

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d / do	b	t	L	Specification	Grade	Product Description
22104M10068	22104M10125	89.0	89.0	5.0	Any	AS/NZS AS1163 : 2016	C350L0	Painted 89x89x5.0
22110M10001	22110M10012							

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			
6823708	Australia-BSL	VTS/19968		BSL/632	L	C37279	15.6	1.6	71	0.7	1.3	2.5	4.8	0.7	5.3	3.7	<0.2	0.1	<0.3	0.03	28	5												
7816969	Australia-BSL	VTS/19968		BSL/632	L	C37300	15.8	1.6	73	0.9	1	1.7	4.2	0.3	4.7	3.1	<0.2	0.1	<0.3	<0.03	29	5												
7816979	Australia-BSL	VTS/19968		BSL/632	L	C37300	15.8	1.5	72	0.8	1.1	1.5	3.2	0.2	4.5	3.7	<0.2	0.1	<0.3	<0.03	29	5	22-140/10-25115	A	433	493	29							

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



# Product Test Certificate

**221203**

Certificate Number

**20/04/2022**

Date



CERT NO.  
**161104**

## Packs covered by this certificate

Heat	Pack Numbers
7816979	22104M10068 22104M10069 22104M10070 22104M10072 22104M10073 22104M10074 22104M10078 22104M10079 22104M10080 22104M10083 22104M10084 22104M10089 22104M10090 22104M10091 22104M10092 22104M10097 22104M10098 22104M10099 22104M10125 22110M10001 22110M10007 22110M10008 22110M10009 22110M10010 22110M10011 22110M10012
6823708	22104M10070 22104M10071 22104M10072 22104M10074 22104M10075 22104M10076 22104M10084 22104M10085 22104M10086 22104M10087 22104M10088 22104M10089 22104M10107 22104M10108 22104M10116 22104M10117 22104M10118
7816969	22104M10076 22104M10077 22104M10078 22104M10081 22104M10082 22104M10093 22104M10094 22104M10095 22104M10096 22104M10097 22104M10099 22104M10100 22104M10101 22104M10102 22104M10103 22104M10104 22104M10105 22104M10106 22104M10109 22104M10110 22104M10111 22104M10112 22104M10113 22104M10114 22104M10115 22104M10116 22104M10119 22104M10120 22104M10121 22104M10122 22104M10123 22104M10124 22104M10125 22110M10001 22110M10002 22110M10003 22110M10004 22110M10005 22110M10006 22110M10007

**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**