

ISO 3630-4:2023-08 (E)

Dentistry - Endodontic instruments - Part 4: Auxiliary instruments

| Contents | | Page |
|----------------------------|---|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Classification and symbols | 2 |
| 4.1 | Classification | 2 |
| 4.2 | Symbols | 2 |
| 5 | Requirements | 3 |
| 5.1 | Material | 3 |
| 5.2 | Dimensions | 3 |
| 5.2.1 | General | 3 |
| 5.2.2 | Barbed broaches -- Type 1 instruments | 3 |
| 5.2.3 | Paste carriers -- Type 2 instruments | 4 |
| 5.2.4 | Explorers and cotton broaches -- Type 3 instruments | 5 |
| 5.2.5 | Cannulae -- Type 4 instruments | 6 |
| 5.3 | Colour designation and size marking with rings | 7 |
| 5.4 | Mechanical requirements | 7 |
| 5.4.1 | Resistance to fracture by twisting (torque) and angular deflection -- Types 1 and 3 | 7 |
| 5.4.2 | Stiffness -- Resistance to bending -- Types 1 and 3 | 8 |
| 5.4.3 | Handle or shank security -- Types 1, 2 and 3 instruments | 8 |
| 5.4.4 | Resistance to fatigue -- Type 2 | 8 |
| 5.4.5 | Resistance to breakage or cracking -- Type 4 | 9 |
| 5.5 | Reprocessing | 9 |
| 5.6 | Heat effects of sterilization | 9 |
| 5.6.1 | General | 9 |
| 5.6.2 | Single-use instruments (supplied non-sterile) | 9 |
| 5.6.3 | Multi-use instruments | 9 |
| 6 | Sampling | 9 |
| 7 | Testing | 10 |
| 7.1 | General | 10 |
| 7.2 | Dimensions | 10 |
| 7.2.1 | General | 10 |
| 7.2.2 | Barbed broaches | 10 |
| 7.2.3 | Paste carriers -- Type 2 instruments | 11 |
| 8 | Product information | 11 |
| 8.1 | Marking | 11 |
| 8.2 | Labelling | 12 |
| 8.3 | Packaging | 12 |
| 8.4 | Instructions for use | 12 |
| Annex A (normative) | Test method for resistance of cannula to breakage or cracking | 13 |
| Annex B (normative) | Test method for resistance of cannula to corrosion | 18 |
| Bibliography | | 19 |