

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
22354M10083	22354M10086	100.0	50.0	4.0	Any	AS/NZS AS1163 : 2016	C350L0	Painted 100x50x4.0
22355M10001	22355M10001							

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
																			MPa			%				Joules					
7832719	Australia-BSL	VTS/19968		BSL/632	L	D97031	15.4	1.6	72	0.6	0.8	6.9	3.7	0.7	4.2	3.4	<0.2	0.1	<0.3	<0.03	28	5	22-465/11-28585	A	452	520	27				
7836619	Australia-BSL	VTS/19968		BSL/632	L	D96026	15.2	1.4	74	0.5	1.3	7.9	4.3	0.8	5.3	3.6	<0.2	0.1	<0.3	<0.03	29	4									

Notes:

- CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15;
- SiE=Si+2.5P;
- Gauge Length for E= 5.65VSo;
- Impact test piece thickness is 5 mm;
- For t less than 6 mm L0 properties derived as per CI 9.4.2.3 (b) of AS/NZS 1163;
- "L" = LADLE, "P" = PRODUCT
- ALS=Australian Laboratory Services Industrial; VTS= Victorian Testing Inspection Services P/L; SS=Spectrometer Services Pty Ltd; BSL=Bluescope Steel;
- The production date in the format yyddd constitutes the first 5 digits of the pack number and is printed on each length;
- 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.
- Statistical sampling to AS1163 CI B3.2.
- Tensile test performed to AS1391, impact test- to AS1544.2



Product Test Certificate

231004

Certificate Number

1/8/2023

Date



CERT NO.
161104

Packs covered by this certificate

Heat	Pack Numbers
7832719	22354M10083 22354M10084 22354M10085 22355M10001
7836619	22354M10085 22354M10086

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