

Report

Report no.	18.00120-1 Rev A This report replaces 18.00120-1 dated 26-09-2018	bezoekadres Poppenbouwing 56 4191 NZ Geldermalsen postadres Postbus 202 4190 CE Geldermalsen
Test date Report date	9 April and 25 September 2018 23 October 2018	T +31 (0)88 244 01 00 F +31 (0)88 244 01 01 E info@skgikob.nl I www.skgikob.nl
Applicant	B&B Locks BVBA	
	Uilenbaan 88, unit 3 B-2160 / Wommelgem Belgium	TESTING RvA L 406
Size report	This report consists of 15 pages	Notified Body NB 0957 NB 0960
Subject	Testing of strength aspects of locks and latches according to EN 12209:2003 +AC:2005 of locks type: G1 and G1M	
Laboratory technician	J.G. van de Wetering	
Technical Manager	dr. ir. A. van Beek	

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1 PURPOSE OF THE INVESTIGATION

SKG-IKOB was commissioned by B&B Locks BVBA – Wommelgem (Belgium) to perform a test on strength aspects according to EN 12209:2003 +AC:2005 (hereafter referred to as EN 12209) on:

Locks and Keepers of types: G1 and G1M

2 PRODUCT TYPE AND DESCRIPTION OF THE EXAMINED LOCK

Type designation: G1 and G1M

Description: G1: Mechanical lock with electromechanical lock case G1M: Mechanical lock with locking plate.

The locks are produced at the address of the applicant.

Remark:

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This report replaces 18.00120-1 dated 26-09-2018.

Drawn up at Geldermalsen, The Netherlands, on 23 October 2018

A.J. Berl

dr. ir. A. van Beek Technical Manager



3 METHOD OF INVESTIGATION

The results were determined through tests according to EN 12209:2003 +AC:2005.

Test April 2018 1. End load dead bolt (G1M)	paragraph §5.8.4.1
2. Pull load in combination with lock case (G1)	§5.8.5 i.c.w. §5.8.9.3
Test September 2018 3. Side load on the deadbolt (G1M)	§5.8.2.1 (supported)

For photos of the test, see Annex 2.

4 SAMPLING

The samples were delivered by the applicant in April and August 2018 and marked by SKG-IKOB.

The samples were provided by the applicant. This investigation therefore only provides conclusions about the tested examples and cannot be considered representative for a larger consignment.



5 TEST RESULTS

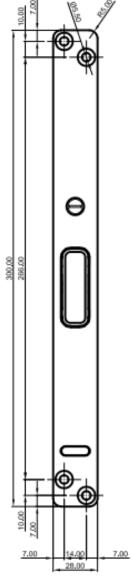
Test	model
1. End load dead bolt	(G1M)
2. Pull load i.c.w. lock case	(G1)
Side load on deadbolt	(G1M)

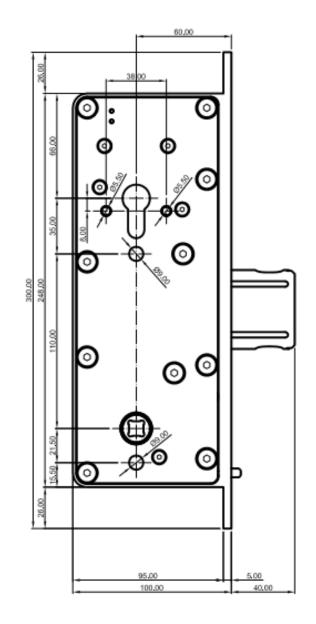
achieved value 59,0 kN 45,2 kN 100 kN (supported)

For pull-push diagrams of the results, see Annex 1.

6 DRAWINGS / PHOTOS LOCKS

G1M lock





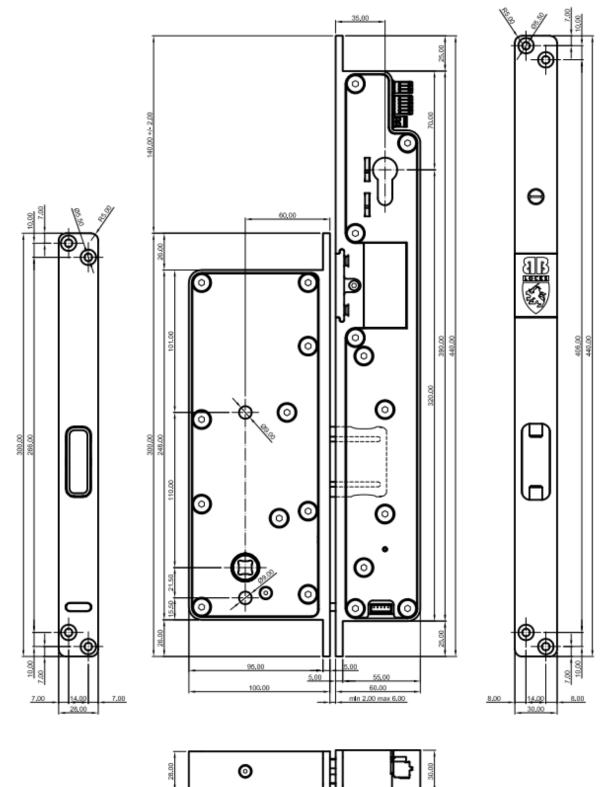








G1 lock









Annex 1: Test results

G1

SKG - IKOB Certificatie

Machine data

Control SN: 154863 Crosshead SN: 154863 Force SN: 154864 100 kN

Productgroup : Building hardware

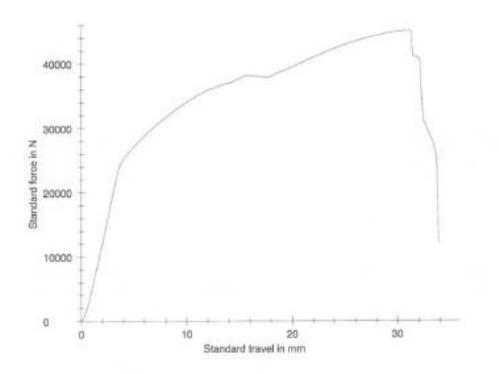
Product type	: slot en sluitkast	Company(codenr.)	B&B locks
Document	: EN12209	Product number	61
Date(visit)	: 9-4-2018	Investigation	onderzoek 18.00120
Tester	: J.G. van de Wetering		

Remarks

: hoofdschoot wordt uit slotkast getrokken bij Fmax. voorplaat slotkast vervormt.

Test results:

Nr	Maximum Force N	Travel at Max. Force	Time at Max. Force 8
1	45250,81	30,90	394,42



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SKG - IKOB Certificatie

Machine data

Control SN: 154863 Crosshead SN: 154863 Force SN: 154864 100 kN

Productgroup : Building hardware

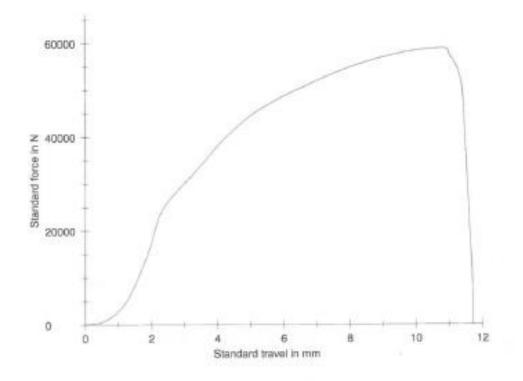
Product type	: slot	Company(codenr.): B&B locks
Document	: EN12209	Product number	: G1
Date(visit) Tester	: 9-4-2018 : J.G. van de Wetering	Investigation	: primair

Remarks

: schoot wordt door de vergrendeling gedrukt bij Fmax.

Test results:

Nr	Maximum Force N	Travel at Max. Force	Time at Max, Force
1	59084,54	10,84	509,41





G1M

SKG - IKOB Certificatie

Machine data

Control SN: 154863 Crosshead SN: 154863 Force SN: 154864 100 kN

Productgroup : Building hardware

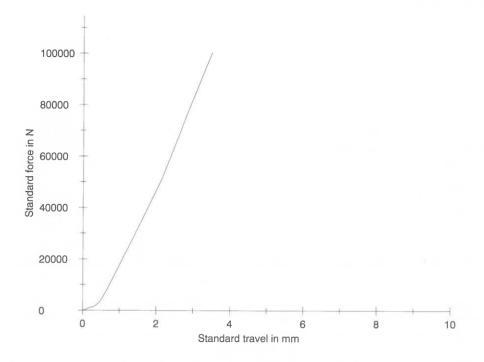
Product type Document Date(visit) Tester	: slot : EN12209 : 25-9-2018 : JWE	Company(codenr.): B&B Locks Product number : G1M Investigation : onderzoek 18.00120-1
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Remarks

: SLot nog intact en functioneel bij Fmax. supported getest op 3 mm

Test results:

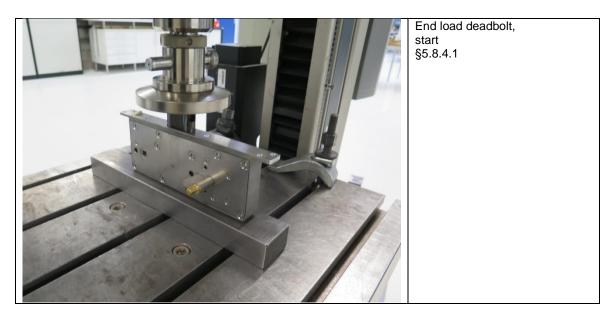




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Annex 2: Photos







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	Pull load deadbolt i.c.w. lock case, after test §5.8.5 i.c.w. §5.8.9.3
	Pull load deadbolt i.c.w. lock case, after test §5.8.5 i.c.w. §5.8.9.3
<image/>	Side load deadbolt i.c.w. lock case, start §5.8.2.1 i.c.w. §5.8.9.2



Side load deadbolt i.c.w.
lock case, start
§5.8.2.1 i.c.w. §5.8.9.2
Side load deadbolt i.c.w.
lock case, after test
§5.8.2.1 i.c.w. §5.8.9.2
Side load deadbolt
start
§5.8.2.1 (supported)



