

DIN EN 15828:2011-01 (E)

Hardware for furniture - Strength and durability of hinges and their components - Stays and hinges pivoting on a horizontal axis

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	General test conditions	6
4.1	Preliminary preparation	6
4.2	Test equipment	6
4.3	Application of forces	7
4.4	Tolerances	7
4.5	Sequence of testing	7
4.6	Inspection and assessment of results	7
5	Test apparatus	7
5.1	Masses	7
5.2	Test frame	8
5.3	Particle board properties	9
6	Test procedures and requirements	9
6.1	General	9
6.2	Overload tests	10
6.2.1	Vertical downwards static overload	10
6.2.2	Horizontal sideways static overload	11
6.2.3	Slam test	13
6.3	Functional tests	14
6.3.1	General	14
6.3.2	Operating forces	14
6.3.3	First vertical downwards static load for top hinged flaps	15
6.3.4	First horizontal sideways static load	16
6.3.5	Determination of reference points for the flap sagging	16
6.3.6	Durability	17
6.3.7	Sagging	17
6.3.8	Second vertical downwards static load	17
6.3.9	Second horizontal sideways static load	18
6.3.10	Operating forces	18
6.3.11	Slam test	18
6.4	Corrosion resistance	19
7	Test report	20
Annex A (normative)	Product information system	21
A.1	General	21
A.2	Field of application	21
A.3	Mass and size of the flap	21
A.4	Adjustment systems and spring and damper mechanisms	21

A.5	Corrosion test	21
	Annex B (normative) Test parameters	22
	Bibliography	24