

ISO 7176-1:2014-10 (E)

Wheelchairs - Part 1: Determination of static stability

Contents	Page
Foreword	iv
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principles	2
4.1 Static stability	2
4.2 Effectiveness of anti-tip devices	4
5 Apparatus	4
6 Set-up procedure	5
7 General test procedure	6
8 Test for static stability in the forward direction	6
8.1 General	6
8.2 Wheels unlocked and the wheelchair in the least stable configuration	7
8.3 Downhill wheels locked and the wheelchair in the least stable configuration	8
8.4 Wheels unlocked and the wheelchair in the most stable configuration	10
8.5 Downhill wheels locked and the wheelchair in the most stable configuration	11
9 Test for static stability in the rearward direction	11
9.1 General	11
9.2 Wheels unlocked and the wheelchair in the least stable configuration	12
9.3 Wheels locked and the wheelchair in the least stable configuration	13
9.4 Wheels unlocked and the wheelchair in the most stable configuration	15
9.5 Wheels locked and the wheelchair in the most stable configuration	15
10 Test for static stability, lateral orientation	15
10.1 General	15
10.2 Wheelchair in the least stable configuration	16
10.3 Wheelchair in the most stable configuration	21
11 Test for static stability with forward or rearward anti-tip devices	21
11.1 General	21
11.2 Anti-tip devices in the least effective configuration	21
11.3 Anti-tip devices in the most effective configuration	24
11.4 Test for effectiveness of anti-tip devices	25
12 Test report	26
13 Information disclosure	27
Annex A (informative) Means to prevent wheels or posts from sliding	28