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TEST REPORT

REPORT NO : 2024MA1443	PAGE : 1 OF 6
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE), SIRIM QAS International Sdn. Bhd. Please refer to the last page of this Test Report for Conditions Relating to the Use of Test Report.	

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : INTERNATIONAL DIECASTINGS SDN BHD
Lot 1833, Jalan KPB1 Balakong,
43300 Seri Kembangan
Selangor Darul Ehsan, MALAYSIA.

Manufacturer : Same as above

Product : IRON MONGERIES - WINDOW HANDLE

Reference Standard / Method of Test : MS 832: 2022 Aluminium alloy windows – specification
Clause 5.3 Operating device, bearing device and hardware (ANNEX H - Handles)

Description of sample : Brand: DEKKO
Model: ML-88
Type: Multipoint Window Handle
Material Part: Handles
No. of Samples: 2 units

Date Received of Complete Application : 08 November 2024

Job No. : J20241391157

Description of Test Results : This test report covers only test clauses as requested by Applicant to SIRIM QAS International Sdn. Bhd. The test results for the submitted test samples as described in this test report complied with the requirements of the above reference standard at the respective clauses tested.

Issued Date : 05 December 2024

Approved Signatory;

(SHAIRAZI BIN ABDUL WAHAB)
Senior Testing Engineer



(MOHD FAIZAR BIN MUSTAFA)
Head
Mechanical & Automotive Section
Testing Services Department

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TEST DESCRIPTION

1. Two (2) units of the test sample identified as 'DEKKO ML-88 Multipoint Window Handle' were submitted and received in good condition for durability and corrosion resistance testing in accordance with 'MS 832: 2022 Aluminium Alloy Windows – Specification' (ANNEX H – Inspection/Testing Program for Aluminium Alloy Windows).
2. The submitted samples provided by the applicant in this test report apply only to the samples as received.
3. The test was conducted at the testing lab of SIRIM QAS INTERNATIONAL SDN. BHD., located at Building 25, 1 Persiaran Dato' Menteri, Section 2, P.O. Box 7035, 40700 Shah Alam, MALAYSIA. The testing took place from November 15th, 2024, to November 22nd, 2024.
4. All types of tests were conducted by personnel from the Mechanical & Automotive Section (MAST), Testing Service Department, SIRIM QAS International Sdn. Bhd.
5. A Simple Acceptance Rule was used for the conformity statement. The level of risk regarding the Probability of False Acceptance is up to 50%, according to ILAC G8:09.
6. The abbreviations used in this test report are denoted as follows:

Pass: Complied with the requirement

N/A: Not applicable to the requirement

Fail: Did not comply with the requirement

N/C: Not conducted



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TECHNICAL DRAWING

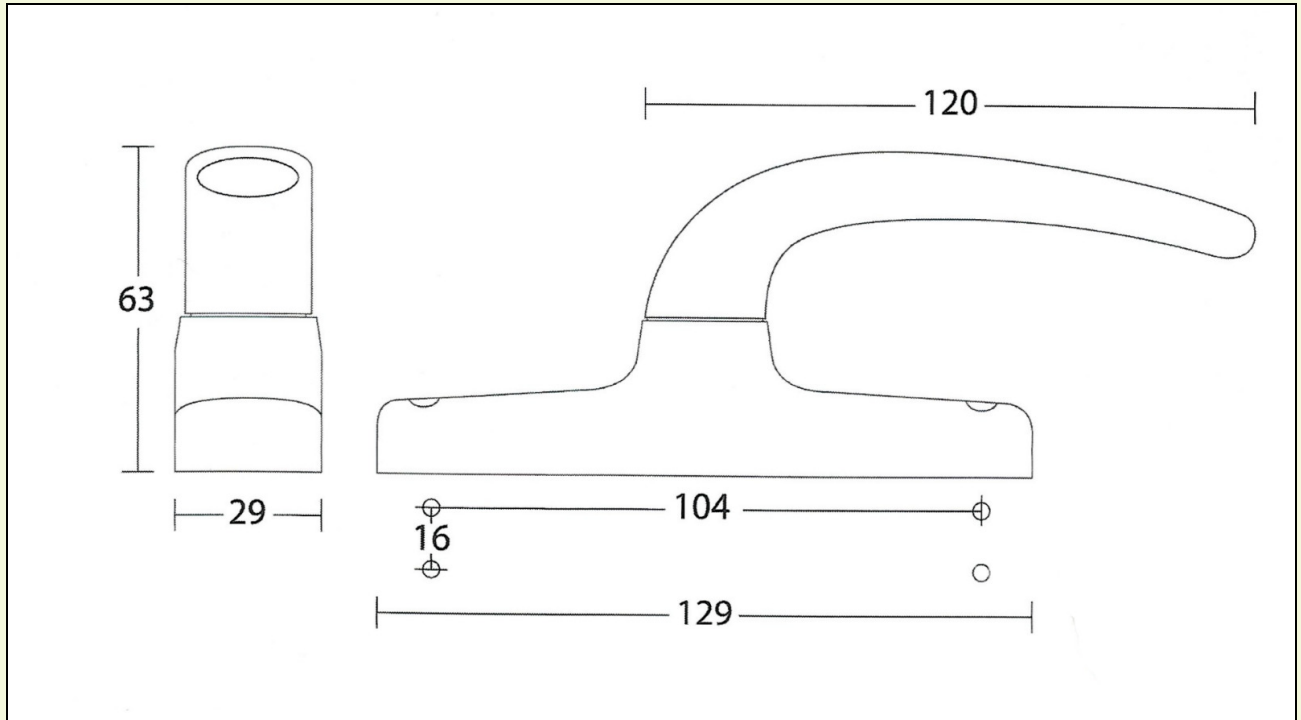


Figure 1: ML-88 Multipoint Window Handle



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TEST RESULT

Product: Multipoint Window Handle

Model: ML-88

Test Method/Standard: MS 832: 2022

Clause	Requirement	Results / Observations
5	Material	
5.3	Operating device, bearing device and hardware Shall be manufactured from materials compatible with the aluminium frames and other components with which they will come in contact. They shall facilitate ease of operation of operable parts of the window and retain the operable parts in secured position under repeated operation and service load. They shall comply to the following minimum requirements: Handles – 15,000 open-close cycles and 48 hrs salt spray corrosion test	Pass Material Part: Handles Application: Handles with clickable geared mechanism. Operational cycles: 90° Turn-Only <u>Durability test – 15,000 cycles:</u> No failures of any components were observed. The test sample remains operable after completing 15,000 open-close cycles. <u>Corrosion resistance test – 48 hrs:</u> No signs of tarnish. The test sample is capable of functioning normally.



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APPENDIX



Figure 2: Test sample of DEKKO ML-88 Multipoint Window Handle – Top



Figure 3: Test sample of DEKKO ML-88 Multipoint Window Handle – Bottom



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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. For quantitative test results (with values), when a statement of conformity to a specification or standard is applied, the Simple Acceptance Rule shall be used. Unless otherwise stated, the Acceptance Rule with Guard Band is used, and additional charge will be incurred accordingly.
3. For qualitative test results (visual observation), when requested by applicant, a statement of conformity in the Test Report shall be reported. Should there is no request by applicant, a statement of conformity in the Test Report can be reported based on our discretion.
4. The Test Report shall not be misused, amended, changed, varied or modified in any manner whatsoever by the Applicant or otherwise.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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
13. 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
14. 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.