DIN EN ISO 7711-1:2025-06 (E)

Dentistry - Diamond rotary instruments - Part 1: General requirements (ISO 7711-1:2021 + Amd 1:2025) (includes Amendment A1:2025)

Contents

Page

Foreword iv

A1 Foreword to Amendment A1 v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols 3

5 Requirements 3
5.1 Material 3
5.1.1 Blank 3
5.1.2 Shank hardness 3
5.1.3 Working part 3
5.2 Designation, colour code, grit sizes 3
5.2.1 Designation 3
5.2.2 Colour code 3
5.2.3 Grit size distribution 4
5.2.4 Grit sizes 4
5.3 Dimensions 4
5.3.1 Designated dimensions of overall length 4
5.3.2 Designated dimensions of the shank 6
5.3.3 Dimensions of working part 6
5.4 Bending test to verify the instrument strength 7
5.4.1 General 7
5.4.2 Effect on run-out 7
5.4.3 Breaking test 7
5.5 Resistance to processing and reprocessing 8

6 Measurement and test methods 8
6.1 Sampling 8
6.2 Testing of the dimensions 9
6.3 Testing of the run-out 9
6.4 Testing of resistance to processing and reprocessing 9
6.4.1 Sampling 9
6.4.2 Equipment 9
6.4.3 Reagent 9
6.4.4 Preparation of the test piece 9
6.4.5 Procedure 9
6.5 Visual inspection 9

7 Marking and packaging 10
7.1 Marking on diamond rotary instruments 10
7.2 Labelling on the package 10

8 Instructions for use, processing and reprocessing 10

Bibliography 11