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 Termsanddefinitions 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