

DIN EN 1630:2011-09 (E)

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts

Contents

	Page
Foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Apparatus and test team	7
4.1 Test rig	7
4.2 Test team	7
4.3 Measurement and recording devices	8
4.3.1 Measuring equipment	8
4.3.2 Video recording	8
4.4 Tolerances	8
4.5 Sub-frame	9
5 Test specimen	9
5.1 General	9
5.2 Preparation and examination of the specimen	10
6 Procedure	10
6.1 General	10
6.2 Test room climate	10
6.3 Areas of attack	10
6.3.1 General	10
6.3.2 Construction products with moving elements	11
6.3.3 Fixed construction products	11
6.4 Attack side and attack height	11
6.5 Pre-test	11
6.6 Main test	11
6.7 Failure criteria	12
7 Tool sets	12
7.1 General	12
7.2 Tool set A1 resistance class 1 (see Figure A.1) - Application of the tool set A1 in resistance class 1	12
7.3 Tool set A2 resistance class 2 (see Figure A.2) - Application of the tool set A2 in resistance class 2	13
7.4 Tool set A3 resistance class 3 (see Figure A.3) - Application of the tool set A3 in resistance class 3	14
7.5 Tool set A4 resistance class 4 (see Figure A.4) - Application of the tool set A4 in resistance class 4	14
7.6 Tool set A5 resistance class 5 (see Figure A.5) - Application of the tool set A5 in resistance class 5	15
7.7 Tool set A6 resistance class 6 (see Figure A.6) - Application of the tool set A6 in resistance class 6	15
8 Test report	16

Annex A (normative) Tool sets	18
A.1 Tool set A1	18
A.2 Tool set A2	19
A.3 Tool set A3	20
A.4 Tool set A4	21
A.5 Tool set A5	22
A.6 Tool set A6	23
Annex B (normative) Test sequence for manual test of resistance classes 2 to 6	24
B.1 Test sequence for manual test of resistance classes 2 to 6	24
Annex C (normative) Example of test equipment	25
Annex D (informative) Examples of mounting arrangements	26
D.1 Examples of mounting arrangements for doorsets	26
D.2 Examples of mounting arrangements for windows	29
D.3 Examples of mounting arrangements for wing and folding shutters	30
D.4 Examples of mounting arrangements for guide rails and roller shutters into the test rig ..	32
D.5 Examples of mounting arrangements for grilles into the test rig	35
Bibliography	37