

**EN 1300 for locks**

In the test according to EN 1143-1 safes have to be supplied with locks which meet the test requirements. These locks are tested according to the EN 1300 standard and are divided in grades A to D. Grade D meets the most strict requirements.

As far as class III one lock is sufficient. This lock can be a double bearded key lock as well as a mechanical combination lock or a electronic code lock. From class IV a least two locks, which meet the EN 1300 standard, have to be installed to the safe.

All electronic locks of M-LOCKS (Direct Drive, Rotobolt and Straightbolt) are certified according to VdS Class 2/EN 1300 B. The alarm connection box 334 is certified according to VdS G 196099.

All mechanical locks of M-LOCKS (KL3907 and ML6740) are certified according to VdS Class 2/ EN 1300 B.

**Resistance grade according to NEN-EN 1143-1**

**Insurance indication in €**

0	7.000
I	9.000
II	23.000
III	36.000
IV	55.000
V	82.000
VI	91.000
VII	To be agreed with insurance company
VIII	To be agreed with insurance company
IX	To be agreed with insurance company
X	To be agreed with insurance company
XI	To be agreed with insurance company
XII	To be agreed with insurance company
XIII	To be agreed with insurance company

**Minimal requirements for classification of safes into resistance grades according tot NEN-EN 1143-1**

Resistance grade	Tool attack test		Anchoring strength 1)	Locks		Additional requirement for Ex- designation (optional) 2)
	partial access	complete access		Quantity	Class according to EN 1300	
	Resistance value for:		Required force			Postdetonation resistance value RU
	RU	RU	kN			
0	30	30	50	1	A	2)
I	30	50	50	1	A	2)
II	50	80	50	1	A	4
III	80	120	50	1	B	6
IV	120	180	100	2	B	9
V	180	270	100	2	B	14
VI	270	400	100	2	C	20
VII	400	600	100	2	C	30
VIII	550	825	100	2	C	41
IX	700	1050	100	2	C	53
X	900	1350	100	2	C	68

1) Applicable only for freestanding safes with a mass less than 1000 kg.

2) "Ex" means resistance against attacks with explosives. Ex-designation is not possible for grades O and I.

*Minimum requirements for classification of the ATM Safe according to NEN-EN 1143-1*

Resistance grade	Tool attack test			Anchoring strength 1)	Tool attack test	Locks		Additional requirement for Ex- designation (optional) 3)
	Resistance value for:					required force	Resistance value	
	partial access	complete access						
	General	Used openings 2)						
	RU	RU	RU	kN	RU			RU
L   Body 1)	20	20	30	50	50	1	A	3)
L   Door	30	30	50	50	50	1	A	3)
I	30	30	50	50	50	1	A	3)
II	50	35	80	50	50	1	A	4
III	80	65	120	50	50	1	B	6
IV	120	100	180	100	50	2	B	9
V	180	145	270	100	50	2	B	14
VI	270	220	400	100	70	2	C	20
VII	400	350	600	100	120	2	C	30
VIII	550	500	825	100	160	2	C	41

1) The resistance grades do not apply for the body (safe part of the door) of the ATM Safes in grade L.  
2) Applicable for openings which actually are used.  
3) "Ex" means resistance against attacks with explosives. Ex-designation is not possible for grades L and I.

*Minimum requirements for classification of doors of safes according to NEN-EN 1143-1*

Resistance grade	Tool attack test	Locks		Additional requirement for Ex-designation (optional) 2)
		Resistance value for complete access	Quantity	
	RU			RU
0	30	1	A	<sup>2)</sup>
I	50	1	A	<sup>2)</sup>
II	80	1	A	4
III	120	1	B	6
IV	180	2	B	9
V	270	2	B	14
VI	400	2	C	20
VII	600	2	C	30
VIII	825	2	C	41
IX	1.050	2	C	53
X	1.350	2	C	68
XI	2.000	3	C of	100
		2	D	
XII	3.000	3	C of	150
		2	D	
XIII	4.500	2	D	225

2) "Ex" means resistance against attacks with explosives. Ex-designation is not possible for the grades 0 and I.