

ISO 7176-32:2022-05 (E)

Wheelchairs - Part 32: Test method for wheelchair castor assembly durability

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Castor assembly classification	2
5	Strength requirements	2
6	Test apparatus	2
6.1	Corrosion testing machine	2
6.2	Fatigue testing machine	3
6.2.1	Testing machine description	3
6.2.2	Abrasion surface	3
6.2.3	Obstacle profile	3
6.2.4	Obstacle placement	3
6.2.5	Castor assembly loading	4
7	Test preparation	4
7.1	Preparation of the castor stem assembly holder and support arm	4
7.2	Setup of the turntable	4
7.3	Abrasion surface	4
7.4	Environmental conditions	4
7.5	Castor assembly loading conditions	5
8	Test procedure	7
8.1	Test sequence	7
8.2	Fatigue and abrasion test procedure	7
8.3	Corrosion test procedure	7
8.4	Evaluation of test results	7
9	Disclosure requirements	8
10	Test report	8
Annex A (informative) Castor assembly testing system example		9
Annex B (informative) Castor assembly testing report		11
Bibliography		12