

RHS/SHS/CHS
Nominal Size (mm)

PackFrom	PackTo	d / do	b	t	L	Specification	Grade	Product Description
22228M10090	22228M10165	100.0	100.0	6.0	Any	AS/NZS AS1163 : 2016	C350L0	Painted 100x100x6.0
22230M10001	22230M10025							

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																											
32230341	Import	VTS/19968	VTS/19968	CNAS L0184	P	IP3M406-1	14	1.3	84	1	0.5	1	2	0	2	2.8	0	1	0	0	29	4	22-310/13-26362	A	410	493	24	67	61	68	65
7828539	Australia-BSL	VTS/19968		BSL/632	L	C37308	15.7	1.1	72	1.2	1.1	1.7	3.5	0.4	6.2	3.6	<0.2	0.1	<0.3	<0.03	29	4									
7835279	Australia-BSL	VTS/19968		BSL/632	L	C37333	16.1	2.2	72	0.9	1.2	6.7	4.5	0.8	4.3	3.6	<0.2	0.1	<0.3	<0.03	29	6									
7843069	Australia-BSL	VTS/19968	VTS/19968	BSL/632	L	C37336	15.6	1.7	71	0.5	1.2	1.6	4.2	300	4.6	2.9	<0.2	0.1	<0.3	<0.03	28	5	22-310/13-26361	A	419	489	22	47	54	48	50

- 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.
 - 11) Tensile test performed to AS1391, impact test- to AS1544.2



Product Test Certificate

221411

Certificate Number

29/08/2022

Date



CERT NO.
161104

Packs covered by this certificate

Heat	Pack Numbers
7843069	22228M10090 22228M10091 22228M10092 22228M10093 22228M10094 22228M10095 22228M10096 22228M10097 22228M10098 22228M10099 22228M10100 22228M10101 22228M10102 22228M10103 22228M10104 22228M10105 22228M10106 22228M10107 22228M10108 22228M10109 22228M10110 22228M10111 22228M10112 22228M10113 22228M10114 22228M10115 22228M10119 22228M10120 22228M10121 22228M10124 22228M10125 22228M10126 22230M10016 22230M10017 22230M10018 22230M10019 22230M10020 22230M10021 22230M10024 22230M10025
7828539	22228M10115 22228M10116 22228M10117 22230M10014 22230M10015 22230M10016 22230M10021 22230M10022 22230M10023 22230M10024
7835279	22228M10117 22228M10118 22228M10119 22228M10122 22228M10123 22228M10124
32230341	22228M10126 22228M10127 22228M10128 22228M10129 22228M10130 22228M10131 22228M10132 22228M10133 22228M10134 22228M10135 22228M10136 22228M10137 22228M10138 22228M10139 22228M10140 22228M10141 22228M10142 22228M10143 22228M10144 22228M10145 22228M10146 22228M10147 22228M10148 22228M10149 22228M10150 22228M10151 22228M10152 22228M10153 22228M10154 22228M10155 22228M10156 22228M10157 22228M10158 22228M10159 22228M10160 22228M10161 22228M10162 22228M10163 22228M10164 22228M10165 22230M10001 22230M10002 22230M10003 22230M10004 22230M10007 22230M10008 22230M10009 22230M10010 22230M10011 22230M10012 22230M10013

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**