DIN EN ISO 3630-4:2023-12 (E)

Dentistry - Endodontic instruments - Part 4: Auxiliary instruments (ISO 3630-4:2023)

Contents

Page

European Foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Terms and definitions ... **5**

4 Classification and symbols ... **6**
4.1 Classification ... 6
4.2 Symbols ... 6

5 Requirements ... **7**
5.1 Material ... 7
5.2 Dimensions ... 7
5.2.1 General ... 7
5.2.2 Barbed broaches — Type 1 instruments ... 7
5.2.3 Paste carriers — Type 2 instruments ... 8
5.2.4 Explorers and cotton broaches — Type 3 instruments ... 9
5.2.5 Cannulae — Type 4 instruments ... 10
5.3 Colour designation and size marking with rings ... 11
5.4 Mechanical requirements ... 11
5.4.1 Resistance to fracture by twisting (torque) and angular deflection — Types 1 and 3 ... **11**
5.4.2 Stiffness — Resistance to bending — Types 1 and 3 ... 12
5.4.3 Handle or shank security — Types 1, 2 and 3 instruments ... 12
5.4.4 Resistance to fatigue — Type 2 ... 12
5.4.5 Resistance to breakage or cracking — Type 4 ... 13
5.5 Reprocessing ... 13
5.6 Heat effects of sterilization ... 13
5.6.1 General ... 13
5.6.2 Single-use instruments (supplied non-sterile) ... 13
5.6.3 Multi-use instruments ... 13

6 Sampling ... **13**

7 Testing ... **14**
7.1 General ... 14
7.2 Dimensions ... 14
7.2.1 General ... 14
7.2.2 Barbed broaches ... 14
7.2.3 Paste carriers — Type 2 instruments ... 15

8 Product information ... **15**
8.1 Marking ... 15
8.2 Labelling ... 16
8.3 Packaging ... 16
8.4 Instructions for use ... 16

Annex A (normative) **Test method for resistance of cannula to breakage or cracking** ... **17**

Annex B (normative) **Test method for resistance of cannula to corrosion** ... **22**

Bibliography ... **23**