

Test Report



A Z U M A
H O N G K O N G

AS5041 SECTION 8: KNIFE SHEAR TEST

CLIENT – ZHEJIANG KUNYU WIREMESH CO., LTD

PRODUCT – KY-SS-01

TESTED BY
AZUMA TESTING LTD

AZHK220924



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Test results in this report are relevant only to the sample tested.

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/National Standard

1 General Information

Customer	ZHEJIANG KUNYU WIREMESH CO., LTD
Address	Room 1018, 10th Floor, Building 11, No. 88, Yuzhang Road, Shangcheng District, Hangzhou City, Zhejiang Province, China
Date(s) of Test	21/09/2022
Test Sample ID	AZHK220924
Product Code	KY-SS-01
Test Sample Description	RY220917
Infill Material	SUS316
Infill Type	Woven Mesh
Material Gauge	0.91mm
Mesh Thickness	1.70mm
Aperture	1.63mm
Spacing	2.54mm
Mass per m²	3.83kg
Drawing No:	KY-210828-1
Surface finish/ coating	Powder Coating
Manufacturer(s)	ZHEJIANG KUNYU WIREMESH CO., LTD

* The above information is provided by the client. Azuma HK does not take liability to the accuracy of this information

2 Procedures

The test specimen shall be secured in a test frame prior to testing.

A straight draw line of 250 ± 5 mm long was marked on the center of the test specimen. The line follows the path of least resistance of the infill material.

An apparatus complying with Section 8 of AS5041-2003 was used. A trimming knife was positioned at the start of the draw line and drawn smoothly along with a force of 150 ± 5 N vertically downwards, a force of up to 350 N horizontally and at a draw speed of 6.0 ± 1.0 mm/sec.

If the trimming knife became snagged, the forces shall be applied for 20s at a force of 350 N. If the blade remained snagged, the cut shall be deemed completed.

The procedures were repeated for a total of 3 cuts on the same specimen and draw line. A new trimming blade for each cut.

3 Test Result Summary

Knife Shear Test	Result
AZHK220924	Pass

4 Test Result

Test Specimen	AZHK220924	
Test Number	Length of complete penetration (in mm)	New Blade used (Yes/ No)
Test 1	6.80mm	Yes
Test 2	20.06mm	Yes
Test 3	22.78mm	Yes

5 Observations

Test Specimen	AZHK220924
Test 1	6.80mm Penetration and snagged for 20 seconds
Test 2	20.06mm Penetration and snagged for 20 seconds
Test 3	22.78mm Penetration and snagged for 20 seconds

Test Report

6 APPENDIX

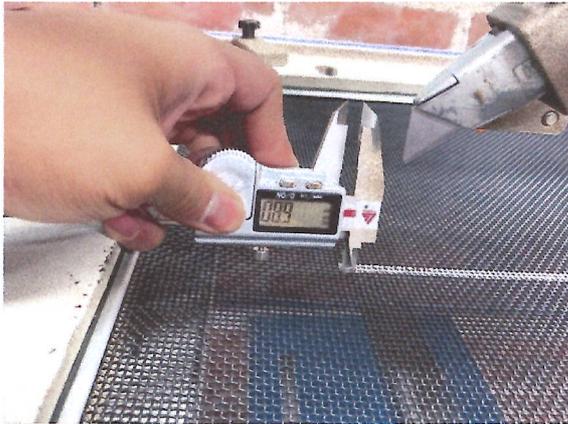


Figure 1: AZHK220924 1st cut

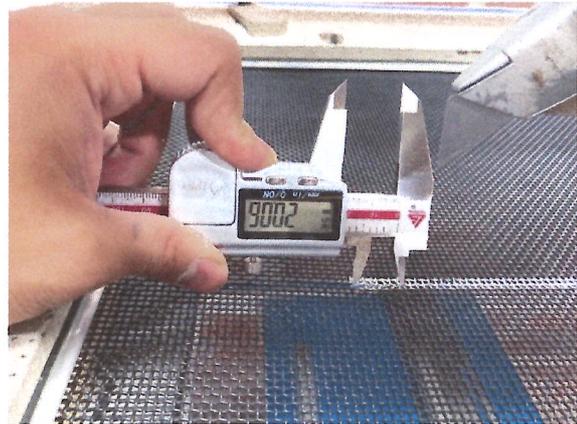


Figure 2: AZHK220924 2nd cut

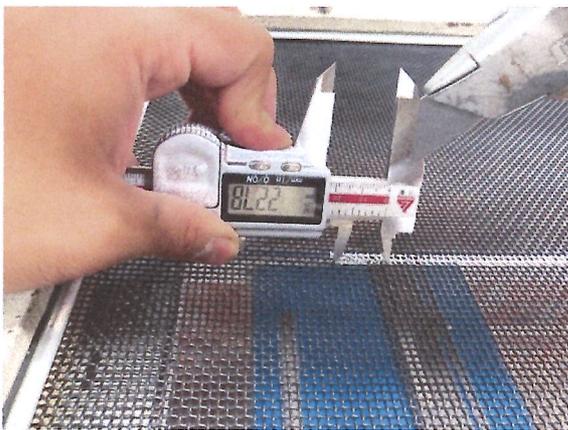
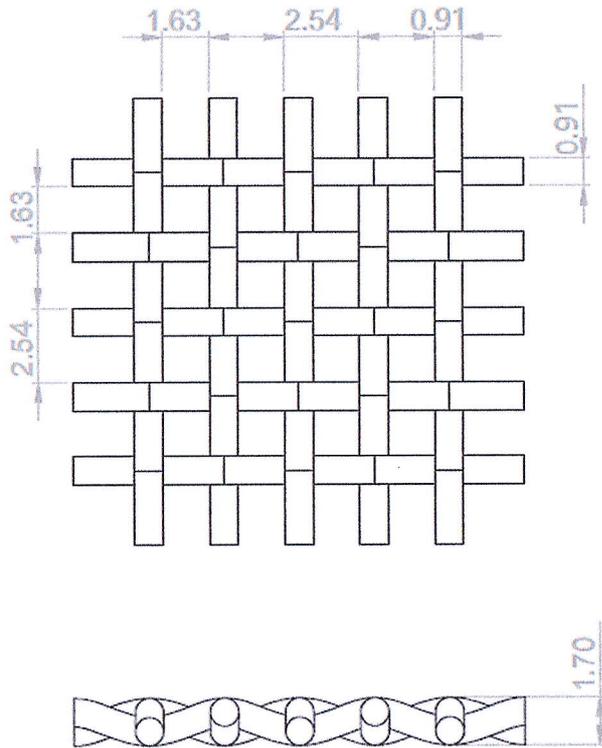


Figure 3: AZHK220924 3rd cut



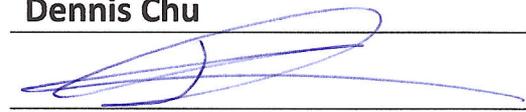
7 Drawings (As Supplied by customer)



Commy Name: ZHEJIANG KUNYU WIREMESH CO., LTD
Product Name: KY-SS-01
Drawing Number: KY-210828-1
Issue Date: 28/08/2021

8 Signatories

Tested By: **Lok Cheung**
Signature: 
Date: **22/09/2022**

Checked By: **Dennis Chu**
Signature: 
Date: **22/09/2022**



END OF REPORT

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