Product Test Certificate

231431 Certificate Number

30/11/2023 Date

PackFrom	PackTo
23331M10029	23331M10053
23332M10001	23332M10040

RHS/SHS/CHS Nominal Size (mm) d /do	b	t	L	Specification	Grade	Product Description
150	50	3.0	Any	AS/NZS 1163 : 2016	C350L0	Painted 150x50x3.0

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	23-454/12-30041	A	465	528	30				
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									
SQ33943	Import	VTS		CNAS	L	230824-FH0	13.64	1.1	86.2	0.7	0.31	0.7	2.2	0.3	2.2	2.2	0.1	0	0	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	23-454/11-30040	A	436	501	30				

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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	23331M10029 23331M10030 23331M10031 23331M10032 23331M10033
SQ33940	23331M10033 23331M10034 23331M10035 23331M10036 23331M10037 23331M10041 23331M10042 23331M10043 23331M10044 23331M10045 23331M10046 23331M10047 23331M10048 23331M10049 23331M10050 23331M10051 23331M10052 23331M10053 23332M10001 23332M10002 23332M10003 23332M10004 23332M10005 23332M10006
SQ33943	23331M10037 23331M10038 23331M10039 23331M10040 23331M10041
7921269	23332M10007 23332M10008 23332M10009 23332M10010 23332M10011 23332M10015 23332M10016 23332M10017 23332M10018 23332M10019 23332M10020
7921419	23332M10011 23332M10012 23332M10013 23332M10014 23332M10015 23332M10021 23332M10022 23332M10023 23332M10025 23332M10026 23332M10027 23332M10028 23332M10029 23332M10030 23332M10031 23332M10032 23332M10033 23332M10034 23332M10035 23332M10036 23332M10038 23332M10039 23332M10040

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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