DIN EN ISO 11334-4:2025-01 (E)

Assistive products for walking, manipulated by one arm - Requirements and test methods - Part 4: Walking sticks with three or more legs (ISO 11334-4:2024)

Contents

Page

European foreword ... **4**

Foreword ... **5**

Introduction ... **6**

1 Scope ... **7**

2 Normative references ... **7**

3 Terms and definitions ... **7**

4 Apparatus ... **11**

5 Test conditions ... **12**

6 General requirements and test methods ... **13**
6.1 Risk analysis ... 13
6.2 Maximum user mass/load limits ... 13
6.3 Structural requirements ... 13
6.3.1 Handgrip ... 13
6.3.2 Adjustment mechanisms and locking devices ... 13
6.3.3 Leg section and tips ... 13
6.3.4 Leg height from the ground of the walking stick for outside use ... 13
6.3.5 Shaft distance from the user ... 14

7 Materials ... **14**
7.1 General ... 14
7.2 Biocompatibility and toxicity ... 14
7.3 Infection and microbiological contamination ... 15
7.3.1 General ... 15
7.3.2 Cleaning and disinfection ... 15
7.4 Resistance to corrosion ... 15

8 Temperatures of parts that come in contact with human skin ... **15**

9 Prevention of traps for parts of the human body ... **15**
9.1 Holes and clearances ... 15
9.2 V-shape openings ... 16

10 Surfaces, corners and edges ... **16**

11 Static stability ... **16**
11.1 Requirements for static stability ... 16
11.1.1 Inward direction static stability ... 16
11.1.2 Outward direction, forward direction and backward direction static stability ... 16
11.2 Test methods for static stability ... 16
11.2.1 Inward direction static stability test ... 16
11.2.2 Outward direction, forward direction and backward direction static stability test ... 16

12 Static strength ... **18**
12.1 Static strength of walking sticks ... 18
12.1.1 Requirements for static strength of walking sticks ... 18
12.1.2 Test method for static strength of walking sticks ... 18
12.1.3 Alternative test method for static strength of walking sticks ... 18
12.2 Static strength for the legs and separation part ... 19
12.2.1 Requirements for static strength of the legs and separation part ... 19
12.2.2 Test methods for static strength of the legs and separation part ... 19

13 Durability **20**
13.1 Requirements for durability 20
13.2 Test method for durability 20
13.3 Alternative test method for durability 21

14 Information supplied by the manufacturer **21**
14.1 General 21
14.2 Information marked on the product 21
14.3 Instructions for use 22
14.4 Test report 22

Bibliography **24**