	3
6.4.1 Apparatus	3
6.4.2 Procedure	3
6.5 Method D	4
<b>7 Measurement of external diameters</b>	4
7.1 General	4
7.2 Method E	4
7.2.1 Apparatus	4
7.2.2 Procedure	4
7.3 Method F	5
7.3.1 Apparatus	5
7.3.2 Procedure	5
7.4 Method G	5
7.4.1 Apparatus	5
7.4.2 Procedure	5
<b>8 Measurement of wall thickness</b>	6
8.1 General	6
8.2 Method H	6
8.2.1 Apparatus	6
8.2.2 Procedure	6
8.3 Method I	6
8.3.1 Apparatus	6
8.3.2 Procedure	6
8.4 Method J	7
<b>9 Measurement of length</b>	7
9.1 Apparatus	7
9.2 Procedure	7
<b>10 Test report</b>	7
<b>Annex A (informative) Example of an internal-tri-point micrometer</b>	8
<b>Annex B (informative) Examples of vernier callipers</b>	9
<b>Annex C (informative) Other examples</b>	12
<b>Bibliography</b>	13