



## TEST REPORT

<b>MTL Report No.</b>	J59515.1	<b>Order No.</b>	017026	<b>Date Tested</b>	11/06/2021
<b>Client Name</b>	Spiraweld Stainless			<b>Attention</b>	Campbell Batts
<b>Test Method</b>	AS 2205.2.1: 2003		<b>Acceptance Criteria</b>		Report findings
<b>Sample Description</b>					
<b>Joint Type</b>	Butt welded test coupon				
<b>Material</b>	304L Stainless	<b>Material Thickness (mm)</b>	2mm and 3mm		
<b>Marking</b>	Sample 1: 304L 150Amp 3mm thick Sample 2: 304L 105 Amp 2mm thick	<b>Procedure</b>	105 Amp (2mm) and 150 Amp (3mm)		
<b>Process</b>	Not supplied	<b>Welder I.D.</b>	Not supplied		
<b>Equipment Used</b>	Shimadzu Universal Grade 1 Testing Machine, Model No. REH 50, Serial No. 72666.				
<b>Type of sample</b>	Reduced Section	<b>Special Preparations</b>	Weld Reinforcement Removed		
<b>Transverse Weld Tensile Test</b>					
<b>Test No.</b>	<b>1</b>		<b>2</b>		
<b>Diameter / Dimensions (mm)</b>	26.16 x 3.05		25.50 x 2.05		
<b>Cross Sectional Area (mm<sup>2</sup>)</b>	79.79		52.28		
<b>Tensile Load (kN)</b>	53.34		32.76		
<b>Tensile Strength (MPa)</b>	669		627		
<b>Fracture Location</b>	Weld		Weld		
<b>Specific Criteria: Min. Tensile Strength (MPa)</b>	Not Applicable		Not Applicable		
<b>Comments</b>					

This report applies only to the sample/s as tested.			
<b>Testing Technician</b>	Luis Siasoco	<b>Date of Issue</b>	11/06/2021
<b>Checked By</b>	Dan Lee	<b>Approved by</b>	Luis Siasoco - IANZ Signatory
<b>Signature</b>		<b>Signature</b>	

**MTL Report No.: J59515.1**

**Test method: AS 2205.2.1:2003**

**Date tested: 11 June 2021**

**Details:**

Test 1: Taken from a production run of 12" 3mm 304L tube  
Weld Tensile strength measured at 669 MPa  
Heat Cert gave a Tensile Strength of 679 MPa for the material used  
Therefore, indicating a 1% loss of strength in the weld

Test 2: Taken from a production run of 8" 2mm 304L tube  
Weld Tensile strength measured at 627 MPa  
Heat Cert gave a Tensile Strength of 676 MPa for the material used  
Therefore, indicating a 7% loss of strength in the weld