

# DIN EN 1630:2016-03 (E)

## Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts (includes Amendment A1:2015)

---

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

7.7	Tool set A6 resistance class 6 (see Figure A.6) - Application of the tool set A6 in resistance class 6 .....	17
8	Test report .....	17
Annex A (normative) Tool sets .....		19
A.1	Tool set A1 .....	19
A.2	Tool set A2 .....	20
A.3	Tool set A3 .....	21
A.4	Tool set A4 .....	22
A.5	Tool set A5 .....	23
A.6	Tool set A6 .....	24
Annex B (normative) Test sequence for manual test of resistance classes 2 to 6 .....		25
B.1	Test sequence for manual test of resistance classes 2 to 6 .....	25
Annex C (normative) Example of test equipment Dimensions in mm .....		26
Annex D (informative) Examples of mounting arrangements .....		27
D.1	Examples of mounting arrangements for doorsets .....	27
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 ..	33
D.5	Examples of mounting arrangements for grilles into the test rig .....	36
Bibliography .....		37