

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	Terms and definitions	1
4	Dimensions and classification	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