ISO 22880:2016-12 (E)

Castors and wheels - Requirements for castors for swivel chairs

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Dimensionsandclassification 1
4.1 Characteristics 1
4.2 Fixing system 1
4.3 Castor type 1
4.3.1 General 1
4.3.2 Type H 2
4.3.3 Type W 2
4.3.4 Type C 2
4.3.5 Type U 3
4.4 Dimensions 3

5 Requirements for testing 3
5.1 General 3
5.2 Standard conditions 3
5.2.1 Environmental conditions 3
5.2.2 Test sequences 4
5.3 Impact performance 4
5.3.1 Test objectives, apparatus and procedures 4
5.3.2 Test values 4
5.3.3 Tolerances 4
5.3.4 Acceptance criteria 5
5.4 Electrical resistance test 5
5.4.1 Test objectives, apparatus and procedures 5
5.4.2 Test values 5
5.4.3 Tolerances 5
5.4.4 Acceptance criteria 5
5.5 Contact pressure 5
5.5.1 Test objectives, apparatus and procedures 5
5.5.2 Test values 5
5.5.3 Tolerances 6
5.5.4 Acceptance criteria 6
5.6 Item retention 6
5.6.1 Test objectives, apparatus and procedures 6
5.6.2 Test values 6
5.6.3 Acceptance criteria 6
5.7 Static load performance 6
5.7.1 Test objectives, apparatus and procedures 6
5.7.2 Test values 7
5.7.3 Tolerances 7
5.7.4 Acceptance criteria 7
5.8 Brake performance of Type U castors 7
5.8.1 Test objectives, apparatus and procedures 7

5.8.2 Test values 7
5.8.3 Tolerances 7
5.8.4 Acceptance criteria 8
5.9 Dynamic test 8
5.9.1 Test objectives, apparatus and procedures 8
5.9.2 Test values 8
5.9.3 Tolerances 8
5.9.4 Acceptance criteria 9
5.10 Long distance running 9
5.10.1 Test objectives, apparatus and procedures 9
5.10.2 Test values 9
5.10.3 Tolerances 9
5.10.4 Acceptance criteria 9
5.11 Rolling resistance 10
5.11.1 Test objectives, apparatus and procedures 10
5.11.2 Test values 10
5.11.3 Tolerances 10
5.11.4 Acceptance criteria 10
5.12 Swivel resistance 10
5.12.1 Test objectives, apparatus and procedures 10
5.12.2 Test values 10
5.12.3 Tolerances 10
5.12.4 Acceptance criteria 11

6 Conformity 11

7 Marking 11
7.1 Product marking 11
7.2 Marking of electrically conductive or antistatic castors/wheels 11

Bibliography 12