

DIN ISO 23013:2017-10 (E)

Road vehicles - Determination of resistance to forced entry of security glass constructions used in vehicle glazing - Test of glazing systems (ISO 23013:2016)

Contents		Page
National foreword		4
National Annex NA (informative) Bibliography		4
Foreword		5
Introduction		6
1	Scope	7
2	Normative references	7
3	Terms and definitions	7
4	Principle	9
5	Apparatus	10
5.1	Description of the apparatus	10
5.1.1	General	10
5.1.2	Tool for pointed attack	12
5.1.3	Tool for blunt attack	13
5.1.4	Tool for cutting attack	13
5.1.5	Tool for displacement test	14
5.2	Checking the equipment	16
5.2.1	Determining the effective mass and checking the speed measuring apparatus	16
5.2.2	Pointed attack	17
5.2.3	Blunt attack	17
5.2.4	Cutting attack	17
5.2.5	Displacement test	17
6	Test pieces	18
6.1	Support frame for the system part	18
6.2	Associated sections of the car body	18
6.3	Security glazing	18
6.4	Number of panes of glazing	19
7	Test conditions	19
8	Test procedures	19
8.1	General	19
8.2	Attack test sequence with blunt tool	20
8.2.1	General	20
8.2.2	Test element pointed attack	20
8.2.3	Test element blunt attack	20
8.2.4	Test element displacement	20
8.2.5	Test position and requirements for different levels of attack resistance	20
8.3	Attack test sequence with cutting tool	21
8.3.1	General	21
8.3.2	Test element pointed attack	22
8.3.3	Test element cutting attack	22
8.3.4	Test element displacement	22

8.3.5	Test position and requirements for different levels of attack resistance	22
9	Classification	24
10	Test report	24
11	Test certificate	25
	Annex A (informative) Comments	26
	Annex B (informative) Source of steel pin for the pointed attack tool	27
	Bibliography	28