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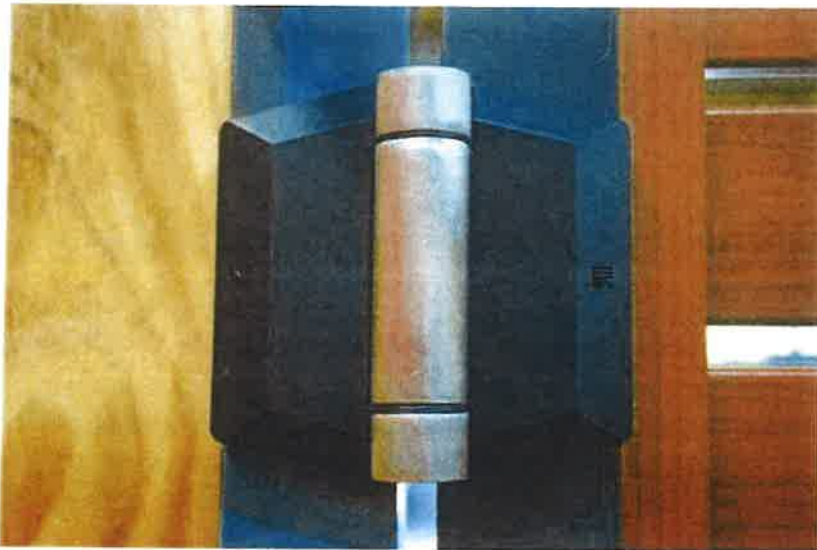
# TEST REPORT

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A Z U M A  
Design

POOL FENCE



CLIENT – GLASS HARDWARE AUSTRALIA

PRODUCT – 156 UTILITY HINGE

TESTED BY

AZUMA DESIGN PTY LTD

AZT0620.22

NATA ACCREDITED LABORATORY NO. 15147

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

# 1 Customer Requirements

To test the pool fence sample according to AS1926.1 Set 2012- Swimming Pool Safety Standards Set- Section 3- Loading Requirements. Only the applicable tests for this type of sample shall be carried out.

## 2 Test Sample Information

### 2.1 General Information

Product Name/Number	156 Utility Hinge
Customer	Glass Hardware Australia
Address	6/4 Stockyard Place, West Gosford NSW 2250
Azuma Test Number	AZT0620.22
Date of Test	29/11/2022 - 07/12/2022
Sample Condition	Test Sample supplied and setup by customer
Overall Size	1020 mm (Width) x 1960 mm (Height)
Test Sample Description	Hinged Gate made from 50 x 50 Box Section frame with aluminium slat infill.

### 2.2 Barrier

Material	Aluminium	
Overall Dimensions	Horizontal	895 mm
	Vertical	1800 mm
Gap between Vertical Elements (< 100 mm)	10 mm	
Spacing between Vertical Elements	N/A	
NCZ of Horizontal Elements (> 900 mm)	1723 mm	
Total Product Height Greater than 1200 mm	1800 mm	
Gap between bottom of barrier and finished ground level (< 100 mm)	30 mm	

## 2.3 Gate

See Section 2.2

## 2.4 Posts

Material	Aluminium
Overall Dimensions	50 x 50 x1960 mm
Base Plate (if applicable)	N/A
Drawing Supplied	Not supplied
Fixing Method	N/A
Spacing between Posts	970 mm

## 2.5 Hardware

Latch Product Name	Not Provided
Latch Manufacturer	D & D Technologies
Latch Position	1530 mm from Bottom of Gate
Latch Type	Ramp
Hinge Product Name	156 Utility Hinge
Hinge Manufacturer	Glass Hardware Australia
Number of Hinges	2
Hinge Positions	200 mm from top and bottom
NCZ Distance between Hinges (>900 mm)	1390 mm
Hinge Type	Spring with dampeners

### **3 Strength and Rigidity of Barrier Openings**

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Not Requested by customer

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### **4 Strength of Posts and Footings**

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Not Requested by customer

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### **5 Strength of Fencing Components**

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Not Requested by customer

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### **6 Flexible Materials & Components**

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Not Required by design type

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### **7 Strength Test for Rigid Components of Gate Units**

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Not Requested by customer

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## 8 Durability of Gate Units

Number of Operations the sample completed	25,000 cycles
Does the gate still comply with clause 2.4 after test completed	Yes
The force required to release the latch at the start of the test	5 N
The force required to release the latch at the end of the test	5 N
Any damage to the gate, hinges, latching device or gate posts at the end of the test	Nil
Result	Pass

## 9 Additional Testing for Gate Units

Gate Closes under natural weight	Yes
Gate opened and 25 kg placed 100 mm from locking stile	Yes
Gate closed and 25 kg placed 100 mm from locking stile	Yes
Result	Pass


## 10 Conclusion and Signatories

### 10.1 Conclusion

From the results achieved, it is evident that the sample satisfied the tested requirements as per AS1926.1-2012 Swimming Pool Safety Standards Set.

### 10.2 Signatories

Tested By: Ryan Pavey

Signature: 

Date: 08/12/2022

**END OF REPORT**

