

DIN EN 131-6:2025-10 (E)

Ladders - Part 6: Telescopic ladders (includes Amendment A1:2025)

Contents		Page
European foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Functional dimensions	6
4.1	General dimensions	6
4.2	Specific dimensions	6
4.3	Top rung clearance l6	6
4.4	Outside width b4	7
5	Requirements	7
5.1	General requirements	7
5.2	Distance between rungs/steps	7
5.3	Additional requirements for the top of leaning ladders	8
5.4	Locking of the rung/step sections	8
5.5	Design	8
5.6	Base width b2	8
6	Testing	8
6.1	General	8
6.2	Ladder preconditioning	9
6.2.1	General	9
6.2.2	Drop test	9
6.3	Strength test of stiles	9
6.4	Bending test of stiles	11
6.5	Lateral deflection test of the ladder	11
6.6	Bottom stile ends test	11
6.7	Vertical load on rungs, steps and platforms	11
6.7.1	General	11
6.7.2	Rungs and steps	11
6.7.3	Platform	12
6.7.4	Rungs/steps strength test - unlocked position	13
6.7.5	Torsion test of rungs/steps	13
6.7.6	Pull out test of rung/step	14
6.8	Test of opening restraints and hinges of standing telescopic ladders	14
6.9	Base slip test for leaning ladders	14
6.10	Test of locking mechanism	14
6.10.1	Cyclic test of locking mechanism	14
6.10.2	Static test of locking mechanism	15
6.10.3	Cyclic test of hinge joints	15
6.11	Feet/End cap pull test	16
6.12	Asymmetrical bending test	16
6.13	Test methods for plastic ladders	16
6.14	Test methods for plastic rung/step brackets	16
6.15	Durability	16
6.16	Opening and closing cycle test	16
7	Marking and user instructions	17

7.1	General	17
7.2	Marking	17
7.3	User instruction	17
7.4	List of items to be inspected	17
7.5	Storage	18
Annex A (normative) Test sequence		19
Annex B (informative) Deviations		20
B.1	General	20
B.2	Deviations from the Netherlands	20
Bibliography		22