



Distribution

Working in Partnership.

Precision Product Catalogue

**Square, Rectangular,
Round & Oval Tube**

September 2025

www.orrcon.com.au

About us.

WHY CHOOSE US?

Orrcon Steel Distribution is a leading Australian distributor of Steel, Pipe & Tube. Our network consists of over 30 distribution centres across Australia.

As a business of BlueScope, Orrcon Steel Distribution adheres to principles of quality, innovation, flexibility and dedication. These principles are achieved by going the extra mile in everything we do and working in partnership with our customers and suppliers.

Orrcon Steel Distribution - Working in Partnership.

OUR PRECISION STEEL RANGE

Precision Pipe and Tube

We offer a range of Precision Tube products, designed to be versatile in nature and used across a broad range of applications. Orrcon Steel Precision pipe and tube products are used in our communities in fencing, furniture, automotive parts, heat exchanger and agricultural applications, just to name a few.

AVAILABLE SURFACE FINISHES

GALVANISED/ ALUMINIUM COATED

Orrcon Steel offers a range of tube manufactured from zinc or Aluminium Coated strip.

Options include:

Mild Steel Galvabond (MSGB)

Tube rolled from hot dipped zinc coated strip, with zinc coating each side equivalent to Z275.

High Tensile Galvabond (HTGB)

High strength tube rolled from hot dipped zinc coated strip, with zinc coating each side equivalent to Z275.

Aluminium Coated Mild Steel (ACMS)

Tube rolled from hot dipped aluminium coated steel strip, with aluminium coating on both side.

Hot Rolled and Cold Rolled

Orrcon Steel offers a range of tube manufactured from hot rolled or cold rolled strip.

Options include:

Mild Steel Black (MSBL)

Tube rolled from hot rolled strip with a mill finish.

Semi Bright (SEMB)

Tube rolled from cold rolled strip with a suitable surface finish for paint or powder coating application.

Working in Partnership.

More than a tag line to our brand

It is a statement that says a lot about our business & the people that work in it. Being part of our culture, it reflects our relationship both internally & externally.

A majority of the coil supply comes from BlueScope. So when buying locally manufactured Orrcon Steel Pipe & Tube, you know you're buying quality Australian materials.

Orrcon Steel has a range of certifications and systems in place aimed to satisfy your compliance requirements. We can confidently supply traceability through to the mill rolling.

We distribute structural pipe, SHS, CHS, RHS and Precision Tube. Orrcon Steel's quality management system is certified to ISO9001 and test facilities are NATA certified to ISO/IEC 17025. This is your assurance that Orrcon Steel Distribution products meet the highest standards.

You can be sure of the quality of Australian made Orrcon Steel Distribution steel, knowing that it complies with Australian standards.

OUR NETWORK

QLD

Orrcon Steel Distribution, **CAIRNS** (Portsmith)
75 Aumuller St, QLD 4870
P: 07 4035 5155 | E: sales Cairns@orrcon.com.au

Orrcon Steel Distribution, **NORTHGATE**

920 Nudgee Rd, QLD 4013
P: 07 3873 9233 | E: sales qld@orrcon.com.au

BlueScope Distribution, **BRISBANE** (Trade Coast)

20 Fairbairn Place, QLD 4009
P: 07 3837 9654 | E:

BlueScope Distribution, **GLADSTONE**

4 Neil St, QLD 4680
P: 07 4883 6701 | E: gladstone.sales@bluescope.com

BlueScope Distribution, **MT ISA**

Cnr Davis & Richardson Rd, QLD 4825
P: 07 4437 4600 | E: bsdmmtisa@bluescopesteel.com

BlueScope Distribution, **Townsville** (Bohle)

12 Forge Crt, QLD 4818
P: 07 4729 3100 | E:

Metalcorp, **BUNDABERG**

21 Charlie Triggs Crescent, QLD 4670
P: 07 4131 4200 | E: salesbundy@metalcorp.com.au

Metalcorp, **CHARTERS TOWERS**

4-10 Hugh Quinn Crescent, QLD 4820
P: 07 4761 5000 | E: salesct@metalcorp.com.au

Metalcorp, **NORTHGATE**

Gate 1 - 920 Nudgee Rd, QLD 4013
P: 07 3873 9234 | E: salesngate@metalcorp.com.au

Metalcorp, **TOOWOOMBA**

340-360 Anzac Av, QLD 4350
P: 07 4614 2000 | E: salestwb@metalcorp.com.au

NSW

Orrcon Steel Distribution, **MARSDEN PARK**

145 Hollinsworth Rd, NSW 2765
P: 02 8856 6700 | E: salesnsw@orrcon.com.au

BlueScope Distribution, **ALBURY**

20 Fallon St, NSW 2641
P: 02 6022 4903 | E: bluescopeorders@bluescopesteel.com

BlueScope Distribution, **NEWCASTLE** (Tomago)

21 Martin Dr, NSW 2322
P: 02 4004 6203 | E:

BlueScope Distribution, **SYDNEY** (South Granville)

1/13 Fernndell St, NSW 2142
P: 02 8572 2373 | E:

Metalcorp, **DUBBO**

2 Jannali Rd, NSW 2830
P: 02 6841 2155 | E: salesdubbo@metalcorp.com.au

Metalcorp, **TAMWORTH** (Taminda)

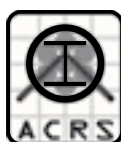
32 Hume St, NSW 2340
P: 02 6767 3200 | E: salestamworth@metalcorp.com.au

For your nearest stockist

Call: 1300 677 266

Email: info@orrcon.com.au

Website: www.orrcon.com.au



SA

Orrcon Steel Distribution, **GILLMAN**

123-131 Bedford St, SA 5013
P: 08 8245 5900 | E: salessa@orrcon.com.au

BlueScope Distribution, **ADELAIDE** (Gillman)

123-131 Bedford St, SA 5013
P: 08 8218 4595 | E:

Metalcorp, **OTTOWAY**

285 Grand Junction Rd, SA 5013
P: 08 8245 3777 | E: salesottoway@metalcorp.com.au

VIC

Orrcon Steel Distribution, **WESTALL** (Clayton South)

Gate 1, 16-24 Westall Rd, VIC 3169
P: 03 9253 9686 | E: salesvic@orrcon.com.au

BlueScope Distribution, **BALLARAT**

843-845 Creswick Rd, VIC 3350
P: 03 5322 5701 | E: ballarat.sales@bluescopesteel.com

BlueScope Distribution, **MELBOURNE** (Clayton South)

Gate 1, 16-24 Westall Rd, VIC 3169
P: 13 72 82 | E: saleswestall@bluescope.com

BlueScope Distribution, **PORTLAND**

24 Portland - Nelson Rd, VIC 3305
P: 03 5522 3800 | E: portland.sales@bluescopesteel.com

Metalcorp, **BENDIGO** (Kangaroo Flat)

15-35 Fairview Rd, VIC 3555
P: 03 5448 3811 | E: salesbendigo@metalcorp.com.au

Metalcorp, **DANDENONG** (Dandenong South)

503 Hammond Rd, VIC 3175
P: 03 9212 1203 | E: salesdandenong@metalcorp.com.au

Metalcorp, **GEELONG** (Norlane)

Factory 22, 455 Melbourne Rd, VIC 3215
P: 03 5247 4100 | E: salesgeelong@metalcorp.com.au

Metalcorp, **MORWELL**

5 Kirwin Rd, VIC 3840
P: 03 5134 6266 | E: salesmorwell@metalcorp.com.au

WA

Orrcon Steel Distribution, **ALBANY**

62 Chester Pass Rd, WA 6330
P: 08 9841 9700 | E: salesalbany@orrcon.com.au

Orrcon Steel Distribution, **KEWDALE**

9 Bradford St, WA 6105
P: 08 9208 1000 | E: saleswa@orrcon.com.au

BlueScope Distribution, **PERTH** (Bibra Lake)

1/6 Wellard St, WA 6163
P: 08 6436 1393 | E:

Metalcorp, **KEWDALE**

9 Bradford St, WA 6105
P: 08 9208 1018 | E: saleskewdale@metalcorp.com.au

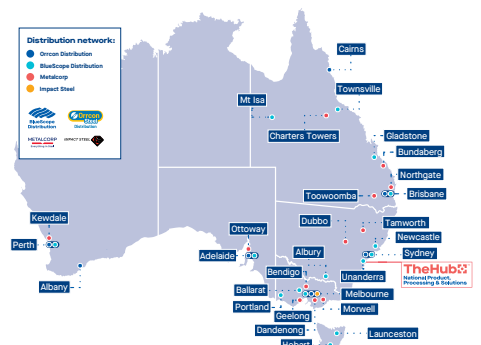
TAS

BlueScope Distribution, **HOBART** (Morningside)

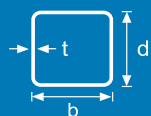
68 Morningside Rd, TAS 7018
P: 03 6235 2856 | E: hobartsales@bluescopesteel.com

BlueScope Distribution, **LAUNCESTON**

Lot 5, Murphy St, TAS 7250
P: 03 6324 1001 | E: BSDLaunceston@bluescopesteel.com



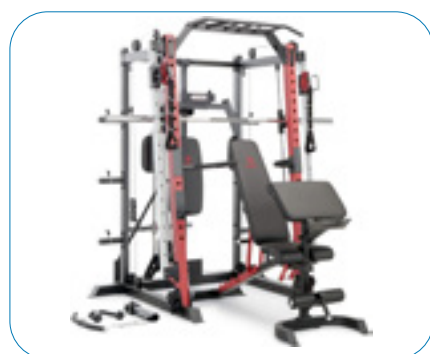
PRECISION SQUARE TUBE



Section: Square Tube
Standard: AS 1450*
Surface Finish: SEMB / MSGB / MSBL**

PRECISION

Size dxb (mm)	Gauge (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Lengths Per Pack
		SEMB	MSGB	MSBL		
6100mm, 6500mm, 7320mm & 8000mm Lengths Standard						
12.7 x 12.7	1.2	●	✓	—	0.404	400
	1.6	✓	—	—	0.506	400
16 x 16	0.9	—	✓	—	0.410	256
	1.0	—	✓	—	0.451	256
	1.2	—	✓	—	0.529	256
	1.6	✓	—	—	0.672	256
19 x 19	0.9	—	✓	—	0.495	169
	1.2	✓	●	—	0.642	169
	1.4	✓	—	—	0.734	169
	1.6	✓	✓	✓	0.822	169
	2.0	✓	●	—	0.987	169
	2.5	—	●	✓	1.169	169
20 x 20	1.2	●	✓	—	0.679	144
	1.6	✓	✓	—	0.873	144
22.2 x 22.2	0.9	✓	✓	—	0.586	121
	1.2	✓	✓	—	0.762	121
	1.4	✓	—	—	0.875	121
	1.6	✓	✓	—	0.983	121
25.4 x 25.4	1.2	✓	✓	—	0.883	100
	1.4	✓	—	—	1.015	100
	1.5	—	✓	—	1.080	100
	1.6	*	✓	✓	1.144	100
	2.0	●	●	✓	1.389	100
	2.5	—	—	✓	1.671	100
25 x 25	1.2	✓	●	—	0.868	100
	1.4	✓	—	—	0.998	100
	1.6	✓	✓	●	1.124	100
30 x 30	1.2	✓	✓	—	1.056	64
	1.5	—	✓	—	1.297	64
	1.6	●	✓	●	1.375	64
31.8 x 31.8	1.2	✓	✓	—	1.124	64
	1.6	●	✓	✓	1.465	64
	2.0	●	●	✓	1.791	64
	2.5	—	●	✓	2.174	64
35 x 35	1.2	✓	✓	—	1.244	49
	1.5	—	✓	—	1.532	49
	1.6	●	●	✓	1.626	49
	2.0	●	●	✓	1.992	49
38 x 38	1.6	✓	✓	✓	1.777	49
	2.0	●	●	✓	2.180	49
	2.5	—	●	✓	2.660	49
40 x 40	1.2	—	✓	—	1.433	32
	1.5	—	✓	—	1.768	32
	1.6	—	✓	✓	1.877	32
	2.0	—	✓	*	2.306	32
	2.5	—	*	✓	2.817	32
45 x 45	1.6	●	✓	✓	2.129	36
	2.5	—	●	✓	3.210	36
50 x 50	1.2	●	✓	—	1.810	25
	1.5	—	✓	—	2.239	25
	1.6	✓	✓	●	2.380	25
	2.0	●	✓	✓	2.934	25
	2.5	—	*	✓	3.602	25
	3.0	—	—	✓	4.245	25
60 x 60	1.6	✓	✓	—	2.882	12
65 x 65	1.5	—	✓	—	2.945	16
	1.6	●	✓	●	3.133	16
	2.0	●	●	✓	3.876	16
	2.5	—	✓	*	4.780	16



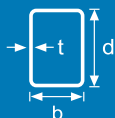
NOTE:

- » • Stock available subject to enquiry.
- » Custom lengths available subject to enquiry.
- » Other coatings available include - HTGB, HRGB, HRGB, HRPO, GALVANIZED**. These sections may not be available in these coatings. Please contact Orrcon Steel for availability.
- » The products listed are indicative of the range however you need to check with your local Orrcon Steel representative for availability & minimum order quantities (MOQs).

* Mechanical Properties - refer to section 1.5.9 - Standards - Precision Tube.

** Refer to Glossary of Terms

PRECISION RECTANGULAR TUBE



Section: Rectangular Tube
Standard: AS 1450*
Surface Finish: SEMB / MSGB / MSBL**

PRECISION

Size dxb (mm)	Gauge (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Lengths Per Pack
		SEMB	MSGB	MSBL		
6100mm, 6500mm, 7320mm & 8000mm Lengths Standard						
12 x 9	1.2	✓	●	—	0.395	560
25.4 x 12.7	0.9	—	✓	—	0.497	200
	1.0	—	✓	—	0.547	200
	1.2	✓	●	—	0.643	200
	1.6	●	✓	●	0.825	200
30 x 15	0.9	—	✓	—	0.594	128
31.8 x 12.7	1.6	✓	●	●	0.986	160
35 x 19	1.0	—	✓	✓	0.796	96
	1.2	✓	●	—	0.943	96
	1.6	✓	✓	✓	1.224	96
	2.0	●	●	✓	1.489	96
38 x 25.4	1.2	●	✓	—	1.120	70
	1.5	—	✓	—	1.377	70
	1.6	●	✓	✓	1.460	70
50 x 10	0.9	—	✓	—	0.806	85
	1.2	✓	●	—	1.056	85
	1.6	✓	●	●	1.375	85
50 x 20	1.6	✓	●	●	1.626	60
	2.0	●	●	✓	1.992	60
50 x 25	0.9	—	✓	—	1.018	50
	1.2	●	✓	—	1.339	50
	1.6	✓	✓	●	1.752	50
	2.0	*	●	✓	2.149	50
	2.5	—	●	✓	2.621	50
50 x 40	1.6	✓	●	●	2.129	30
51 x 31.8	1.6	✓	●	●	1.948	40
	2.0	✓	●	●	2.393	40
57 x 35	1.6	●	✓	✓	2.179	28
	2.0	●	●	✓	2.682	28
	2.5	—	●	✓	3.288	28
60 x 30	2.5	—	●	✓	3.210	32
60 x 40	1.6	✓	●	●	2.380	24
	3.0	—	—	✓	4.245	24
63.5 x 38	1.6	●	✓	●	2.418	28
	2.0	●	●	✓	2.981	28
67 x 29	2.0	✓	●	—	2.808	36
70 x 34	2.3	✓	—	—	3.482	28
70 x 50	1.2	●	✓	—	2.186	20
75 x 25	2.0	●	●	✓	2.934	30
76 x 38	1.2	●	✓	—	2.073	18
	1.6	●	✓	●	2.732	18
	2.0	●	✓	●	3.373	18
80 x 40	1.6	●	✓	✓	2.882	18
	2.5	—	●	✓	4.387	18
90 x 40	2.5	—	●	✓	4.780	18

NOTE:

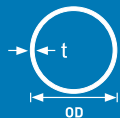
- » • Stock available subject to enquiry.
- » Custom lengths available subject to enquiry.
- » Other coatings available include - HTGB, HRSB, HRGB, HRPO, GALVANIZED**. These sections may not be available in these coatings. Please contact Orrcon Steel for availability.
- » The products listed are indicative of the range however you need to check with your local Orrcon Steel representative for availability & minimum order quantities (MOQ's).

*Mechanical properties - refer to section 1.5.9 - Standards - Precision Tube.

** Refer to Glossary of Terms



PRECISION ROUND TUBE



Section: Round Tube

Standard: AS 1450*

Surface Finish: SEMB / MSGB / MSBR / MSBL / ACMS**

PRECISION

Size OD	Gauge (mm)	Surface Finish					Nom. Linear Mass (Kg/m)	Lengths Per Pack
		SEMB	MSGB	MSBR	MSBL	ACMS		
6100mm, 6500mm, 7320mm & 8000mm Lengths Standard								
12.7	0.9	—	✓	✓	—	—	0.262	270
	1.2	✓	•	—	—	—	0.340	270
	1.6	✓	•	—	•	—	0.438	270
16.0	0.9	—	—	✓	—	—	0.335	217
	1.2	✓	✓	—	—	—	0.438	217
	1.6	✓	✓	—	•	—	0.568	217
	2.0	✓	•	—	—	—	0.691	217
19.0	0.9	—	✓	✓	—	—	0.402	169
	1.2	✓	✓	—	—	✓	0.527	169
	1.4	✓	—	—	—	—	0.608	169
	1.6	✓	✓	—	✓	—	0.687	169
	2.0	✓	•	—	✓	—	0.838	169
	2.5	—	✓	—	•	—	1.017	169
22.2	0.9	✓	✓	—	—	—	0.473	127
	1.2	✓	•	—	—	—	0.621	127
	1.4	✓	—	—	—	—	0.718	127
	1.6	✓	•	—	•	—	0.813	127
25.4	0.9	—	✓	—	—	—	0.544	91
	1.0	—	✓	—	—	—	0.601	91
	1.2	✓	•	✓	—	—	0.716	91
	1.4	✓	—	—	—	—	0.829	91
	1.6	✓	✓	—	✓	—	0.939	91
	2.0	✓	✓	—	✓	—	1.154	91
28.6	1.2	✓	✓	—	—	—	0.811	61
	1.6	✓	✓	—	•	—	1.065	61
31.8	1.2	✓	•	—	—	—	0.906	61
	1.6	✓	✓	—	✓	✓	1.192	61
	2.0	✓	•	—	✓	—	1.470	61
35.0	1.2	✓	✓	—	—	✓	1.000	61
	1.6	✓	•	—	—	—	1.318	61
38.0	1.2	•	✓	—	•	✓	1.089	61
	1.6	✓	✓	—	✓	—	1.436	37
	2.0	✓	•	—	✓	—	1.776	37
	2.5	—	•	—	✓	—	2.189	37
	3.0	—	—	—	✓	—	2.589	37
41.3	1.2	✓	✓	—	—	—	1.187	37
	1.6	✓	✓	—	•	✓	1.566	37
44.5	1.2	✓	✓	—	—	✓	1.281	68
	1.6	✓	✓	—	•	✓	1.693	68
	2.0	•	•	—	✓	—	2.097	37
	2.5	—	•	—	✓	—	2.589	37
47.6	1.2	✓	•	—	—	—	1.373	37
	1.6	✓	•	—	•	—	1.815	19
	2.0	✓	•	—	•	—	2.249	19
51.0	1.2	✓	✓	—	—	•	1.474	19
	1.4	✓	—	—	—	—	1.712	53
	1.6	✓	✓	—	✓	•	1.949	19
	2.0	✓	✓	—	•	—	2.417	19
	2.5	—	✓	—	✓	—	2.990	19
54.0	1.2	•	✓	—	—	—	1.562	19
	1.6	✓	•	—	•	—	2.068	19
57.0	1.2	✓	✓	—	—	•	1.651	19
	1.6	✓	✓	—	•	•	2.186	19
	2.0	✓	•	—	✓	—	2.713	19
60.3	1.6	•	✓	—	•	—	2.316	19
63.5	1.6	✓	•	—	•	•	2.442	19
	2.0	✓	•	—	✓	—	3.033	19
70.0	1.6	✓	•	—	•	—	2.698	19
	2.0	✓	•	—	•	—	3.354	7
76.2	1.6	✓	•	—	•	—	2.944	19
	2.0	—	•	—	•	—	3.660	19
85.0	1.6	•	•	—	•	—	3.290	7
90.0	1.6	✓	•	—	•	—	3.488	7
101.6	1.6	✓	•	—	•	—	3.950	7



NOTE:

- » Stock available subject to enquiry.
- » Custom lengths available subject to enquiry.
- » Other coatings available include - HTGB, HRGB, HRGP, GALVANIZED**. These sections may not be available in these coatings. Please contact Orrcon Steel for availability.
- » The products listed are indicative of the range however you need to check with your local Orrcon Steel representative for availability & minimum order quantities (MOQ's).

* Mechanical properties - refer to section 1.5.9 - Standards - Precision Tube.

** Refer to Glossary of Terms

PRECISION OVAL TUBE

FS

b

d

t

OV

b

d

Section: Oval Tube

Standard: AS 1450*

Surface Finish: SEMB / MSGB / MSBR**

PRECISION

Size dxb (mm)	Flat / Oval Side	Gauge (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Lengths Per Pack
			SEMB	MSGB	MSBR		
6100mm, 6500mm, 7320mm & 8000mm Lengths Standard							
30 x 15	OV	2.0	✓	●	—	1.152	128
31.8 x 16	FS	1.2	●	●	✓	0.740	128
	FS	1.6	●	●	✓	0.998	128
31.8 x 17.5	OV	1.6	✓	●	—	0.940	96
	OV	2.0	✓	●	—	1.196	120
35 x 15	OV	2.0	✓	●	—	1.312	128
37.7 x 20.7	FS	1.6	✓	●	—	1.237	84
51 x 16	FS	1.2	✓	●	—	1.114	80
	FS	1.6	✓	●	—	1.476	80
61.8 x 29.6	OV	1.6	●	✓	—	1.858	48
75 x 16	FS	1.0	—	✓	—	1.334	48

NOTE:

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PRECISION SPECIAL SHAPES

d

SS

t

Section: Special Shapes

Standard: AS 1450*

Surface Finish: SEMB / MSGB**

PRECISION

Size dxb (mm)	Gauge (mm)	Surface Finish		Nom. Linear Mass (Kg/m)	Lengths Per Pack
		SEMB	MSGB		
6100mm, 6500mm, 7320mm & 8000mm Lengths Standard					
50.8 H/RAIL	1.6	*	✓	1.941	30
50 x 50 30-25	1.6	*	✓	2.470	25
	2.0	✓	*	2.907	25
50 x 50 x 68.6	1.6	✓	*	2.006	25

NOTE:

- » • Stock available subject to enquiry.
- » Custom lengths available subject to enquiry.
- » Other coatings available include - HTGB, HRSB, HRGB, HRPQ, GALVANIZED**. These sections may not be available in these coatings. Please contact Orrcon Steel for availability.
- » The products listed are indicative of the range however you need to check with your local Orrcon Steel representative for availability & minimum order quantities (MOQ's).

*Mechanical properties - refer to section 1.5.9 - Standards - Precision Tube.
** Refer to Glossary of Terms



MECSPEC-GAL® TUBE & PIPE INFORMATION

CHOOSE ORRCON STEEL'S MECSPEC-GAL® FOR A DURABLE STEEL COMMERCIAL PIPE SOLUTION

Orrcon Steel's MECSPEC-GAL® presents a high quality galvanized steel coating. Shorter production lead times are achieved because manufacturing is at our South Australian Precision Manufacturing Mill using BlueScope steel.

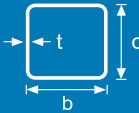
MECSPEC-GAL® Pipe offers a viable and competitive alternative to hot dipped galvanized pipe.

PRODUCT BENEFITS

Finished pipe properties achieve 350 MPa yield strength for Extra Light and Light, 250MPa yield strength for Medium.

- » MECSPEC-GAL® tube and pipe provide guaranteed ductility for mechanical manipulation and end use.
- » Orrcon Steel's MECSPEC-GAL® Pipe sizes are available locally from ex-stock.
- » High quality steel and tube-making to meet the demand of applications requiring both strength and ductility.
- » *AS 4792 ZB135 / 135 coating class providing excellent durability for general purpose applications.
- » Guaranteed coating adhesion during bending, flaring or flattening.
- » Good paint and powder coat performance because of MECSPEC-GAL® Pipe consistent surface finish.
- » Painted ends to indicate gauge thickness.
- » The BlueScope coil used in Orrcon Steel's MECSPEC-GAL® tube and pipe is hot dipped zinc coated to AS 1397 with a spangled surface finish. The combined coating thickness of both sides is 275g/m².

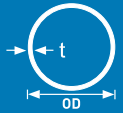
MECSPEC-GAL® TUBE (SHS)

 Section: MECSPEC-GAL® Tube Standard: AS1450 Grade: C350 Surface Finish: AS/NZS 4792 ZB135/135 Zinc Coating 				
Size dxb (mm)	Gauge (mm)	Surface Finish GAL	Nom. Linear Mass (Kg/m)	Lengths Per Pack
6500mm & 8000mm Lengths Standard*				
20 x 20	1.6	✓	0.87	100
	2.0	✓	1.05	100
	2.5	✓	1.64	100
25 x 25	1.6	✓	1.12	100
	2.0	✓	1.36	100
	2.5	✓	1.64	100
30 x 30	1.6	✓	1.38	100
	2.0	✓	1.68	100
	2.5	✓	2.03	100
35 x 35	1.6	✓	1.63	100
	2.0	✓	1.99	100
	2.5	✓	2.42	64
40 x 40	1.6	✓	1.88	81
	2.0	✓	2.31	81
	2.5	✓	2.82	64

NOTE:

- » *20 x 20 x 1.6mm up to 25 x 25 x 2.5mm are 6500mm and 30 x 30 x 1.6mm up to 40 x 40 x 2.5mm are 8000mm.
- » MOQ and extra apply for non-standard length.
- » Standard pack configuration only.

MECSPEC-GAL® PIPE (CHS)

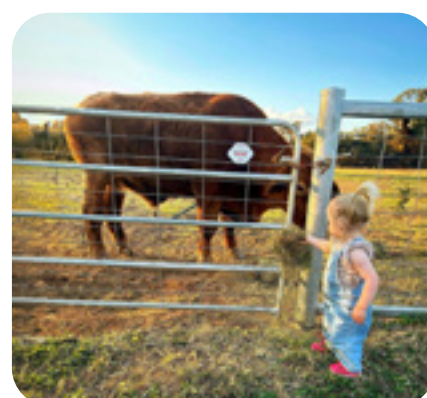
 Section: MECSPEC-GAL® Pipe Standard: AS1450 Grade: C250, C350 Surface Finish: AS1397 ZB135/135 Zinc Coating 						
NB (mm)	OD (mm)	Nominal Thickness (mm)	Designation	Surface Finish GAL	Nom. Linear Mass (Kg/m)	Lengths Per Pack
6500mm & 7200mm Lengths Standard						
20	26.9	2.0	XLIGHT	✓	1.23	91
	26.9	2.3	Light	✓	1.40	91
	26.9	2.6	Medium	✓	1.56	91
25	33.7	2.0	XLIGHT	✓	1.56	91
	33.7	2.6	Light	✓	1.99	91
32	42.4	2.0	XLIGHT	✓	1.99	61
	42.4	2.6	Light	✓	2.55	61
40	48.3	2.3	XLIGHT	✓	2.61	61
	48.3	2.9	Light	✓	3.25	61
50	60.3	2.3	XLIGHT	✓	3.29	37
	60.3	2.6	Light	✓	4.11	37
65	76.1	2.3	XLIGHT	✓	4.19	37
	76.1	2.6	Light	✓	5.75	37

NOTE:

- » MOQ and extra apply for non-standard length.
- » 50NB and 65NB Light are subject to enquiry.
- » Standard pack configuration only.
- » Finished tube properties achieve 350 MPa yield strength for Extra Light and Light, 250 MPa yield strength for Medium.

NOTE:

*Suitability is determined by the application of the product, the environment and the size and specifications of the pipe and tube. The BlueScope brand mark is a registered trade mark of BlueScope Steel Limited. MECSPEC-GAL® is a registered trade mark of Orrcon Manufacturing Pty Ltd. © 2018 BlueScope Distribution Pty Ltd ABN 88 096 380 068 trading as Orrcon Steel. For MECSPEC-GAL® Pipe's availability please contact your Orrcon Steel representative. Please note that not all products are available in all regions.



PRECISION STANDARDS & TOLERANCES

Standards - Precision Tube

Orrcon Steel precision tube products are manufactured by cold forming and electric resistance welding and are tested to meet the following Australian Standards:

MECHANICAL

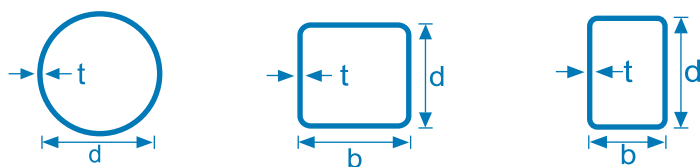
Hollow sections used for mechanical purposes are manufactured to generally meet:

» AS 1450 - Steel Tubes for Mechanical Purposes (Grades C200 & C250 ERW).

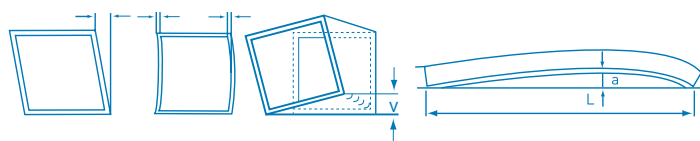
Standard Mechanical Properties - Precision Tube

Standard	Surface Finish	D/T Ratio	Yield Strength MPa (min)	Tensile Strength MPa (min)	Elong on 5.65 S ₀ % (min)
AS1450	Commercial Quality & Aluminium Coated	<15	300	310	15
		15 to 25	275	300	20
		<25 to 35	250	290	25
		< 35	200	280	30
	Zinc Coated	—	300	350	15

D = Outside diameter or equivalent round | t = nominal wall thickness | S₀ = Cross Sectional Area



AS1450		Dimensional Tolerances	
Characteristic		Round	Rectangular & Square
Dimension [d, b, d _o]	≤25mm	±0.15mm	±0.5mm
	>25 and ≤50	±0.20mm	
	>50 and ≤75	±0.30mm	±1%
	>75 and ≤100	±0.40mm	
		Rounds, Rectangular & Square	
Mass		±10%	



AS1450		Shape Tolerances
Characteristic		All Sections
Corner Radius		Max 3t
Twist (v)		< 2mm + 0.5mm/m Lengths
Squareness		90 ± 1°
Straightness (a)		Shall not exceed: Mill Lengths(mm) / 600

PRECISION SURFACE FINISHES & SERVICES COMMERCIAL QUALITY ERW STEEL TUBING

Standard tubing is manufactured from a range of steel strip types including cold rolled and hot rolled pickled and oiled. The strip has a matt finish, and after being polished in the tube rolling process the resulting surface finish is suitable in many applications.

Tubing is coated with a non-tacky rust preventative that is designed to withstand corrosion for at least three months when stored in normal, dry warehouse conditions. The tube can be welded without removal of the rust preventative.

Precision

Hollow sections to be used for precision purposes are manufactured to meet:
- AS/NZS 1450 - Steel tubes for mechanical purposes (Standard Grade C250, other grades may be available however you need to check with your local to your Orrcon Representative for availability and minimum order quantities (MOQ's))

SURFACE FINISHES - PRECISION TUBE

RUST PROTECTION

Rust preventative oil should be re-applied periodically where prolonged storage is required.

MSGB, HTGB, ACMS, ZINC AND ALUMINIUM COATED ERW STEEL TUBING

Tubing is manufactured from a range of zinc and aluminium coated steel strip types which are coated on both sides. The welded seam of the tube is re-coated with a zinc and aluminium alloy to replace the material that the welding process has burnt away. Zinc coated tube is coated with a protective agent designed to withstand white rust when stored in normal, dry conditions. Aluminium coated tube is supplied without this protective agent.

The performance of zinc coated steel is influenced by micro-environments, which vary from site to site. In corrosive environments it is recommended that a suitable barrier coating (eg. paint or powder coating) be applied over the zinc surface. This application should be in accordance with the paint supplier's recommendations with regard to surface pre-treatment, application, curing, and maintenance of the coating - refer to AS 2312.1 'Guide to the Protection of Structural Steel against Corrosion by the use of Protective Coatings - Paint Coatings'.

MSBR - MILD STEEL BRIGHT

Finish - Has a bright finish and is typically used in the manufacture of products that require a higher grade surface finish such as electroplating or similar critical finish applications.

SEMB - SEMI BRIGHT

Finish - Typically has a steel grey appearance and suitable surface for general applications. Ideal where demanding and consistent properties are required.

HRSB - HOT ROLLED SEMI BRIGHT

Finish - Typically has a steel grey appearance and suitable surface for general applications. Ideal for paint or powder coated products.

MSBL - MILD STEEL BLACK

Finish - Has a black, mill finish.

SPECIAL REQUIREMENTS & NON STANDARD PRODUCTS

If you have special requirements which are not in our standard range of Commercial Quality, zinc coated or aluminium coated products, Orrcon Steel is happy to assist. Some of the services we offer include different mill lengths, other section sizes, different grades, chemical composition, and mechanical properties, exact cut Lengths, restricted tolerances, other surface finishes and coating thickness as well as perforating. Minimum order quantities (MOQ's) may apply.

Flare Test

Commercial Quality & Zinc Coated

Outside diameter increase min of 25% over 60° cone without failure of parent metal or the weld.

ACMS Coated

Outside diameter increase min of 35% over 60° cone without failure of parent metal or the weld.

Flattening Test

Circular tube only - capable of being flattened without cracking between two parallel plane surfaces. This is with the weld located at 0° and 90° to the direction of flattening until the distance between surfaces is 0.5D.

Bulging Test

For circular aluminium coated tube only - capable of being expanded over a segmented mandrel or a parallel punch to increase the outside diameter by 20% without failure of parent metal or the weld.

Certificates

- Certificates of compliance are available free of charge.
- When full test certificates are required it must be specified at the time of ordering. A charge is made for this service.

STANDARD MANUFACTURING TOLERANCES

Thickness: t ≤ 1.6 = ±0.15mm

Corner Radius: r max 2t

t > 1.6 and ≤ 2.0 = ±0.20mm

Length - Some distortion will occur on ends of mill lengths. Unless otherwise specified, the supplied mill length will contain the nominal length on undistorted material.

Circular Tube

O.D. (mm) d	Max. Permissible Variation in O.D. (mm) d
< 25	± 0.15
> 25 and ≤ 50	± 0.20
> 50 and ≤ 75	± 0.25
> 70	± 0.35

Rectangular, Square and other Sections

Dimension (mm) b, d ₁	Max. Permissible Variation in Dimensions (mm) b, d ₁
< 25	± 0.15
> 25 and ≤ 50	± 0.20
> 50 and ≤ 75	± 0.25
> 70	± 0.35



SCAN TO
VIEW OUR
PRECISION
RANGE

Orrcon Steel Distribution Precision Product Catalogue - Version 6 Printed September 2025.

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