

# DIN EN ISO 4671:2022-07 (E)

## Rubber and plastics hoses and hose assemblies - Methods of measurement of the dimensions of hoses and the lengths of hose assemblies (I SO 4671:2022)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Foreword .....		5
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	6
4	Test piece conditioning and temperature of measurement .....	6
4.1	Conditioning of test pieces .....	6
4.2	Measurement temperature .....	6
5	Measurement of inside diameter .....	7
5.1	General .....	7
5.2	Method 1 .....	7
5.3	Method 2 .....	7
5.4	Method 3 .....	7
5.5	Method 4 .....	8
5.6	Method 5 .....	8
5.7	Method 6 .....	8
5.8	Method 7 .....	8
6	Measurement of outside diameter .....	8
6.1	General .....	8
6.2	Method 1 .....	8
6.3	Method 2 .....	8
6.4	Method 3 .....	8
6.5	Method 4 .....	9
6.6	Method 5 .....	9
7	Measurement of diameter over reinforcement .....	9
8	Measurement of wall thickness .....	9
8.1	General .....	9
8.2	Method 1 .....	9
8.3	Method 2 .....	9
8.4	Method 3 .....	10
8.5	Method 4 .....	10
9	Measurement of concentricity .....	10
9.1	General .....	10
9.2	Method 1 .....	10
9.3	Method 2 .....	11
9.4	Method 3 .....	11
9.5	Method 4 .....	11
9.6	Method 5 .....	11
10	Measurement of lining and cover thickness .....	11
10.1	General .....	11

10.2	Method 1 .....	11
10.3	Method 2 .....	12
10.4	Method 3 .....	13
11	Measurement of length and identification of measurement points .....	13
11.1	Measurement of length .....	13
11.2	Measurement points .....	13
11.2.1	Hoses .....	13
11.2.2	Hose assemblies .....	13
12	Verification of through-bore of hose assemblies .....	15
13	Test report .....	15
	Bibliography .....	16