

ISO 23013:2016-01 (E)

Road vehicles - Determination of resistance to forced entry of security glass constructions used in vehicle glazing - Test of glazing systems

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	3
5 Apparatus	4
5.1 Description of the apparatus	4
5.1.1 General	4
5.1.2 Tool for pointed attack	6
5.1.3 Tool for blunt attack	7
5.1.4 Tool for cutting attack	7
5.1.5 Tool for displacement test	8
5.2 Checking the equipment	10
5.2.1 Determining the effective mass and checking the speed measuring apparatus	10
5.2.2 Pointed attack	11
5.2.3 Blunt attack	11
5.2.4 Cutting attack	11
5.2.5 Displacement test	11
6 Test pieces	12
6.1 Support frame for the system part	12
6.2 Associated sections of the car body	12
6.3 Security glazing	12
6.4 Number of panes of glazing	13
7 Test conditions	13
8 Test procedures	13
8.1 General	13
8.2 Attack test sequence with blunt tool	14
8.2.1 General	14
8.2.2 Test element pointed attack	14
8.2.3 Test element blunt attack	14
8.2.4 Test element displacement	14
8.2.5 Test position and requirements for different levels of attack resistance	14
8.3 Attack test sequence with cutting tool	15
8.3.1 General	15
8.3.2 Test element pointed attack	16
8.3.3 Test element cutting attack	16
8.3.4 Test element displacement	16
8.3.5 Test position and requirements for different levels of attack resistance	16
9 Classification	18

10	Test report	18
11	Testcertificate	19
	Annex A (informative) Comments	20
	Annex B (informative) Source of steel pin for the pointed attack tool	21
	Bibliography	22