

DIN EN ISO 8325:2023-06 (E)

Dentistry - Test methods for rotary instruments (ISO 8325:2023)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		6
4 Measurement and test methods		7
4.1 General		7
4.2 Ambient conditions		7
4.3 Measurements		7
5 Measurement of single characteristics		7
5.1 Measuring instrument		7
5.2 Shape of the working part		7
5.3 Diameter of the working part		7
5.3.1 Location of measurement points		7
5.3.2 Procedure		8
5.3.3 Evaluation of test results		8
5.4 Neck diameter		8
5.4.1 Location of measurement points		8
5.4.2 Procedure		8
5.5 Dimensions of shanks		8
5.5.1 Shank diameter		8
5.5.2 Shank length		9
5.6 Dimensions of mandrels		9
5.7 Length of working part		9
5.7.1 Location of measurement points		9
5.7.2 Procedure		9
5.8 Overall length		9
5.8.1 Location of measurement points		9
5.8.2 Procedure		9
5.9 Angle of taper of working part		9
5.9.1 Location of measurement points		9
5.9.2 Procedure		9
5.10 Run-out of the working part		10
5.10.1 Apparatus		10
5.10.2 Location of measurement points		11
5.10.3 Procedure		11
5.11 Neck strength test		11
5.11.1 Apparatus		11
5.11.2 Test force		12
5.11.3 Procedure		12
5.11.4 Calculation of test force for neck strength		12
5.11.5 Evaluation		13
5.12 Surface roughness		13
6 Test report		13
Annex A (informative) Deduction of the neck strength formula		14