DIN EN ISO 11199-2:2025-04 (E)

Assistive products for walking manipulated by both arms - Requirements and test methods - Part 2: Rollators (ISO 11199-2:2021 + Amd 1:2024) (includes Amendment A1:2024)

Contents

Page

European foreword **4**

[A1] European foreword to Amendment 1 [A1] **5**

Foreword **6**

[A1] Foreword to Amendment 1 [A1] **7**

Introduction **8**

1 Scope **9**

2 Normative references **9**

3 Terms and definitions **9**

4 Apparatus **15**

5 Test conditions **16**

6 General requirements and test methods **17**
6.1 Risk analysis 17
6.2 Rollators that can be dismantled 17
6.3 Fasteners 17
6.4 User mass/load limit 17
6.5 Structure requirements 17
6.6 Brakes 18
6.6.1 General requirements 18
6.6.2 Brake effectiveness 18
6.6.3 Durability of brakes 19
6.7 Handgrip 19

7 Materials **19**
7.1 General 19
7.2 Flammability 20
7.2.1 General 20
7.2.2 Upholstered parts 20
7.3 Biocompatibility and toxicity 20
7.4 Infection and microbiological contamination 20
7.4.1 General 20
7.4.2 Cleaning and disinfection 20
7.5 Resistance to corrosion 20

8 Ingress of liquids **21**

9 Temperatures of parts that come in contact with human skin **21**

10 Safety of moving parts **21**
10.1 Squeezing 21
10.2 Mechanical wear 22

11 Prevention of traps for parts of the human body **22**
11.1 Holes and clearances 22
11.2 V-shape openings 23

12 Folding, adjusting and locking mechanisms **23**
12.1 General 23
12.2 Folding mechanisms 23

12.3 Locking mechanisms 23
13 Carrying handles 23
13.1 General 23
13.2 Requirements 24
13.3 Test method 24
14 Surfaces, corners and edges 24
15 Static stability 25
15.1 Requirements for static stability 25
15.2 Test method for static stability 25
15.2.1 Forward-direction static stability test 25
15.2.2 Rearward-direction static stability test 26
15.2.3 Sideway-direction static stability test 27
15.2.4 Accessory equipment static stability test 28
16 Static strength 28
16.1 Static strength of resting seat 28
16.1.1 General 28
16.1.2 Requirements for static strength of resting seat 28
16.1.3 Test method for static strength of resting seat 28
16.2 Static strength of the rollator 29
16.2.1 General 29
16.2.2 Requirements for static strength of the rollator 29
16.2.3 Test method for static strength of the rollator 29
16.3 Strength of backrest 30
16.3.1 General 30
16.3.2 Requirement for strength of backrest 30
16.3.3 Test method for strength of backrest 30
17 Durability test 30
17.1 Requirement for durability 31
17.2 Test method for durability 31
18 Ergonomic principles 32
19 Packaging 32
20 Information supplied by the manufacturer 33
20.1 General 33
20.2 Information marked on the product 33
20.3 Instruction manual 33
20.4 Test report 34
Annex A (informative) **Consideration items for hazards when designing the products 36**
Annex B (informative) **General recommendations 38**
Bibliography 40