

Test Report

LOADING TEST

Modular Bridge Handle (Door)

Sample Name: Handle
Part Number: BH-01
BH-MID-##, BH-END-##, BH-PIPE-266

Report Job No#: IS4025E0601R
Test Date: 25/05/2025
Test Standard: GB/T 25293-2010 | GB/T 228.1-2021

Approved by: 黄志鑫

DISCLAIMER:

The enclosed document is derived from original test reports and certificates carried out by the manufacturer and/or independent lab facilities. The contents of this report are meant for information purposes only relating to product & material quality, industry standards and/or guidelines. The contents of this report should not be used for advertisement, evidence or litigation purposes.

1. Test Information

Sample Name	Handle	Part Number	BH-01, BH-MID-##, BH-END-## BH-PIPE-266
Material	Q235	Finish	Powder Coated
Sample Status	Finished product (in good condition)	Quantity	2
Entrusting Department	Sales Department	Production Date/ Batch Number	2025-05-06
Commission Number	IS4025E0601	Sample Reception Date	2025-05-22
Test Date	2025-05-25 ~ 2025-05-25		
Test Item	Loading Test		
Test Location	Manufacturer Supplied Testing Facility		

2. Test Conclusion

Test Item	Test Standard/ Judgment Basis	Test Requirement	Conclusion
1 Loading Test	GB/T 25293-2010;GB/T 228.1-2021;	Fix the handle with ending base and middle base on the door plate, and apply a pulling force from the middle point of each side of the tube to test the ultimate pulling force value that the handle can withstand.	No judgment
2. Loading Test	GB/T 25293-2010;GB/T 228.1-2021;	Fix the handle with only the ending base on the door plate, and apply a pulling force from the middle point of the tube to test the ultimate pulling force value that the handle can withstand.	No judgment

3. Test Results

3.1. Loading Test

3.1.1. Test Equipment Information :

Device Name	Part Number	Serial Number	Calibration Date	Next Calibration Date
Servo Computer Universal Material Testing Machine	TH-82001S	YK-LAB-21-00 1	2024-08-08	2025-08-08

3.1.2. Sample Quantity : 1pc

3.1.3. Test Method/Standard :

GB/T 25293-2010 Mechanical door lock for cabinets of electrotechnical and electronic equipment 11.1;
GB/T 228.1-2021 Metallic materials—Tensile testing— Part 1 : Method of test at room temperature;

3.1.4. Test Requirement :

Fix the handle with ending base and middle base on the door plate, and apply a pulling force from the middle point of each side of the tube to test the ultimate pulling force value that the handle can withstand.

3.1.5. Test duration : 2025-05-25~2025-05-25


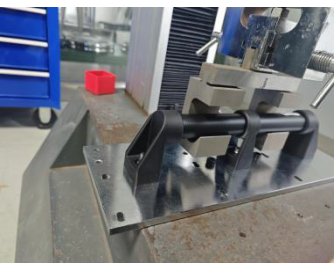


3.1.6. Temperature/℃: 23.7

3.1.7. Humidity/%RH: 60

3.1.8. Test Results :

Sample No.	Test Result	Conclusion
IS4025E0601-01	After the tube was subjected to a tension force of 10,791.24N, the ending base was deformed and the tube slipped out, and the middle base broke.	No judgment

3.1.9. Test Record Pictures :

			
Sample Picture	Test Status	Tension Diagram	Status After Test

3.2. Loading Test

3.2.1. Test Equipment Information :

Device Name	Part Number	Serial Number	Calibration Date	Next Calibration Date
Servo Computer Universal Material Testing Machine	TH-82001S	YK-LAB-21-00 1	2024-08-08	2025-08-08

3.2.2. Sample Quantity : 1pc

3.2.3. Test Method/Standard :

GB/T 25293-2010 Mechanical door lock for cabinets of electrotechnical and electronic equipment 11.1;

GB/T 228.1-2021 Metallic materials—Tensile testing— Part 1 : Method of test at room temperature;

3.2.4. Test Requirement :

Fix the handle with only the ending base on the door plate, and apply a pulling force from the middle point of the pipe to test the ultimate pulling force value that the handle can withstand.

3.2.5. Test duration : 2025-05-25~2025-05-25



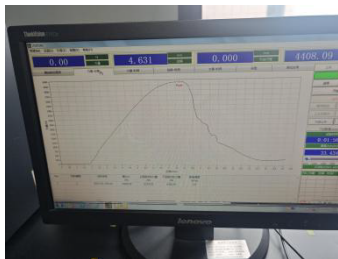


3.2.6. Temperature /C°: 23.7

3.2.7. Humidity/%RH : 60

3.2.8. Test Results :

Sample No.	Test Result	Conclusion
IS4025E0601-02	After the tube was subjected to a pulling force of 4408.09N, the ending base broke and the tube slipped out.	No judgment

3.2.9. Test Record Pictures :

			
Sample Picture	Test Status	Tension Diagram	Status After Test
	-	-	-
Status After Test			

4. Report Opinions and Explanations : N/A

5. Declaration :

1. The requirement was extracted from the type of Loading Test in GB/T 25293-2010; GB/T 228.1-2021
2. The above test project/method was carried out by subcontractors

Note: This test report is an English version of test report IS4025E0601R (dated: 25/05/2025)
This report is for reference only.

Unless otherwise stated, this report provides a declaration of conformity according to whether the test results are within the specific limits or specifications without compromising the measurement uncertainty.

End Of Report

*** END OF REPORT ***

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