

DIN EN 13126-8:2006-05 (E)

Building hardware - Requirements and test methods for windows and doors height windows - Part 8: Tilt & Turn, Tilt-First and Turn -Only hardware

Contents		Page
Foreword		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Classification	6
4.1	General	6
4.2	Category of use (1 - first digit)	6
4.3	Durability (2 - second digit)	6
4.4	Mass (3 - third digit)	6
4.5	Fire resistance (4 - fourth digit)	6
4.6	Safety in use (5 - fifth digit)	6
4.7	Corrosion resistance (6 - sixth digit)	6
4.8	Security (7 - seventh digit)	6
4.9	Applicable part (8 - eighth digit)	7
4.10	Test sizes (9 - ninth digit)	7
4.11	Example of classification for Tilt&Turn hardware	7
5	Requirements	8
5.1	General	8
5.2	Mechanical stability	8
5.2.1	Stability of the scissor stay	8
5.2.2	Mechanical strength of hinges	9
5.3	Durability	11
5.4	Admissible tolerances	11
5.4.1	Sash operation tolerance	11
5.4.2	Handle operation tolerance	11
5.4.3	Locking point variable tolerance	12
5.5	Resistance to additional loading	12
5.6	Minimum closing device resistance	12
5.7	Corrosion resistance	12
5.8	Resistance to other additional tests	13
6	Test equipment	13
7	Test procedures	13
7.1	Samples	13
7.2	Stability of hinge	13
7.3	Durability test - Tilt&Turn	13
7.3.1	General	13
7.3.2	Tilt&Turn cycles - Tilt-First cycles	14
7.3.3	Turn cycles (into 90° turn position)	15
7.3.4	Acceptance criteria	16
7.3.5	Additional loading test - 1 000 N	16
7.3.6	Reveal test for hardware without turn-restrictor	16
7.3.7	Test for hardware with turn-restrictor	18
7.3.8	Rebate-hindrance test	18
7.4	Durability test - Turn-Only hardware	19

7.5	Minimum closing device resistance test	19
7.6	Corrosion resistance	19
	Annex A (informative) Typical test equipment	20
	Annex B (normative) Flow chart of test procedures	21
	Bibliography	22