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## Test Report for NBS ERW 48.3mm x 3.2mm Scaffold Tube

<b>Report No:</b>
<b>Report Date:</b>
Specimen I.D.
Clients I.D.
<b>Testing Machine:</b>

**Client:** MT-14/465-T#1 3-Jul-14 NBSS 48.3 x 3.2 Scaff Tube Tube Supplier #1 Sintech 60/D

New Bridge Services Export Div (HK) 1318-20, 13, Hollywood Plaza 9610, Hong Kong

Conditions: The test data as reported is specific to the properties of ERW tube in accordance with AS 1163 and AS/NZS 1576.1. MTS shall therefore take no responsibility for properties of the tube other than those specifically reported herein.

## **TEST DETAILS**

Test Date:	June 27th	June 27th 2014					
Extensometer Gauge Length:	L <sub>e</sub>	(mm)	50.00				
TENSILE SPECIMEN DET	AILS				Tube Geon	netry	
Width:	b	(mm)	12.62		$d_o (mm)$	48.6	P
Thickness:	a	(mm)	3.09	AS 1163	t (mm)	3.1	P
Area:	S <sub>o</sub>	$(mm^2)$	39.00	C450	o (%)	0.72	Pa
Gauge Length:	L <sub>o</sub>	(mm)	35.00	Tensile	Coating Thickness		
Parallel Length:	L <sub>c</sub>	(mm)	77.00	Requirements	$Ct(g/m^2)$	514	P
TENSILE PROPERTIES				(min)	_		
Tensile Strength:	$R_{\rm m}$	(MPa)	598	500			
Proof Stress:	$R_{\rm p0.2}$	(MPa)	490	450			
Post Fracture Elongation:	A	(%)	17	14			
FLATTENING TEST	Observations:		The test piece did not crack, fracture or show any sign				

## **Test Comments:**

Tested in accordance with AS 1391-2007 and AS 1163-2009. The mechanical properties for the 48.3mm x 3.2mm Circular Hollow Section tube meet the requirements for AS 1163 C450 Grade tube. The scaffold tube as tested and reported herein exceeds the requirements of AS/NZS 1576.1 whereby the minimum allowable yield strength for ERW tube is 250MPa. Tensile tests covered by MTS scope of nata accreditation. Geometry and coating thickness tests not covered by scope of accreditation.

Rod Wilkie **Authorised Signatory** 



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of failure upon flattening to 75% of  $d_o$  and therefore passed the test.



Accreditation No: 1047