

DIN EN 15939:2014-06 (E)

Hardware for furniture - Strength and loading capacity of wall attachment devices (includes Amendment A1:2014)

Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	General test condition	5
4.1	Preliminary preparation	5
4.2	Test equipment	5
4.2.1	Test wall	5
4.2.2	Particle board properties	6
4.2.3	Fibre board properties	6
4.2.4	Steel impact plate	6
4.2.5	Dowels	6
4.2.6	Nails	6
4.2.7	Distance devices	6
4.2.8	Non-commercial wall part	6
4.3	Application of forces	7
4.4	Tolerances	7
5	Test frame	7
6	Test procedures and requirements	13
6.1	General	13
6.2	Verification of loading capacity	14
6.2.1	Requirements	14
6.2.2	Static load test	14
6.2.3	Impact test	14
6.2.4	Door swing test	15
6.2.5	Overload test	16
6.3	Corrosion resistance	16
7	Test report	16
Annex A (normative) Product information system		17
A.1	General	17
A.2	Loading capacity	17
A.3	Adjustment systems	17
A.4	Corrosion test	17
A.5	Mounting instructions	17
Annex B (informative) Determination of loading capacity		18
B.1	Determination of breaking load	18
B.2	Calculation of loading capacity, M	19
Bibliography		20