

# DIN EN 13126-9:2013-04 (E)

## Building hardware - Requirements and test methods for windows and door height windows - Part 9: Hardware for horizontal and vertical pivot windows

---

<b>Contents</b>		<b>Page</b>
Foreword .....		4
1	Scope .....	6
2	Normative references .....	6
3	Terms and definitions .....	6
4	Classification .....	7
4.1	General .....	7
4.2	Category of use (1 - first digit) .....	7
4.3	Durability (2 - second digit) .....	7
4.4	Mass (3 - third digit) .....	7
4.5	Fire resistance (4 - fourth digit) .....	7
4.6	Safety in use (5 - fifth digit) .....	7
4.7	Corrosion resistance (6 - sixth digit) .....	7
4.8	Security (7 - seventh digit) .....	7
4.9	Application (8 - eighth digit) .....	8
4.10	Test sizes (9 - ninth digit) .....	8
4.10.1	Window size for horizontal pivot windows .....	8
4.10.2	Window size for vertical pivot windows .....	8
4.11	Example of classification for horizontal and vertical pivot windows .....	8
5	Requirements .....	9
5.1	General .....	9
5.2	Durability .....	9
5.3	Locking point variable tolerance .....	9
5.4	Handle operation tolerance .....	10
5.5	Balance test for pivot hinges with integrated braking function .....	10
5.6	Resistance to static load .....	10
5.7	Resistance to free fall test for horizontal pivot windows .....	10
5.8	Resistance to rebate hindrance test for vertical pivot windows .....	10
5.9	Minimum closing devices resistance .....	10
5.10	Corrosion test .....	10
6	Test equipment .....	11
7	Test methods .....	11
7.1	Samples .....	11
7.2	Test order .....	11
7.3	Durability test .....	12
7.3.1	Durability test of normal opening .....	12
7.3.2	Reversed position durability test .....	13
7.4	Balance tests .....	14
7.5	Static Tests .....	14
7.5.1	Ventilation position static test on horizontal pivot windows .....	14
7.5.2	Ventilation position static test on vertical pivot windows .....	15
7.5.3	Reversed position static test on horizontal pivot windows .....	16
7.5.4	Reversed position static test on vertical pivot windows .....	17
7.6	Free fall test for horizontal pivot windows .....	18
7.7	Rebate hindrance test for vertical pivot windows .....	18

7.8	Minimum closing device resistance test .....	19
7.9	Corrosion resistance .....	19
Annex A (informative) Test equipment .....		21
Annex B (normative) Flowchart of test procedures .....		22
Bibliography .....		24