

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d / do	b	t	L	Specification	Grade	Product Description
20329M10035	20329M10046	50.0	25.0	2.5	Any	AS/NZS AS1163 : 2016	C350L0	Painted 50x25x2.5

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																	
7759019	Australia-BSL	VTS/19968		BSL/632	L	D68160	15.5	1.9	74	0.7	1.7	1.7	3	0.3	4.4	3.3	<0.2	0.1	<0.3	<0.03	29	5	VT20-742-20044	A	464	526	24				
7759069	Australia-BSL	VTS/19968		BSL/632	L	D68160	16.2	1.7	73	0.8	1.6	2.1	4.2	0.3	4.7	2.6	<0.2	0.1	<0.3	<0.03	29	5									
7759719	Australia-BSL	VTS/19968		BSL/632	L	D68344	15.3	1.6	73	0.6	1.6	2	1.5	1.5	0.2	3.8	3.2	0.1	<0.3	<0.03	28	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 CI 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 CI B3.2.



# Product Test Certificate

**201946**

Certificate Number

**2/12/2020**

Date



CERT NO.  
**161104**

## Packs covered by this certificate

Heat	Pack Numbers
7759069	20329M10035 20329M10036 20329M10037 20329M10038 20329M10039 20329M10040 20329M10041 20329M10042 20329M10043 20329M10044 20329M10045
7759019	20329M10035 20329M10042 20329M10043 20329M10045 20329M10046
7759719	20329M10037 20329M10038 20329M10040 20329M10041

**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**