

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d / do	b	t	L	Specification	Grade	Product Description
20321M10023	20321M10032	50.5	50.5	2.0	Any	AS/NZS AS1163 : 2016	C350L0	Galvanised 50.5x50.5x2.0

Heat No.	Steel Supplier	Testing Authority/NATA (ILAC) No			Steel Chemical Analysis																Mechanical Test Results (Orientation-"L")													
		Tensile	Impact	Chemical	Analysis Type "L"/"P"	Testing Report No	C	P	Mn	Si	S	Ni	Cr	Mo	Cu	Al	Ti	Nb	V	B	CE	SiE	Testing Report No-Sample ID	Condition	Tensile Test			Impact Test at 0°C						
							(% x 100)	YS	TS	E	1	2	3	Avg																				
7754319	Australia-BSL	VTS/19968		BSL/632	L	D67271	16.2	1.9	73	0.6	1.2	2.2	3	0.3	3.4	3.5	<0.2	0.1	<0.3	<0.03	29	5												
7754378	Australia-BSL	VTS/19968		BSL/632	L	60057WP D/2	16.1	1.7	72	0.6	1.1	1.8	2.8	0.3	4.7	4.1	<0.2	0.1	<0.3	0.03	29	5												
7754819	Australia-BSL	VTS/19968		BSL/632	L	62864WP D/2	17.1	1.6	73	0.6	1.4	2.4	3.4	0.3	5.2	3.5	<0.2	0.1	<0.3	0.03	30	5	VT20-715-20013	A	382	460	39							
7756248	Australia-BSL	VTS/19968		BSL/632	L	60057WP D/2	16	1.9	72	0.7	1.5	2.4	3.6	0.3	5.3	3.7	<0.2	0.1	<0.3	0.03	29	5												

- Notes:**
- 1) CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15;
 - 2) SiE=Si+2.5P;
 - 3) Gauge Length for E= 5.65VSo;
 - 4) Impact test piece thickness is 5 mm;
 - 5) For t less than 6 mm L0 properties derived as per Cl 9.4.2.3 (b) of AS/NZS 1163;
 - 6) "L" = LADLE, "P" = PRODUCT
 - 7) ALS=Australian Laboratory Services Industrial; VTS= Victorian Testing Inspection Services P/L; SS=Spectrometer Services Pty Ltd; BSL=Bluescope Steel;
 - 8) The production date in the format yyddd constitutes the first 5 digits of the pack number and is printed on each length;
 - 9) The steel is made by basic oxygen or an electric arc process and is fully killed, continuously cast and fine grained. The strip was hot rolled at the hot strip mill.
 - 10) Statistical sampling to AS1163 Cl B3.2.



Product Test Certificate

201918

Certificate Number

24/11/2020

Date



CERT NO.
161104

Packs covered by this certificate

Heat	Pack Numbers
7754819	20321M10023 20321M10024 20321M10025 20321M10026 20321M10027 20321M10028
7756248	20321M10028 20321M10029 20321M10030
7754378	20321M10030 20321M10031 20321M10032
7754319	20321M10032

Australian Pipe and Tube confirms that products listed above were manufactured, tested, and supplied in full compliance with the specifications quoted in this certificate.

**Authorized signatory: MIKE DOUBLEDAY
MANAGER**