ISO 22882:2016-12 (E)

Castors and wheels - Requirements for castors for hospital beds

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 Dimensions 1
4.3 Fixing system 2
4.4 Load capacity 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 sequence 3
5.3 Initial wheel play 4
5.3.1 Test objectives, apparatus and procedures 4
5.3.2 Acceptance criteria 4
5.4 Initial swivel play 4
5.4.1 Test objectives, apparatus and procedures 4
5.4.2 Acceptance criteria 4
5.5 Electrical resistance test 4
5.5.1 Test objectives, apparatus and procedures 4
5.5.2 Test values 4
5.5.3 Tolerances 5
5.5.4 Acceptance criteria 5
5.6 Fatigue test for locking/braking device 5
5.6.1 Test objectives, apparatus and procedures 5
5.6.2 Test values 5
5.6.3 Tolerances 5
5.6.4 Acceptance criteria 6
5.7 Efficiency check of wheel braking and/or locking device 6
5.7.1 Test objectives, apparatus and procedures 6
5.7.2 Test values 6
5.7.3 Tolerances 6
5.7.4 Acceptance criteria 6
5.8 Efficiency check of swivel braking and/or locking device 6
5.8.1 Test objectives, apparatus and procedures 6
5.8.2 Test values 6
5.8.3 Tolerances 7
5.8.4 Acceptance criteria 7
5.9 Static test 7
5.9.1 Test objectives, apparatus and procedures 7
5.9.2 Test values 7
5.9.3 Tolerances 7
5.9.4 Acceptance criteria 8

5.10 Dynamic test 8
5.10.1 Test objectives, apparatus and procedures 8
5.10.2 Test values 8
5.10.3 Tolerances 8
5.10.4 Acceptance criteria 9
5.11 Efficiency check of wheel braking and/or locking device 9
5.12 Efficiency check of swivel braking and/or locking device 9
5.13 Final wheel play 9
5.13.1 Test objectives, apparatus and procedures 9
5.13.2 Acceptance criteria 9
5.14 Final swivel play 10
5.14.1 Test objectives, apparatus and procedures 10
5.14.2 Acceptance criteria 10

6 Conformity 10

7 Marking 10
7.1 Product marking 10
7.2 Marking of electrically conductive or antistatic castors/wheels 10

Bibliography 11