

# DIN EN 16948:2017-09 (E)

## Child protective products - Consumer fitted child resistant locking devices for cupboards and drawers - Safety requirements and test methods

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
1	Scope .....	4
2	Normative references .....	4
3	Terms and Definitions .....	4
4	Requirements .....	4
4.1	Child appeal .....	4
4.2	Child protective function .....	4
4.2.1	General .....	4
4.2.2	Requirements concerning the child panel test .....	5
4.3	Mechanical function and structural integrity .....	7
4.4	Small parts .....	8
4.5	Sharp edges .....	8
4.6	Purchase information .....	8
4.7	User instructions .....	8
4.8	Marking of the product .....	9
5	Test methods .....	9
5.1	General test conditions .....	9
5.2	Test equipment .....	9
5.2.1	A test rig for the child panel test .....	9
5.2.2	Test rig for mechanical tests .....	9
5.2.3	Equipment to perform cyclic opening, loading and closing operations for the wear testing .....	11
5.2.4	Probe .....	12
5.2.5	Small parts cylinder .....	12
5.2.6	Tension test equipment .....	12
5.3	Extent and order of testing .....	13
5.4	Test procedures - child protective function .....	13
5.4.1	Test supervision .....	13
5.4.2	Test samples .....	13
5.4.3	Preliminary checking and preparation .....	13
5.4.4	Child test .....	14
5.5	Test procedure - mechanical tests .....	15
5.5.1	Test of durability of the locking device and the locking mechanism .....	15
5.5.2	Test of disengagement force of locking mechanism using a single operation .....	15
5.5.3	Test of disengagement force of locking mechanism depending on two actions .....	15
5.5.4	Test of structural integrity .....	16
5.5.5	Opening gap measurement .....	16
5.5.6	Small parts test .....	16
5.6	Test report .....	17
Annex A (normative) Flowchart of test procedure .....		19
Annex B (informative) Rationales .....		20
Bibliography .....		22