SIRIM QAS International Sdn. Bhd.
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TEST REPORT

REPORT NO : 2023MA1036	PAGE : 1 OF 18

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Applicant	: LOCTRADE SDN. BHD. No 3 & 5, Jalan Keluli AL7/AL, Pusat Perniagaan Bukit Raja, Seksyen 7, 40000 Shah Alam, Selangor, Malaysia. File No.: P5-017828 (Requested by Mr.Khairul Annuar Mohamed Azhari, ICCS 1, SIRIM QAS International Sdn. Bhd.)
Manufacturer	: ZHONGSHAN HYDI ARROW LOCK CO.,LTD. No.18, Fu'an Road, Xiaolan Town, 528415 Zhongshan, Guangdong, CHINA.
Product	: Bored Door Lock (Cylindrical Knobset and Tubular Leverset)
Reference Standard / Method of Test	: ANSI/BHMA A156.2:2017 - American National Standard for Bored and Preassembled Locks and Latches.
Description of sample	: Brand : Refer page 3 Model : Refer Page 3 Grade : Refer Page 3 No. of sample : 15 pieces each model
Date Received of Complete Application	: 15 June 2023
Job No.	: J20231390547
Description of Test Results	: The submitted test sample as described in this test report complied with the requirement of the above Reference Standard.
Issued Date	: 29 September 2023

Approved Signatory;

(MOHD FAUZELY BIN MUSTAPA BAKARI)	(MOHD FAIZAR BIN MUSTAFA)
Senior Testing Engineer	Head Mechanical & Automotive Section Testing Services Department

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TEST DESCRIPTION

1. Test sample identified as Tubular Leverset (GF400-619 SN) and Cylindrical Knobset (GY100-630 SS) were submitted for the 'ANSI/BHMA A156.2:2017 - American National Standard for Bored and Preassembled Locks and Latches'.

2. The test was conducted at Block 25, Mechanical & Automotive Section, Testing Services Department, SIRIM QAS INTERNATIONAL SDN. BHD. 1, Persiaran Dato' Menteri, Section 2, P.O. Box 7035, 40700 Shah Alam, MALAYSIA. The test was conducted from 27th July 2023 to 20th September 2023.

3. All type of tests was conducted by personnel from the Mechanical & Automotive Section (MAST), Testing Service Department, SIRIM QAS International Sdn. Bhd.

4. Simple Acceptance Rule is used for the conformity statement. The level of risk regarding the Probability of False Accept is up to 50% according to ILAC G8:09.

5. The abbreviation used in this test report denotes as follows;

   PASS: Complied with the requirement — **N/A:** Not applicable with the requirement

   FAIL: Did not comply with the requirement — **N/C:** Not conducted

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SUMMARY TEST RESULTS

MODELS	RESULT
Cylindrical Knobset GY100-630 SS Brand : LOCGUARD Grade : 3	**PASS**
Tubular Leverset GF400-619 SN Brand : LOCGUARD Grade : 3	**PASS**

CLAUSE	REQUIREMENTS	OBSERVATIONS/RESULTS
9.0	Operational Tests	**PASS**
10.0	Strength Tests	**PASS**
11.0	Cycle Test	**PASS**
12.0	Security Tests	**PASS**
13.0	Material Evaluation Test	**PASS**
14.0	Finish Test	**PASS**

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PRODUCT : BORED DOOR LOCK (CYLINDRICAL KNOBSET, GY100-630 SS)
TEST METHOD : ANSI ANSI/BHMA A156.2 : 2017

CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION		
			Sample 1	Sample 2	Sample 3
9.0	OPERATIONAL TESTS				
9.1	Force to Retract Unloaded Bolt				
9.1.2	By Knob	1.0 Nm (maximum)	Side A cw : 0.50 Nm ccw : 0.50 Nm Side B cw : 0.50 Nm ccw : 0.50 Nm	Side A cw : 0.50 Nm ccw : 0.60 Nm Side B cw : 0.50 Nm ccw : 0.50 Nm	Side A cw : 0.40 Nm ccw : 0.40 Nm Side B cw : 0.40 Nm ccw : 0.50 Nm
9.1.5	By Key	0.7 Nm (maximum)	cw : 0.30 Nm ccw : 0.20 Nm	cw : 0.50 Nm ccw : 0.50 Nm	cw : 0.50 Nm ccw : 0.50 Nm
9.2	Force to Retract Preloaded Bolt (warped door)	5.0 Nm (maximum)	Side A cw : 2.60 Nm ccw : 2.20 Nm Side B cw : 2.50 Nm ccw : 2.30 Nm	Side A cw : 2.50 Nm ccw : 2.00 Nm Side B cw : 2.50 Nm ccw : 2.00 Nm	Side A cw : 2.20 Nm ccw : 2.00 Nm Side B cw : 2.00 Nm ccw : 2.50 Nm
9.3	Minimum Projection of Bolt when Depressed to Dead Latched Position	6.4 mm (minimum)	8.68 mm	9.16 mm	8.85 mm
9.4	Minimum Projection of Auxiliary Dead Latch Bolt to Deadlock Latch Bolt.	5.6 mm (minimum)	6.75 mm	6.68 mm	7.00 mm
9.5	Force to Latch Door	20 N (maximum)	8 N (Lock) 8 N (Unlock)	9 N (Lock) 6 N (Unlock)	7 N (Lock) 6 N (Unlock)

Notes : Side A = Outside , CCW = Counter Clock Wise
Side B = Inside , CW = Clock Wise

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION		
			Sample 4	Sample 5	Sample 6
10	STRENGTH TESTS				
10.1	Locked Torque Test	14.0 Nm (minimum)	cw : 14 Nm ccw : 14 Nm	cw : 14 Nm ccw : 14 Nm	cw : 14 Nm ccw : 14 Nm
10.2	Axial Load Test				
10.2.1	Apply load to inside outside knob/lever	1120 N (minimum)	Side A: 1120 N Side B: 1120 N	Side A: 1120 N Side B: 1120 N	Side A: 1120 N Side B: 1122 N
10.2.2	2 inch (50.8mm) from the spindle center line	444 N (minimum) (lever only)	NA	NA	NA
10.3	Vertical Load Test	667 N (minimum)	Side A: 669 N Side B: 668 N	Side A: 668 N Side B: 667 N	Side A: 667 N Side B: 667 N
10.4	Latch Bolt Strength	2650 N (minimum)	2652 N	2651 N	2650 N
10.5	Latch Bolt End Pressure	335 N (minimum)	335 N	335 N	335 N
10.6	Unlocked Outside Lever or Knob Torque Test	14 Nm (maximum)	14 Nm	14 Nm	14 Nm
10.7	Unlocked Entry Handleset Load Test	310 N (maximum)	NA	NA	NA
10.8	Qualification Requirements Upon completion of Strength Tests, the test locks shall be subjected to Operational Tests 9.1, 9.2 and 9.3.Locks shall operate per the applicable functional description.				

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION		
			Sample 4	Sample 5	Sample 6
9.0	Operational Tests				
9.1	Force to Retract Unloaded Bolt				
9.1.2	By Knob	1.2 Nm (maximum)	Side A cw : 0.85 Nm ccw : 0.40 Nm Side B cw : 0.30 Nm ccw : 0.30 Nm	Side A cw : 0.30 Nm ccw : 0.50 Nm Side B cw : 0.50 Nm ccw : 0.50 Nm	Side A cw : 0.30 Nm ccw : 0.80 Nm Side B cw : 0.50 Nm ccw : 0.50 Nm
9.1.5	By Key	1.2 Nm (maximum)	cw : 0.70 Nm ccw : 0.85 Nm	cw : 0.65 Nm ccw : 0.50 Nm	cw : 0.60 Nm ccw : 0.55 Nm
9.2	Force to Retract Preloaded Bolt (warped door)	5.0 Nm (maximum)	Side A cw : 3.10 Nm ccw : 2.50 Nm Side B cw : 2.40 Nm ccw : 1.80 Nm	Side A cw : 2.50 Nm ccw : 1.50 Nm Side B cw : 3.30 Nm ccw : 2.40 Nm	Side A cw : 2.00 Nm ccw : 1.80 Nm Side B cw : 2.10 Nm ccw : 1.70 Nm
9.3	Minimum Projection of Bolt when Depressed to Dead Latched Position	6.4 mm (minimum)	7.06 mm	8.34 mm	8.51 mm
11	CYCLE TEST				
11.2	Sample of locks shall be installed in the test door fixture. Use samples which successfully passed Operational Test 9.1 through 9.5				
11.3	Cycle Requirement Minimum		250,000 cycles	250,000 cycles	250,000 cycles

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION		
			Sample 1	Sample 2	Sample 3
11.4	At 50% of the Cycle Test is completed, repeat test 9.1 through 9.5		125,000 cycles	125,000 cycles	125,000 cycles
9.1	Force to Retract Unloaded Bolt				
9.1.2	By Knob	1.2 Nm (maximum)	Side A cw : 0.50 Nm ccw : 0.70 Nm Side B cw : 0.80 Nm ccw : 1.00 Nm	Side A cw : 1.00 Nm ccw : 1.00 Nm Side B cw : 0.60 Nm ccw : 0.80 Nm	Side A cw : 1.00 Nm ccw : 1.00 Nm Side B cw : 0.50 Nm ccw : 0.60 Nm
9.1.5	By Key	1.2 Nm (maximum)	cw : 0.50 Nm ccw : 0.50 Nm	cw : 0.50 Nm ccw : 0.90 Nm	cw : 0.50 Nm ccw : 0.60 Nm
9.2	Force to Retract Preloaded Bolt (warped door)	6.0 Nm (maximum)	Side A cw : 1.70 Nm ccw : 2.00 Nm Side B cw : 2.00 Nm ccw : 1.80 Nm	Side A cw : 2.10 Nm ccw : 2.20 Nm Side B cw : 2.20 Nm ccw : 2.00 Nm	Side A cw : 1.60 Nm ccw : 2.00 Nm Side B cw : 1.60 Nm ccw : 2.00 Nm
9.3	Minimum Projection of Bolt when Depressed to Dead Latched Position	5.1 mm (minimum)	8.89 mm	9.19 mm	9.27 mm
9.4	Minimum Projection of Auxiliary Dead Latch Bolt to Deadlock Latch Bolt.	4.5 mm (minimum)	6.45 mm	7.01 mm	6.22 mm
9.5	Force to Latch Door	24 N (maximum)	7 N (Lock) 8 N (Unlock)	7.5 N (Lock) 8 N (Unlock)	7.5 N (Lock) 6.5 N (Unlock)

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION
11.5	Performance After Cycle Test At the completion of cycle test, locks shall operate per applicable functional description.	PASS All samples can be operated per applicable functional description.	
11.6	Operation by Cylinder Cycle Test	Grade : 3 Cycle : 10,000	PASS All samples can be operated per applicable functional description.
12	SECURITY TESTS		
12.1	Dead Latch and strike Impact Test	Two blows of 80 J	PASS The door did not open after the test was completed.
12.2	Abusive Locked Lever Test	Grade 1 Levers Only	NA
12.3	Locked Lever or Paddle Vertical Impact Test	Grade 1 Only	NA
12.4	Locked Cylinder In The Lever Face Impact Test	Grade 1 Only	NA
12.5	Locked Lever or Knob Catch Attack Test	50 lbf (Catch Force) 100 lbf (Axial Force)	PASS The door did not open after the test was completed.
12.6	Cylinder Assembly Pulling Test	1100 N (minimum)	PASS The door did not open after the test was completed.
12.7	Cylinder Assembly Torque Test	14 Nm (minimum)	PASS The door did not open after the test was completed.

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION
13	Material Evaluation Tests		
13.1	Knob Crush Test	30% deformation (maximum)	PASS Inside: 1.92 % Outside: 2.74 %
	Key torque	1.2 Nm (maximum)	0.50 Nm
13.2	Rose Assembly Dent Test	3.8 mm (maximum)	PASS (1.32 mm)
13.3	Outside Rose Deformation Test	10% (maximum)	PASS (0.12 %)
14. 14.1	Finish Test Neutral Salt Spray Test accordance to ASTM B-117 Materials without organic coatings Duration of exposure : 200 hours	Without Organic Coatings (200 Hours)	PASS No corrosion observed upon completion of test. (No red rust)
14.2	Humidity Test	240 hours	NA
14.3	Pencil Hardness Test of 4H	4H	NA
14.4	Perspiration Test	4 cycles	NA
14.5	Ultraviolet Light and Condensation	144 hours	NA

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Photograph of Test Sample

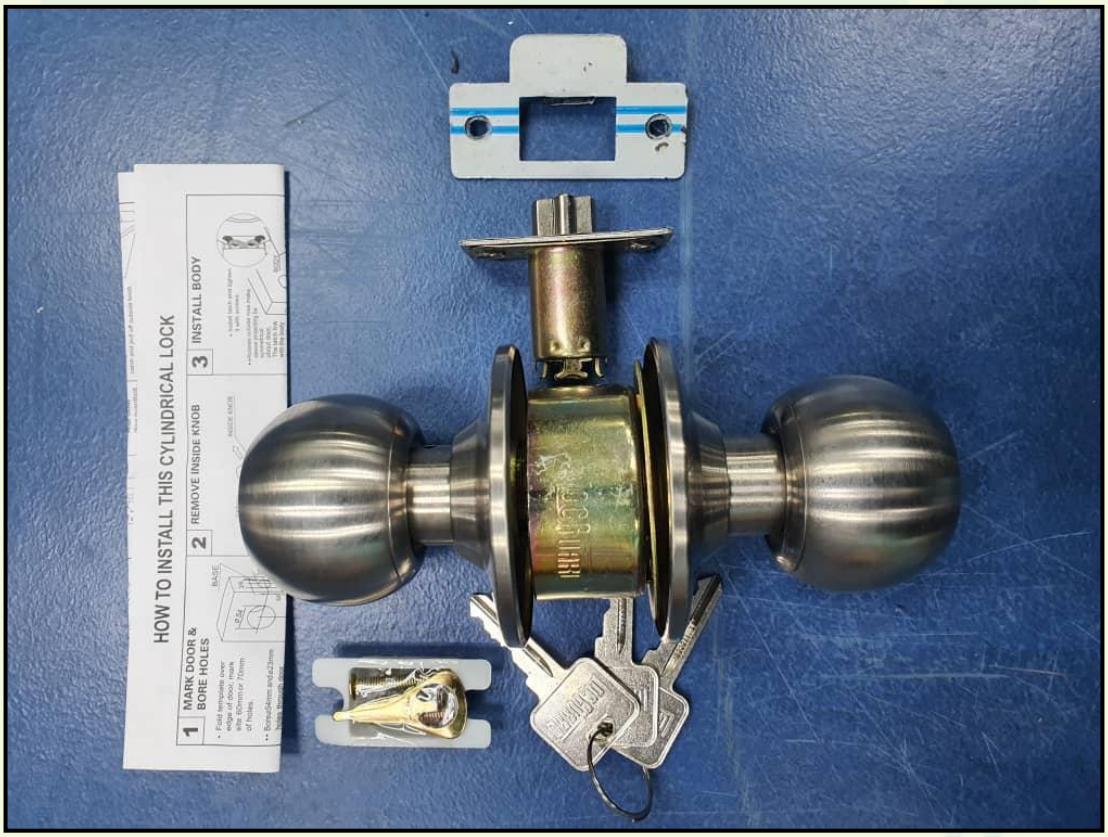

Figure 1: Cylindrical Knobset
(Model: GY100-630 SS)

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PRODUCT : BORED DOOR LOCK (TUBULAR LEVERSET, GF 400-619 SN)
TEST METHOD : ANSI ANSI/BHMA A156.2 : 2017

CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION		
			Sample 1	Sample 2	Sample 3
9.0	OPERATIONAL TESTS				
9.1	Force to Retract Unloaded Bolt				
9.1.2	By Lever	3.1 Nm (maximum)	Side A cw : 2.90 Nm ccw : 2.70 Nm Side B cw : 2.40 Nm ccw : 2.50 Nm	Side A cw : 2.50 Nm ccw : 2.50 Nm Side B cw : 2.40 Nm ccw : 2.30 Nm	Side A cw : 2.50 Nm ccw : 2.20 Nm Side B cw : 2.40 Nm ccw : 2.30 Nm
9.2	Force to Retract Preloaded Bolt (warped door)	8.0 Nm (maximum)	Side A cw : 5.50 Nm ccw : 5.00 Nm Side B cw : 5.00 Nm ccw : 5.50 Nm	Side A cw : 4.00 Nm ccw : 4.00 Nm Side B cw : 4.00 Nm ccw : 4.00 Nm	Side A cw : 4.00 Nm ccw : 5.00 Nm Side B cw : 4.00 Nm ccw : 5.00 Nm
9.3	Minimum Projection of Bolt when Depressed to Dead Latched Position	6.4 mm (minimum)	7.67 mm	7.69 mm	7.86 mm
9.4	Minimum Projection of Auxiliary Dead Latch Bolt to Deadlock Latch Bolt.	5.6 mm (minimum)	6.70 mm	7.56 mm	7.11 mm
9.5	Force to Latch Door	20 N (maximum)	11 N (Lock) 10 N (Unlock)	8.7 N (Lock) 9 N (Unlock)	8.5 N (Lock) 9 N (Unlock)

Notes : Side A = Outside , CCW = Counter Clock Wise
Side B = Inside , CW = Clock Wise

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION		
			Sample 4	Sample 5	Sample 6
10	STRENGTH TESTS				
10.1	Locked Torque Test	25.0 Nm (minimum)	cw : 25 Nm	cw : 25 Nm	cw : 25 Nm
10.2	Axial Load Test				
10.2.1	Apply load to inside outside knob/lever	1120 N (minimum)	Side A: 1120 N Side B: 1120 N	Side A: 1120 N Side B: 1120 N	Side A: 1120 N Side B: 1120 N
10.2.2	2 inch (50.8mm) from the spindle center line	444 N (minimum) (lever only)	Side A: 444 N Side B: 444 N	Side A: 444 N Side B: 444 N	Side A: 444 N Side B: 444 N
10.3	Vertical Load Test	667 N (minimum)	Side A: 667 N Side B: 667 N	Side A: 667 N Side B: 668 N	Side A: 668 N Side B: 668 N
10.4	Latch Bolt Strength	2650 N (minimum)	2652 N	2650 N	2655 N
10.5	Latch Bolt End Pressure	335 N (minimum)	335 N	335 N	335 N
10.6	Unlocked Outside Lever or Knob Torque Test	20 Nm (maximum)	20 Nm	20 Nm	20 Nm
10.7	Unlocked Entry Handleset Load Test	310 N (maximum)	NA	NA	NA
10.8	Qualification Requirements Upon completion of Strength Tests, the test locks shall be subjected to Operational Tests 9.1, 9.2 and 9.3.Locks shall operate per the applicable functional description.				

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION		
			Sample 4	Sample 5	Sample 6
9.0	Operational Tests				
9.1	Force to Retract Unloaded Bolt				
9.1.2	By Lever	3.8 Nm (maximum)	Side A cw : 1.50 Nm ccw : 2.10 Nm Side B cw : 2.00 Nm ccw : 2.50 Nm	Side A cw : 1.50 Nm ccw : 1.00 Nm Side B cw : 1.00 Nm ccw : 1.00 Nm	Side A cw : 1.00 Nm ccw : 1.00 Nm Side B cw : 1.00 Nm ccw : 1.50 Nm
9.2	Force to Retract Preloaded Bolt (warped door)	8.0 Nm (maximum)	Side A cw : 4.50 Nm ccw : 6.10 Nm Side B cw : 4.20 Nm ccw : 4.80 Nm	Side A cw : 6.00 Nm ccw : 5.00 Nm Side B cw : 4.00 Nm ccw : 4.50 Nm	Side A cw : 4.00 Nm ccw : 5.00 Nm Side B cw : 6.50 Nm ccw : 4.00 Nm
9.3	Minimum Projection of Bolt when Depressed to Dead Latched Position	6.4 mm (minimum)	6.90 mm	7.50 mm	7.00 mm
	Lever deflection	10 mm (maximum)	5.67 mm	4.95 mm	5.86 mm
11	CYCLE TEST				
11.2	Sample of locks shall be installed in the test door fixture. Use samples which successfully passed Operational Test 9.1 through 9.5				
11.3	Cycle Requirement Minimum		250,000 cycles	250,000 cycles	250,000 cycles

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION		
			Sample 1	Sample 2	Sample 3
11.4	At 50% of the Cycle Test is completed, repeat test 9.1 through 9.5		125,000 cycles	125,000 cycles	125,000 cycle
9.1	Force to Retract Unloaded Bolt				
9.1.2	By Lever	3.7 Nm (maximum)	Side A cw : 2.90 Nm ccw : 2.70 Nm Side B cw : 2.40 Nm ccw : 2.50 Nm	Side A cw : 2.50 Nm ccw : 2.50 Nm Side B cw : 2.40 Nm ccw : 2.30 Nm	Side A cw : 2.40 Nm ccw : 2.30 Nm Side B cw : 2.50 Nm ccw : 2.20 Nm
9.2	Force to Retract Preloaded Bolt (warped door)	9.6 Nm (maximum)	Side A cw : 5.50 Nm ccw : 5.00 Nm Side B cw : 5.00 Nm ccw : 5.50 Nm	Side A cw : 4.00 Nm ccw : 4.00 Nm Side B cw : 4.00 Nm ccw : 4.00 Nm	Side A cw : 4.00 Nm ccw : 4.00 Nm Side B cw : 4.00 Nm ccw : 5.00 Nm
9.3	Minimum Projection of Bolt when Depressed to Dead Latched Position	5.1 mm (minimum)	7.67 mm	7.69 mm	7.86 mm
9.4	Minimum Projection of Auxiliary Dead Latch Bolt to Deadlock Latch Bolt.	4.5 mm (minimum)	6.70 mm	7.56 mm	7.11 mm
9.5	Force to Latch Door	24 N (maximum)	11 N (Lock) 10 N (Unlock)	8.7 N (Lock) 9 N (Unlock)	8.5 N (Lock) 9 N (Unlock)

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION
11.5	Performance After Cycle Test At the completion of cycle test, locks shall operate per applicable functional description.		PASS All samples can be operated per applicable functional description.
11.6	Operation by Cylinder Cycle Test	Grade : 3 Cycle : 10,000	PASS All samples can be operated per applicable functional description.
12	SECURITY TESTS		
12.1	Dead Latch and strike Impact Test	Two blows of 80 J	PASS The door did not open after the test was completed.
12.2	Abusive Locked Lever Test	Grade 1 Only	NA
12.3	Locked Lever or Paddle Vertical Impact Test	Grade 1 Only	NA
12.4	Locked Cylinder In The Lever Face Impact Test	Grade 1 Only	NA
12.5	Locked Lever or Knob Catch Attack Test	50 lbf (Catch Force) 100 lbf (Axial Force)	PASS The door did not open after the test was completed.
12.6	Cylinder Assembly Pulling Test	1100 N (minimum)	PASS The door did not open after the test was completed.
12.7	Cylinder Assembly Torque Test	14 Nm (minimum)	PASS The door did not open after the test was completed.

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CLAUSE	TEST	REQUIREMENT	RESULT / OBSERVATION
13	MATERIAL EVALUATION TESTS		
13.1	Knob Crush Test	30% deformation (maximum) Key torque : 1.2 Nm	NA
13.2	Rose Assembly Dent Test	3.8 mm (maximum)	PASS (0.68 mm)
13.3	Outside Rose Deformation Test	Deformation :10% (maximum)	PASS (0.16 %)
14	FINISH TEST		
14.1	Neutral Salt Spray Test accordance to ASTM B-117 Materials without organic coatings Duration of exposure : 200 hours	Without Organic Coatings (200 Hours)	PASS No corrosion observed upon completion of test. (No red rust)
14.2	Humidity Test	240 hours	NA
14.3	Pencil Hardness Test of 4H	4H	NA
14.4	Perspiration Test	4 cycles	NA
14.5	Ultra Violet Light and Condensation	144 hours	NA

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Photograph of Test Sample

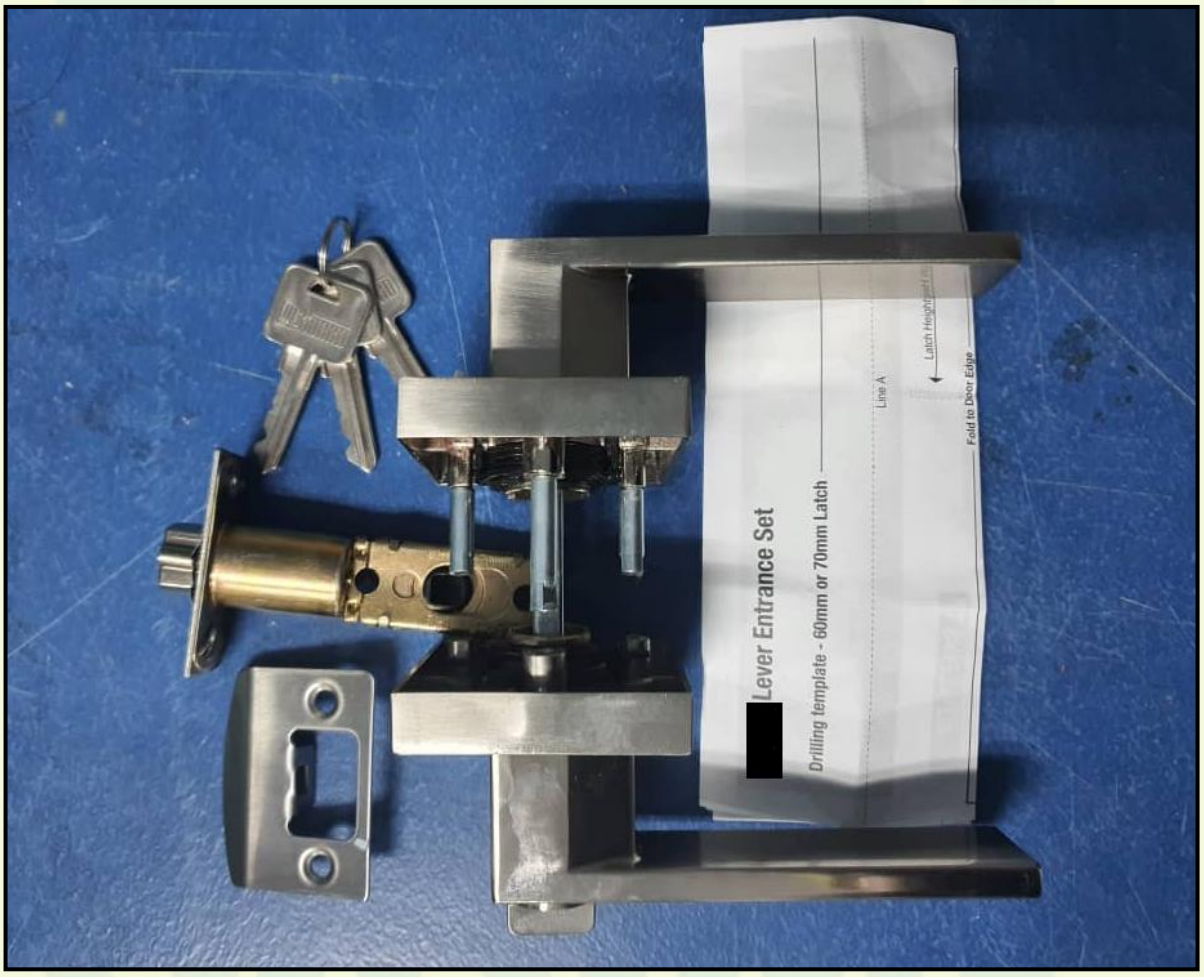

Figure 2: Tubular Leverset
(Model: GF 400-619 SN)

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CONDITIONS RELATING TO THE USE OF SIRIM QAS INTERNATIONAL TEST REPORT

1. A Test Report will be issued in respect of Testing Services conducted and shall relate only to the sample actually tested. SIRIM QAS International makes no warranty whatsoever and the Applicant shall not represent in any manner that any duplication or mass production of the Product is same as the sample actually tested or that SIRIM QAS International has tested any of the duplicated or mass-produced Product. Measurement uncertainty shall be included in the Test Report when there is no statement of conformity required. When a statement of conformity to a specification or standard is applied, the Simple Acceptance Rule is used. Unless otherwise stated, the Acceptance Rule with Guard Band is used.

2. The Test Report shall not be misused, amended, changed, varied or modified in any manner whatsoever by the Applicant or otherwise.

3. If the Test Report is to be furnished to any third party or to the public, each such Test Report shall be furnished in full, legible and in its entirety.

4. The Test Report shall not be reproduced and shall not in any event be used for any advertising purposes or whatsoever without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International of No 1, Persiaran Dato' Menteri, Building 8, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor Darul Ehsan.

5. Customer (Applicant/Manufacture/Factory,etc.) is not permitted to use any SIRIM QAS International, SIRIM or other SIRIM's subsidiaries logo or words on packaging, sample's manual, technical specification, items and products.

6. Subject to consent and written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE) of SIRIM QAS International, the customer (Applicant/Manufacture/Factory,etc.) may use SIRIM QAS International logo or word on the promotional materials and the Applicant shall only include the phrase, "A sample of this product has been tested by SIRIM QAS International ...(Test Report No) ...(dated) ...(for what test) ...(to which standard)" or such similar words which stress that only the sample was actually tested. This phrase shall only be used for the purpose of product advertisement or product promotion (eg; brochures/flyers/official website). For avoidance of doubt, the statement shall not be used on the sample, packaging of the sample, items and products.

7. In the event there is an investigation from a Government Regulatory Agency concerning the Applicant's Test Report, SIRIM QAS International may disclose the information pertaining to the Test Report for purposes of such investigation.

8. In the event the Applicant is found in breach of this provision, SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries without prejudice to any other rights and remedies may take whatever action necessary including but not limited to:
   a) Informing and placing a notice in the media;
   b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
   c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
   d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM's subsidiaries twice in a national publication of SIRIM QAS International's choice at the Applicant's sole cost; and
   e) Informing or lodging a report pertaining the Applicant's Test Report with the relevant authorities.

9. SIRIM QAS International is committed in supporting an environmentally-friendly business practices by reducing paper consumption, therefore we do not issue any hard copy of Test Report to the Applicant. However, additional certified true copy(ies) or softcopy of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee. The certified true copy(ies) or softcopy of test report shall only be given for test report issued not more than three (3) years from the date of issuance.

10. Issuance of Amendment Report due to the following reasons are chargeable to the Applicant :
    a) Changes in details of the Applicant name and/or address;
    b) Changes in details of the Manufacturer's name and/or address;
    c) Changes in details of the Factory location name and/or address;
    d) Changes in details of the model and/or type designation

11. However, issuance of Supplementary Report due to the following reasons are FOC :
    a) Misprints and typo errors;
    b) Missing technical information as agreed in PP1 form;
    c) Test data not reported;
    d) Mistake in reporting of test data

12. Corrections to report shall only be allowed if the date of issuance of the original report has not exceeded 6 months and shall be limited to a maximum 3 times, after either case whichever occurs earlier, an Amendment or a Supplementary Report shall not be issued.