



# Product Test Certificate

**231033**

**9/02/2023**

Certificate Number

Date

RHS/SHS/CHS  
Nominal Size (mm)

PackFrom	PackTo	d /do	b	t	L	Specification	Grade	Product Description
23035M10076	23035M10084	88.9	0	5.0	Any	AS/NZS AS1163 : 2016	C350L0	Painted CLEAR 88.9 x 5.0
23037M10001	23037M10054							

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		
7849229	Australia-BSL	VTS		BSL	L	C37372	14.3	1.4	73	<0.5	2	1.8	4.5	0.3	5.8	3.3	<0.2	0.1	<0.3	<0.03	27	4											
7849239	Australia-BSL	VTS		BSL/632	L	C37367	15.6	1.3	72	0.5	1.6	1.9	4.2	0.3	6.3	3.3	<0.2	0.1	<0.3	<0.03	29	4	23-025/3-28615	A	445	499	26						

- 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) 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;
  - 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 CI 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.



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## Packs covered by this certificate

Heat	Pack Numbers
7849239	23035M10076 23035M10077 23035M10078 23035M10079 23035M10080 23035M10081 23035M10084 23037M10001 23037M10002 23037M10003 23037M10004 23037M10005 23037M10006 23037M10007 23037M10019 23037M10020 23037M10021 23037M10023 23037M10024 23037M10025 23037M10026 23037M10027 23037M10028 23037M10029 23037M10031 23037M10032 23037M10033 23037M10034 23037M10035 23037M10036 23037M10037 23037M10038 23037M10039 23037M10040 23037M10041 23037M10042 23037M10043 23037M10044 23037M10045 23037M10046 23037M10047 23037M10048 23037M10049 23037M10050 23037M10051 23037M10052 23037M10053 23037M10054
7849229	23037M10007 23037M10008 23037M10009 23037M10010 23037M10011 23037M10012 23037M10013 23037M10014 23037M10015 23037M10016 23037M10017 23037M10018 23037M10021 23037M10022 23037M10023

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**