Product Test Certificate

231421 Certificate Number

27/11/2023 Date

PackFrom	PackTo
23326M10001	23326M10054
23327M10001	23327M10036

RHS/SHS/CHS Nominal Size (mm) d /do	b	t	L	Specification	Grade	Product Description
100	100	3.0	Any	AS/NZS 1163 : 2016	C350L0	Painted 100x100x3.0

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			
																									YS	TS	E	1	2	3	Avg
							(% x 100)																		MPa		%	Joules			
7921269	BSL Australia	VTS		BSL 0632	L	D18005	16	1.3	72	0.9	1.4	2	3.1	0.5	4.5	3.3	<0.2	0.1	0.3	<0.03	29	4									
7921419	BSL Australia	VTS		BSL 0632	L	D18005	15.9	1.2	71	0.6	1.6	2.5	6	0.7	5.5	3.3	<0.2	0.1	0.3	<0.03	29	4	23-454/9-30031	A	434	498	22				
7921439	BSL Australia	VTS		BSL 0632	L	D18005	15.9	1.3	74	0.7	1.7	2.4	3.5	0.6	5.4	3.7	<0.2	0.1	0.3	0.03	29	4									
SQ31648	Import	VTS		CNAS	L	230824-FH0	14.2	1.17	81.9	0.8	0.36	0.7	1.9	0.2	1	1.7	0.1	0	0	0.01	29	4									
SQ33940	Import	VTS		CNAS	L	230824-FH0	13.17	1	86.7	0.6	0.3	0.7	2.3	0.4	1.8	2.5	0.1	0	0.1	0.01	29	3									
SQ34106	Import	VTS		CNAS	L	230824-FH0	14.38	1.31	84.3	0.8	0.32	0.5	1.7	0.2	1.1	2.5	0.1	0	0	0.1	29	4	23-454/9-30028	A	449	514	32				

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Notes:

1) CE=C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15; **2)** SiE=Si+2.5P; **3)** Gauge Length for E= 5.65√So; **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)** Analysis Type: "L" = LADLE, "P" = PRODUCT

7) VTS = Victorian Testing Inspection Services P/L: NATA Accreditation Number: 19968; BSL = BlueScope Steel (AIS) Pty Limited: NATA Accreditation Number: 0632; ILAC = International Laboratory Accreditation Cooperation (CNAS L0184 / KT101);

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 AS/NZS 1163-2016 Cl B3.2.

11) Tensile tests performed in accordance to AS1391, Impact tests performed in accordance to AS1544.2

12) APT holds ACRS accreditation (Certification Number: 161104) for the manufacture of cold-formed structural steel hollow sections to AS/NZS 1163:2016.

Packs covered by this certificate

Heat	Pack Numbers
SQ34106	23326M10001 23326M10002 23326M10003 23326M10004 23326M10005 23326M10006 23326M10007 23326M10008 23326M10009 23326M10019 23326M10020 23326M10021 23326M10022 23326M10023 23326M10024 23326M10025 23326M10026 23326M10027 23326M10028 23326M10029 23326M10030 23326M10031 23326M10032 23326M10033 23326M10034 23326M10035 23326M10036 23326M10037 23326M10038 23326M10039 23326M10040 23326M10041 23326M10042 23326M10043 23326M10044 23326M10045 23326M10046 23326M10047 23326M10048 23326M10049 23326M10050 23326M10051 23326M10052
SQ31648	23326M10009 23326M10010 23326M10011 23326M10012 23326M10016 23326M10017 23326M10018 23326M10019
SQ33940	23326M10012 23326M10013 23326M10014 23326M10015 23326M10016
7921419	23326M10053 23326M10054 23327M10001 23327M10002 23327M10003 23327M10004 23327M10005 23327M10006 23327M10007 23327M10008 23327M10009 23327M10010 23327M10011 23327M10012 23327M10013 23327M10014 23327M10015 23327M10032 23327M10033 23327M10034 23327M10035 23327M10036
7921269	23327M10015 23327M10016 23327M10017 23327M10026 23327M10027 23327M10028 23327M10029 23327M10030 23327M10031 23327M10032

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7921439	23327M10017 23327M10018 23327M10019 23327M10020 23327M10021 23327M10022 23327M10023 23327M10024 23327M10025 23327M10026

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