

# DIN EN 12342:2010-01 (E)

## Breathing tubes intended for use with anaesthetic apparatus and ventilators (includes Amendment A1:2009)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1 Scope .....		5
2 Normative references .....		5
3 Definitions .....		5
4 Materials .....		7
5 Design .....		7
6 Length .....		7
7 Resistance to flow .....		7
8 Means of connection .....		8
9 Leakage .....		8
10 Increase in flow resistance with bending .....		9
11 Compliance of breathing tubes .....		9
12 Information to be supplied by the manufacturer .....		9
13 Electrical resistance .....		9
14 Requirements for breathing tubes supplied sterile .....		9
15 Marking .....		10
Annex A (normative) Resistance to air flow .....		12
Annex B (normative) Method of testing security of attachment of plain end to appropriately-sized male conical connector .....		14
Annex C (normative) Method of testing security of attachment of adaptor to breathing tube .....		15
Annex D (normative) Method of testing leakage .....		16
Annex E (normative) Method of testing increase in flow resistance with bending .....		18
Annex F (normative) Method of testing compliance .....		20
Annex G (informative) Recommendations for materials and design .....		21
Annex H (informative) Bibliography .....		22
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 93/42/EEC .....		23