
**Dentistry — Diamond rotary
instruments —**

**Part 1:
General requirements**

Médecine bucco-dentaire — Instruments rotatifs diamantés —

Partie 1: Exigences générales

**(<https://standards.iteh.ai>)
Document Preview**

[ISO 7711-1:2021](https://standards.iteh.ai/catalog/standards/iso/e72876b5-af49-4c6c-b4d1-5083d0ae3040/iso-7711-1-2021)

<https://standards.iteh.ai/catalog/standards/iso/e72876b5-af49-4c6c-b4d1-5083d0ae3040/iso-7711-1-2021>



iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 7711-1:2021](https://standards.iteh.ai/catalog/standards/iso/e72876b5-af49-4c6c-b4d1-5083d0ae3040/iso-7711-1-2021)

<https://standards.iteh.ai/catalog/standards/iso/e72876b5-af49-4c6c-b4d1-5083d0ae3040/iso-7711-1-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword.....	iv
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.....	8
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