



Orrcon Steel is a leading Australian distributor and manufacturer of Steel, Tube and Pipe.

We have distribution centres in six Australian states and a number of Orrcon Steel / Metalcorp branches, stockists and resellers nation-wide.

As a business of BlueScope, Orrcon Steel 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.

At Orrcon Steel - we'll see it through.

OUR STEEL RANGE

Structural Tubular Steel

Orrcon Steel offers a wide range of Electric Resistance Welding (ERW) Carbon Steel Structural Tubulars.

Our Structural Tubular Products are a significant part of our production and are used across a wide range of structural applications from building structures to major sporting arenas, major mining and industry infrastructure, and for aesthetic structural use such as airports and shipping terminals.

METALCORP

Everything in Steel

Metalcorp is an Australian steel distribution business that is into everything in steel.

Our extensive product range includes livestock handling equipment, building materials, structural and tubular steel, fencing, roofing, aluminium and more.

We pride ourselves on delivering the highest levels of customer service and quality products. We have huge stock holdings and our products can be cut to length and delivered to your site.

Our commitment is to supply competitively priced products, to operate in a safe environment and to deliver outstanding customer service. The successful outcomes of this commitment have enabled Metalcorp to become a leading metals distribution business.

Metalcorp operates across Australia with branches and stockists in New South Wales, Queensland, Victoria, South Australia and Western Australia.

At Metalcorp, we're your rural brand for the land.

Precision Tube

Orrcon Steel manufactures precision tube at its precision tubing mill in Adelaide. This mill produces square, rectangular, round and oval tube and can also manufacture special shapes subject to enquiry. Orrcon Steel precision tube products are used across a variety of applications including fencing, furniture, automotive, heat exchange and agriculture.

Hot Rolled Structural Steel

Orrcon Steel offers a range of hot rolled structural products, including beams, columns, channels, angles and merchant bar (including flats, angles & rounds) as well as a broad range of plate from 3mm up to 200mm.

Additional Products

- Fencing Products – fence pickets, post caps, wire (barbed, chain and hinged) and punched rail.
- Building Products – roofing, purlins, guttering and welding etc.
- Reinforcing Products – mesh and deformed bar.
- Hot Dip Galvanized Pipe – plain, threaded, shouldered and grooved ends.
- Sprinkler & Hydrant Fire Pipe – ActivFire® scheme approved.
- Galvanized Profiles - angles and channels.

For further information, visit orrconsteel.com.au

OUR PRODUCT RANGE

Livestock Handling Equipment – Metalcorp has a wide range of cattle, horse and sheep handling equipment and is rapidly moving to be the No. 1 provider of quality livestock handling equipment in Australia.

RHS Steel, Pipe & Tube – Our tubular products are sourced direct from Orrcon Steel – A leading manufacturer of Australian made steel, tube and pipe.

Merchant Bar – Metalcorp provides a comprehensive range of merchant bar products, including angle, flat, square and round bar.

Steel Plate, Sheet, Coil & Structural Steel – Metalcorp offers applications ranging from light gauge material fabrication through to heavy plate and feed coil applications.

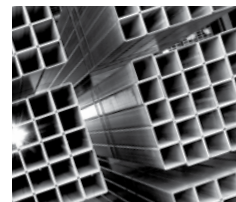
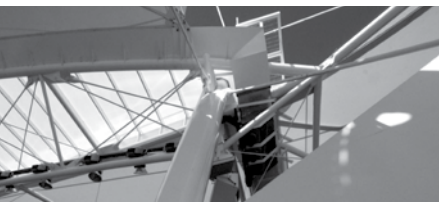
Building Materials – Construction is one of the most important steel-using sectors and we have access to a wide range of building materials –either in stock or we can facilitate a made-to-order solution delivered to site.

Rural & Residential Fencing – We provide quality fencing for rural and residential needs that are economical and easy to install.

Contact one of our customer service advisors on 1300 306 204 for friendly, personal advice on your steel needs.

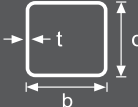
For latest version please refer to the website www.orrconsteel.com.au



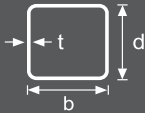


Structural Tube & Pipe

1.1.1 SQUARE HOLLOW SECTIONS (SHS)

 Section: Square (SHS) Standard: AS/NZS 1163 Grade: C350L0 Surface Finish: PTD / ALLGAL® / ULTRA-SPEC GAL® / OILED / NOPC*									
Size dxb (mm)	Nom. Thick (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Nom Mtre Tonne	Lengths / Pack 6500mm	Lengths / Pack 8000mm	Lengths / Pack 12000mm
		PTD	ALLGAL	ULTRA-SPEC GAL					
6500mm Lengths Standard									
20 x 20	1.6	✓	✓	✓	0.87	1146	100	-	-
25 x 25	1.6	✓	✓	✓	1.12	890	100	-	-
	2.0	✓	✓	✓	1.36	733	100	-	-
	2.5	✓	✓	✓	1.64	610	100	-	-
	3.0	✓	✓	✓	1.89	529	100	-	-
8000mm Lengths Standard									
30 x 30	1.6	✓	✓	✓	1.38	727	-	100	-
	2.0	✓	✓	✓	1.68	596	-	100	-
	2.5	✓	✓	✓	2.03	492	-	100	-
	3.0	✓	✓	✓	2.36	423	-	64	-
31.8 x 31.8	1.6	✓	✓	✓	1.465	683	-	81	-
	2.0	✓	✓	✓	1.791	558	-	81	-
	2.5	✓	✓	✓	2.174	460	-	64	-
	3.0	✓	✓	✓	2.531	395	-	64	-
35 x 35	1.6	✓	✓	✓	1.63	615	-	100	-
	2.0	✓	✓	✓	1.99	502	-	100	-
	2.5	✓	✓	✓	2.42	412	-	64	-
	3.0	✓	✓	✓	2.83	353	-	64	-
40 x 40	1.6	✓	✓	✓	1.88	533	-	81	-
	2.0	✓	✓	✓	2.31	434	-	81	-
	2.5	✓	✓	✓	2.82	355	-	64	-
	3.0	✓	✓	✓	3.30	303	-	64	-
	4.0	✓	✓	—	4.09	244	-	49	-
50 x 50	1.6	✓	✓	✓	2.38	420	-	64	-
	2.0	✓	✓	✓	2.93	341	-	64	-
	2.5	✓	✓	✓	3.60	278	-	49	-
	3.0	✓	✓	✓	4.25	236	-	49	-
	4.0	✓	✓	—	5.35	187	-	36	-
	5.0	✓	✓	—	6.39	156	-	30	-
51 x 51	6.0	✓	✓	—	7.32	137	-	25	-
	4.0	✓	✓	—	5.47	183	-	36	-
	5.0	✓	✓	—	6.55	153	-	30	-
8000mm & 12000mm Lengths Standard									
65 x 65	1.6	✓	✓	✓	3.13	319	-	49	49
	2.0	✓	✓	✓	3.88	258	-	42	42
	2.5	✓	✓	✓	4.78	209	-	42	42
	3.0	✓	✓	✓	5.66	177	-	36	36
	4.0	✓	✓	—	7.23	138	-	30	30
	5.0	✓	✓	—	8.75	114	-	25	25
	6.0	✓	✓	—	10.15	99	-	20	20

1.1.1 SQUARE HOLLOW SECTIONS (SHS) CONT...



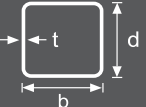
Section: Square (SHS)
Standard: AS/NZS 1163
Grade: C350L0
Surface Finish: PTD / ALLGAL® / ULTRA-SPEC GAL® / OILED / NOPC*

Size dxb (mm)	Nom. Thick (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Nom. Mtre/ Tonne	Lengths / Pack 8000mm	Lengths / Pack 12000mm
		PTD	ALLGAL	ULTRA-SPEC GAL				
8000mm & 12000mm Lengths Standard								
75 x 75	1.6	✓	✓	✓	3.64	275	30	30
	2.0	✓	✓	✓	4.50	222	30	30
	2.5	✓	✓	✓	5.56	180	30	30
	3.0	✓	✓	✓	6.60	152	30	30
	3.5	✓	✓	—	7.53	133	25	25
	4.0	✓	✓	—	8.49	118	25	25
	5.0	✓	✓	—	10.32	97	20	20
	6.0	✓	✓	—	12.03	83	16	16
89 x 89	2.0	✓	✓	✓	5.38	186	25	25
	2.5	✓	✓	✓	6.66	150	20	20
	3.5	✓	✓	—	9.07	110	20	20
	5.0	✓	✓	—	12.51	80	16	16
	6.0	✓	✓	—	14.67	68	12	12
100 x 100	2.0	✓	✓	✓	6.07	165	20	12
	2.5	✓	✓	✓	7.53	133	20	12
	3.0	✓	✓	✓	8.96	112	20	20
	4.0	✓	✓	—	11.63	86	16	16
	5.0	✓	✓	—	14.24	70	12	12
	6.0	✓	✓	—	16.74	60	12	12
	9.0	#	—	—	23.50	43	9	9
125 x 125	4.0	✓	✓	—	14.80	68	12	12
	5.0	✓	✓	—	18.17	55	12	12
	6.0	✓	✓	—	21.45	47	9	9
	9.0	#	—	—	30.60	33	8	4
150 x 150	5.0	#	—	—	22.10	45	9	6
	6.0	#	—	—	26.20	38	6	6
	9.0	#	—	—	37.70	27	6	4

Table continues over page

1.1.1 SQUARE HOLLOW SECTIONS (SHS) CONT...

1

 Section: Square (SHS) Standard: AS/NZS 1163 Grade: C350L0 Surface Finish: PTD / ALLGAL® / ULTRA-SPEC GAL® / OILED / NOPC*								
Size dxb (mm)	Nom. Thick (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Nom. Mtre/ Tonne	Lengths / Pack 8000mm	Lengths / Pack 12000mm
		PTD	ALLGAL	ULTRA-SPEC GAL				
200 x 200	5.0	#	—	—	29.90	33	6	4
200 x 200	6.0	#	—	—	35.60	28	4	4
	9.0	#	—	—	51.80	19	4	2
	12.5	#	—	—	69.40	14	2	2
	16.0	#	—	—	85.50	12	1	1
250 x 250	6.0	#	—	—	45.00	22	4	2
	9.0	#	—	—	65.90	15	2	2
	12.5	#	—	—	89.00	11	1	1
	16.0	#	—	—	111.00	9	1	1
300 x 300	6.0	#	—	—	54.42	18	1	1
	9.0	#	—	—	80.05	12	1	1
	12.5	#	—	—	109.00	9	1	1
	16.0	#	—	—	136.00	7	1	1
350 x 350	9.0	#	—	—	94.18	11	1	1
	12.5	#	—	—	128.00	8	1	1
	16.0	#	—	—	161.00	6	1	1
400 x 400	9.0	#	—	—	108.31	9	1	1
	12.5	#	—	—	148.00	7	1	1
	16.0	#	—	—	186.00	5	1	1

NOTE:

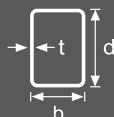
- » Non standard sizes, surface finishes and lengths available subject to enquiry. Minimum order quantities (MOQ's) apply.
- » C450L0 grade available for some sizes, subject to enquiry. Minimum Order Quantities (MOQ's) apply.
- » NOPC & OILED available subject to enquiry.

* Refer to Glossary of Terms

Not in manufactured range, ring local branch to check availability

1.1.1 Square Hollow Sections (SHS) cont...

1.1.2 RECTANGULAR HOLLOW SECTIONS (RHS)



Section: Rectangular (RHS)

Standard: AS/NZS 1163

Grade: C350L0

Surface Finish: PTD / ALLGAL® / ULTRA-SPEC GAL® / OILED / NOPC*

Size dxb (mm)	Nom. Thick (mm)	Surface Finish			Nom. Linear Mass [Kg/m]	Nom. Mtre/ Tonne	8000mm Lengths / Pack
		PTD	ALLGAL	ULTRA-SPEC GAL			
8000mm Lengths Standard							
50 x 25	1.6	✓	✓	✓	1.75	571	96
	2.0	✓	✓	✓	2.15	465	96
	2.5	✓	✓	✓	2.62	382	72
	3.0	✓	✓	✓	3.07	326	60
65 x 35	1.6	✓	✓	✓	2.38	420	54
	2.0	✓	✓	✓	2.93	341	54
	2.5	✓	✓	✓	3.60	278	54
	3.0	✓	✓	✓	4.25	236	45
75 x 25	1.6	✓	✓	✓	2.38	420	65
	2.0	✓	✓	✓	2.93	341	65
	2.5	✓	✓	✓	3.60	278	48
75 x 50	1.6	✓	✓	✓	3.01	332	42
	2.0	✓	✓	✓	3.72	269	42
	2.5	✓	✓	✓	4.58	218	42
	3.0	✓	✓	✓	5.42	184	35
	4.0	✓	✓	—	6.92	145	28
	5.0	✓	✓	—	8.35	120	24
	6.0	✓	✓	—	9.67	103	20
100 x 50	1.6	✓	✓	✓	3.64	275	32
	2.0	✓	✓	✓	4.504	222	32
	2.5	✓	✓	✓	5.56	180	32
	3.0	✓	✓	✓	6.60	152	32
	3.5	✓	✓	—	7.53	133	24
	4.0	✓	✓	—	8.49	118	24
	5.0	✓	✓	—	10.32	97	18
	6.0	✓	✓	—	12.03	83	15

NOTE:

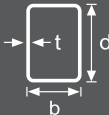
Table continues over page

- » Some 5.0mm ALLGAL® sections available ex-rolling. Minimum order quantities (MOQ's) apply.
- » Non standard sizes, surface finishes and lengths available subject to enquiry. Minimum order quantities (MOQ's) apply.
- » C450L0 grade available for some sizes, subject to enquiry. Minimum order quantities (MOQ's) apply.
- » NOPC & OILED available subject to enquiry.

* Refer to Glossary of Terms

1.1.2 RECTANGULAR HOLLOW SECTIONS (RHS) CONT...

1



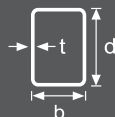
Section: Rectangular (RHS)
Standard: AS/NZS 1163
Grade: C350L0
Surface Finish: PTD / ALLGAL® / ULTRA-SPEC GAL® / OILED / NOPC*

Size dxb (mm)	Nom. Thick (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Nom. Mtre/Tonne	Lengths / Pack 8000mm	Lengths / Pack 12000mm
		PTD	ALLGAL	ULTRA-SPEC GAL				
8000mm & 12000mm Lengths Standard								
125 x 75	2.5	✓	✓	✓	7.53	133	20	20
	3.0	✓	✓	✓	8.96	112	20	20
	4.0	✓	✓	—	11.63	86	15	15
	5.0	✓	✓	—	14.24	70	15	15
	6.0	✓	✓	—	16.74	60	12	12
150 x 50	2.0	✓	✓	✓	6.07	165	21	21
	2.5	✓	✓	✓	7.53	133	21	21
	3.0	✓	✓	✓	8.96	112	21	21
	4.0	✓	✓	—	11.63	86	15	15
	5.0	✓	✓	—	14.24	70	15	15
150 x 100	6.0	✓	✓	—	16.74	60	15	15
	3.0	✓	✓	—	11.31	88	12	8
	4.0	✓	✓	—	14.77	68	12	12
	5.0	✓	✓	—	18.17	55	12	12
	6.0	✓	✓	—	21.45	47	9	9
200 x 100	9.0	✗	—	—	30.60	33	6	4
	4.0	✗	—	—	17.90	56	8	6
	5.0	✗	—	—	22.10	45	8	6
	6.0	✗	—	—	26.20	38	8	4
	9.0	✗	—	—	37.70	27	6	4
250 x 150	5.0	✗	—	—	29.94	33	6	4
	6.0	✗	—	—	35.58	28	4	4
	9.0	✗	—	—	51.79	19	4	2
	12.5	✗	—	—	69.40	14	2	2
	16.0	✗	—	—	85.50	12	1	1
300 x 200	6.0	✗	—	—	45.00	22	—	2
	9.0	✗	—	—	65.92	15	—	2
	12.5	✗	—	—	89.00	11	—	1
	16.0	✗	—	—	111.00	9	—	1
350 x 250	12.5	✗	—	—	109.00	9	—	1
	16.0	✗	—	—	136.00	7	—	1
400 x 200	6.0	✗	—	—	54.42	18	1	—
	9.0	✗	—	—	80.05	12	1	—
	12.5	✗	—	—	109.00	9	—	1
400 x 300	9.0	✗	—	—	94.18	11	—	1
	12.5	✗	—	—	128.00	8	—	1
	16.0	✗	—	—	161.00	6	—	1

1.1.2 Rectangular Hollow Sections (RHS) cont...

Refer to notes on page 6

1.1.3 RECTANGULAR HOLLOW SECTIONS (RHS) - NON STANDARD



Section: Rectangular (RHS)

Standard: AS/NZS 1163

Grade: C350L0

Surface Finish: PTD / ALLGAL® / ULTRA-SPEC GAL® / OILED / NOPC*

Size dxb (mm)	Nom. Thick (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Nom. Mtre/ Tonne	Lengths / Pack
		PTD	ALLGAL	ULTRA-SPEC GAL			
8000mm Lengths Standard							
38 x 25	1.6	✓	✓	✓	1.45	689	72
	2.0	✓	✓	✓	1.77	564	72
	2.5	✓	✓	✓	2.15	465	72
	3.0	✓	✓	✓	2.50	400	72
50 x 20	1.6	✓	✓	✓	1.63	615	96
	2.0	✓	✓	✓	1.99	502	96
	2.5	✓	✓	✓	2.42	412	72
	3.0	✓	✓	✓	2.83	353	72
50 x 30	2.0	✓	✓	✓	2.31	434	96
50 x 40	1.6	✓	✓	✓	2.13	470	63
	2.0	✓	✓	✓	2.62	382	63
	2.5	✓	✓	✓	3.21	312	54
76 x 38	1.6	✓	✓	✓	2.73	366	50
	2.0	✓	✓	✓	3.37	296	56
	2.5	✓	✓	✓	4.15	241	45
	3.0	✓	✓	✓	4.90	204	40
	4.0	✓	✓	—	6.23	161	32
80 x 40	1.6	✓	✓	✓	2.88	347	50
	2.5	✓	✓	✓	4.39	228	36
102 x 76	3.5	✓	✓	—	9.07	110	20
	5.0	✓	✓	—	12.51	80	15
	6.0	✓	✓	—	14.67	68	12
127 x 51	3.0	✓	✓	✓	7.92	126	18
	4.0	✓	✓	—	10.24	98	12
	5.0	✓	✓	—	12.51	80	12
	6.0	✓	✓	—	14.67	68	12
152 x 76	5.0	✓	✓	—	16.44	61	12
	6.0	✓	✓	—	19.38	52	9
185 x 65 ⁺	3.0	✓	✓	✓	11.31	88	10
	4.0	✓	✓	—	14.77	68	10
	5.0	✓	✓	—	18.17	55	10
	6.0	✓	✓	—	21.45	47	10

NOTE:

- » Minimum order quantities (MOQ's) apply.
- » C450L0 grade available for some sizes subject to enquiry. Minimum order quantities (MOQ's) apply.
- » NOPC & OILED available subject to enquiry.

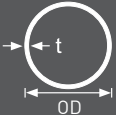
+ Please contact your local Orrcon Steel / Metalcop branch

* Refer to Glossary of Terms

Not in manufactured range, ring local branch to check availability

1.1.4 CIRCULAR HOLLOW SECTIONS (CHS)

1



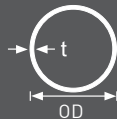
Section: Pipe (CHS)
Standard: AS/NZS 1163 & AS 1074
Grade: C250L0, C350L0
Surface Finish: PTD / ULTRA-SPEC GAL® / ALLGAL® / OILED / NOPC*

NB (mm)	OD (mm)	Nom. Thick (mm)	Class AS1074	Grade		Surface Finish			Nom. Linear Mass (Kg/m)	Nom. Mtre / Tonne	Lengths / Pack
				C250L0	C350L0	PTD	ALLGAL	ULTRA-SPEC GAL			
6500mm Lengths Standard											
—	25.4	2.0	XL	—	❖	—	✓	✓	1.15	866	91
20	26.9	2.6	M	✓	—	✓	✓	✓	1.56	642	127
25	33.7	2.0	XL	✓	❖	✓	✓	✓	1.56	640	91
		2.6	L	✓	❖	✓	✓	✓	1.99	501	91
		3.2	M	✓	—	✓	✓	—	2.41	415	91
		4.0	H	✓	—	✓	✓	—	2.93	341	91
32	42.4	2.0	XL	✓	❖	✓	✓	✓	1.99	502	61
		2.6	L	✓	❖	—	✓	✓	2.55	392	61
		3.2	M	✓	—	✓	✓	—	3.09	323	61
		4.0	H	✓	—	—	✓	—	3.79	264	61
40	48.3	2.3	XL	—	❖	✓	✓	✓	2.61	383	61
		2.9	L	✓	❖	✓	✓	✓	3.25	308	61
		3.2	M	✓	—	✓	✓	—	3.56	281	61
		3.5	M	✓	—	✓	✓	—	3.87	258	—
		4.0	H	✓	❖	✓	✓	—	4.37	229	61
—	51	2.0	XL	✓	—	✓	✓	✓	2.42	413	—
		4.0	H	✓	—	✓	✓	—	4.64	216	—
50	60.3	2.3	XL	✓	❖	✓	✓	✓	3.29	304	37
		2.9	L	✓	❖	✓	✓	✓	4.11	244	37
		3.5	M	✓	❖	✓	✓	—	4.9	204	—
		3.6	M	✓	❖	✓	✓	—	5.03	199	37
		4.5	H	✓	❖	✓	✓	—	6.19	161	37
65	76.1	2.3	XL	✓	❖	✓	✓	✓	4.19	239	37
		3.2	L	✓	❖	✓	✓	—	5.75	174	37
		3.6	M	✓	❖	✓	✓	—	6.44	155	37
		4.5	H	✓	❖	✓	—	—	7.95	126	37
80	88.9	2.6	XL	—	❖	✓	—	✓	5.53	181	19
		3.2	L	✓	❖	✓	✓	—	6.76	148	19
		4.0	M	✓	❖	✓	✓	—	8.38	119	19
		5.0	H	✓	❖	✓	✓	—	10.35	97	19
90	101.6	2.6	XL	—	❖	✓	✓	✓	6.35	158	19
		3.2	L	—	❖	✓	✓	—	7.77	129	19
		4.0	M	✓	❖	✓	—	—	9.63	104	19
		5.0	H	✓	❖	✓	—	—	11.91	84	19
100	114.3	3.2	XL	—	❖	✓	✓	—	8.77	114	19
		3.6	L	✓	❖	✓	✓	—	9.83	102	19
		4.5	M	✓	❖	✓	✓	—	12.19	82	19
		5.4	H	✓	❖	✓	—	—	14.50	69	19

1.1.4 Circular Hollow Sections (CHS)

Table continues over page

1.1.4 CIRCULAR HOLLOW SECTIONS (CHS) CONT...



Section: Pipe (CHS)
Standard: AS/NZS 1163 & AS 1074
Grade: C250L0, C350L0
Surface Finish: PTD / ULTRA-SPEC GAL® / ALLGAL® / OILED / NOPC*

NB (mm)	OD (mm)	Nom. Thick (mm)	Class AS1074	Grade		Surface Finish			Nom. Linear Mass (Kg/m)	Nom. Mtre / Tonne	Lengths / Pack
				C250L0	C350L0	PTD	ALLGAL	ULTRA-SPEC GAL			
6500mm Lengths Standard											
125	139.7	3.0	XL	✓	❖	✓	—	✓	10.11	99	13
		3.5	L	—	❖	✓	✓	—	11.76	85	13
		5.0	M	✓	❖	✓	✓	—	16.61	60	13
		5.4	H	✓	❖	✓	—	—	17.89	56	13
150	165.1	3.0	XL	—	❖	✓	✓	✓	11.99	83	10
		3.5	L	—	❖	✓	✓	—	13.95	72	10
		5.0	M	✓	❖	✓	✓	—	19.74	51	10
		5.4	H	✓	—	✓	—	—	21.27	47	10

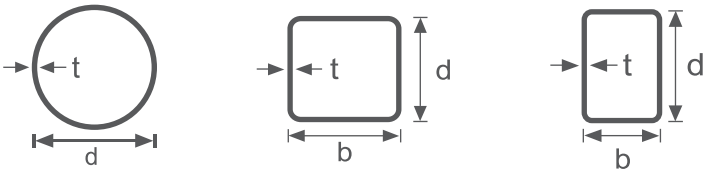
NOTE:

- » ❖ Denotes tensile strength exceeds AS 1074 specification.
- » Non standard sizes, surface finishes and lengths available subject to enquiry. Minimum order quantities (MOQ's) apply.
- » NOPC & OILED available subject to enquiry.

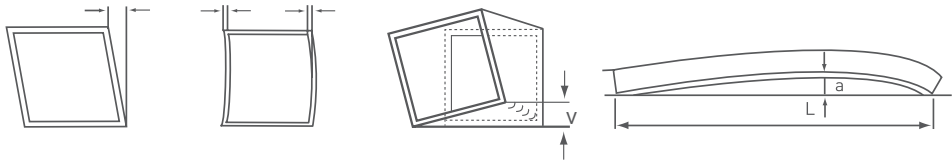
*** Refer to Glossary of Terms**

1.1.5 STRUCTURAL STANDARDS & TOLERANCES

Standard Tolerances - Structural Tube & Pipe



AS1163		Dimensional Tolerances	
Characteristic		Pipe (CHS)	Rectangular & Square (RHS / SHS)
External dimensions {d, b, d ₀ }		±1% with minimum of ±0.5mm & maximum ±10mm	±1% with minimum of ±0.5mm
Thickness (t)	d≤406.4mm	±10%	±10%
	d>406.4mm	±10% with max of ±2mm	
All Sections			
Mass		Not less than 96% of specified nominal mass	



1.1.5 STRUCTURAL STANDARDS & TOLERANCES CONT...

AS1163		Shape Tolerances
Characteristic		All Sections
Corner Radius	≤ 50 x 50mm equivalent perimeter	1.5t to 3t
	> 50 x 50mm equivalent perimeter	1.8t to 3t
Twist (v)		≤2mm ±0.5mm /m Lengths
Concavity / Convexity		Max 0.8% or 0.5mm, whichever is greater
Squareness		90 ± 1°
		Pipe (CHS) Rectangle & Square (RHS/SHS)
Straightness		0.20% of total Lengths 0.15% of total Lengths

1.1.6 STRUCTURAL PROCESSING & SERVICES

PROCESSING

Please note Orrcon Steel offers processing options including laser tube cutting, pack cutting, pipe threading, shouldering and roll grooving. Not all processing is available at all locations. Please contact Orrcon Steel for further information.

JET ROLLING

Rolling of product outside the normal schedule. Minimum order quantities (MOQ's) apply.

Special Requirements

If you cannot find what you are looking for in our standard product range, our flexible mill options mean that we may still be able to meet your requirements.

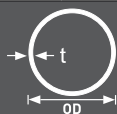
We can offer the following, depending on your requirements:

- » Variations to standard mill Lengths
- » Other section sizes
- » Variable grades, chemical compositions & mechanical properties
- » Exact cut Lengths
- » Restricted tolerances
- » Other surface finishes & thicknesses

After assessing the shape/section and tooling cost we can provide you with a quotation for the special product. Minimum order quantities (MOQ's) may apply.

1.2 SPRINKLER & HYDRANT PIPE - ORRFIRE® PIPE RANGE

1



Section: ORRFIRE® Pipe - Sprinkler and Hydrant Pipe
Standard: AS4118.2.1 / AS2419
Surface Finish: SMARTCOTE® / ALLGAL® / Hot Dipped Galvanized

OD (mm)	NB (mm)	Nominal Thickness (mm)	Designation	Surface Finish		Nom. Linear Mass [Kg/m]	Nom. Mtre/ Tonne	Lengths / Pack
				SMARTCOTE	ALLGAL			
6500mm Lengths Standard								
26.7	20	2.0	XLight	✓	✓	1.23	814	127
		2.3	Light	✓	✓	1.40	717	127
		2.6	Medium	✓	✓	1.56	642	127
33.4	25	2.0	XLight	✓	✓	1.56	639	91
		2.6	Light	✓	✓	1.99	501	91
		3.2	Medium	✓	✓	2.41	415	91
42.2	32	2.0	XLight	✓	✓	1.99	501	61
		2.6	Light	✓	✓	2.55	392	61
		3.2	Medium	✓	✓	3.09	323	61
48.3	40	2.3	XLight	✓	✓	2.61	383	61
		2.9	Light	✓	✓	3.25	308	61
		3.2	Medium	✓	✓	3.56	280	61
60.3	50	2.3	XLight	✓	✓	3.29	304	37
		2.9	Light	✓	✓	4.11	244	37
		3.6	Medium	✓	✓	5.03	199	37
76.1	65	2.3	XLight	✓	✓	4.19	239	37
		3.2	Light	✓	✓	5.75	174	37
		3.6	Medium	✓	✓	6.44	155	37
88.9	80	2.6	XLight	✓	✓	5.53	181	—
		3.2	Light	✓	✓	6.76	148	—
		4.0	Medium	✓	✓	8.38	119	—
114.3	100	2.5	—	✓	✓	6.89	145	—
		3.2	XLight	✓	✓	8.76	114	—
		3.6	Light	✓	✓	9.83	102	—
		4.5	Medium	✓	✓	12.20	82	—
139.7	125	3.0	XLight	✓	✓	10.11	99	—
		3.5	Light	✓	✓	11.08	85	—
		5.0	Medium	✓	✓	16.60	60	—
165.1	150	3.0	XLight	✓	✓	11.99	83	—
		3.5	Light	✓	✓	13.90	72	—
		5.0	Medium	✓	✓	19.70	51	—
		5.4	Heavy	✓	✓	21.30	47	—
12000mm Lengths Standard								
168.3	—	4.8	—	—	—	19.35	52	—
—	—	6.4	—	—	—	25.55	39	—
219.1	200	4.8	—	—	—	25.37	39	—
—	—	6.4	—	—	—	33.57	30	—
273.1	250	4.8	—	—	—	31.76	31	—
—	—	6.4	—	—	—	42.09	24	—
323.7	300	4.8	—	—	—	37.77	26	—

NOTE:

- » Recommended maximum test pressure is 5000 kPa / 725 Psi.
- » The pipe must be supported to avoid all external loads and free to accommodate thermal expansion.
- » For light and extra light pipe in all sizes the minimum yield strength is 300 MPa and 200 MPa for medium wall.
- » Pipes 200NB and above have minimum yield strength of 300 MPa.
- » These tables are applicable for services where pipe contents temperature does not exceed 250°C.
- » Pipe 20NB up to 150NB is painted red primer.
- » Pipe 200NB and above is painted black primer.
- » Non standard sizes, surface finish and lengths available, subject to enquiry.
- » Minimum order quantities (MOQ's) apply.
- » Pipes >300NB available subject to enquiry.
- » Contact your Orrcon Steel representative for the correct quantity of lengths per pack.

1.2 SPRINKLER & HYDRANT PIPE - ORRFIRE® PIPE SPECIFICATIONS DIAMETER TOLERANCE – ORRFIRE® PIPE

Maximum variation from nominal outside diameter in all wall thicknesses															
NB	(mm)	20	25	32	40	50	65	80	100	125	150	—	200	250	300
Outside Diameter	(mm)	26.9	33.7	42.4	48.3	60.3	76.1	88.9	114.3	139.7	165.1	168.3	219.1	273.1	323.9
Min OD	(mm)	26.6	33.4	42.0	47.8	59.7	75.3	88.0	113.2	138.3	163.4	166.6	217.0	270.4	320.7
Max OD	(mm)	27.2	34.0	42.8	48.8	61.0	76.9	89.8	115.4	141.1	166.7	170.0	221.3	275.8	327.1

MECHANICAL PROPERTIES – ORRFIRE® PIPE

Pipe Dimensions	Minimum Yield Strength	Minimum Tensile Strength	Minimum Elongation as a proportion of gauge Lengths
Light Wall Pipe 20 TO 150 NB (3/4 TO 6 INCH)	300 MPa	400 MPa	20%
Medium Wall Pipe 20 TO 150 NB (3/4 TO 6 INCH)	200 MPa	300 MPa	22%
Schedule 200 TO 300 NB (8 TO 12 INCH)	300 MPa	420 MPa	20%



The current ActivFire® approvals are listed below. Current copies of ActivFire® certificates are available from www.orrconsteel.com.au

ActivFire® Approval Listing Number	Product	Designation
afp 1641	ORRFIRE® SMARTCOTE® Red Painted	Extra Light pipe
afp 1510	ORRFIRE® SMARTCOTE® Red Painted	Light pipe
afp 1511	ORRFIRE® SMARTCOTE® Red Painted	Medium pipe
afp 2481	ORRFIRE® SMARTCOTE® Red Painted	Sprinkler & Hydrant pipe Extra Light and Light
afp 1640	ORRFIRE® ALLGAL® Electro Galvanized	Extra Light pipe
afp 1528	ORRFIRE® ALLGAL® Electro Galvanized	Extra Light pipe 100NB and above
afp 1508	ORRFIRE® ALLGAL® Electro Galvanized	Light pipe
afp 1509	ORRFIRE® ALLGAL® Electro Galvanized	Medium pipe
afp 1529	ORRFIRE® Hot Dipped Galvanized	Sprinkler & Hydrant pipe Extra Light and Light
afp 1530	ORRFIRE® Hot Dipped Galvanized	Sprinkler and Hydrant Medium pipe

THREADING SPECIFICATIONS - ORRFIRE® PIPE

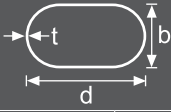
End Treatment	Min Size (mm)	Max Size (mm)	Min Thickness (mm)	Max Thickness (mm)
Threading	25NB	50NB	3.2	4.5

ROLL GROOVING SPECIFICATIONS – ORRFIRE® PIPE

End Treatment	Pipe Size (mm)	Min Thickness (mm)	Max Thickness (mm)
Roll Grooving	50NB	2.3	3.6
	65NB	2.3	3.6
	80NB	2.6	4.0
	100NB	2.5	4.5
	125NB	3.0	◆
	150NB	3.0	◆
	200NB	4.8	◆
	250NB	4.8	◆

NOTE: » Contact your Orrcon Steel representative for minimum thicknesses outside the listed range.
◆ Contact your Orrcon Steel representative for maximum thicknesses which are not listed for the specified diameter pipe.

1.3 YARD RAIL

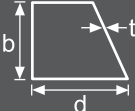


Section: Yard Rail
Standard: AS/NZS 1163
Grade: C350L0
Surface Finish: PTD / ULTRA-SPEC GAL® / ALLGAL®

Size dxb (mm)	Nom. Thick (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Nom. Mtre/ Tonne	Lengths / Pack
		PTD	ULTRA-SPEC GAL	ALLGAL			
Flat Sided Oval (Rail) 6100mm Lengths Standard							
52 x 25	1.6	✓	✓	✓	1.61	621	48
	2.0	✓	✓	✓	1.99	503	48
53 x 35	1.6	✓	✓	✓	1.84	543	48
58 x 31	16	✓	✓	✓	1.847	541	48
59 x 30	1.6	✓	✓	✓	1.84	543	48
	2.0	✓	✓	✓	2.28	439	48
62 x 50	2.0	✓	✓	✓	2.876	348	25
	2.5	✓	✓	✓	3.564	281	25
	3.0	✓	✓	✓	4.239	236	25
	4.0	✓	✓	✓	5.554	180	25
66 x 44	1.6	✓	✓	✓	2.32	431	25
	2.0	✓	✓	✓	3.22	311	25
75 x 40	1.6	✓	✓	✓	2.46	407	20
	2.0	✓	✓	✓	2.99	334	20
	2.5	✓	✓	✓	3.60	278	32
85 x 48	1.6	✓	✓	✓	2.742	365	28
97 x 40	2.0	✓	✓	✓	3.65	274	21
97 x 42	2.0	✓	✓	✓	3.65	274	21
	2.5	✓	✓	✓	4.53	221	21
108 x 38	2.0	✓	✓	✓	3.85	260	21
115 x 42	2.0	✓	✓	✓	4.27	234	21
	2.3	✓	✓	✓	4.912	204	21
	2.5	✓	✓	✓	5.33	188	21
Flat Sided Round (Post) 6100mm Lengths Standard							
62 x 50	2.0	✓	✓	✓	2.88	348	25
80 x 61	2.0	✓	✓	✓	3.65	274	25

NOTE: » Non standard sizes, surface finishes and lengths available, subject to enquiry.
» Minimum order quantities (MOQ's) apply.

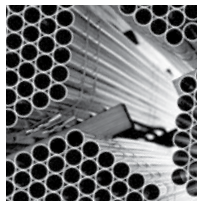
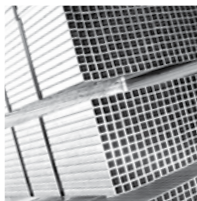
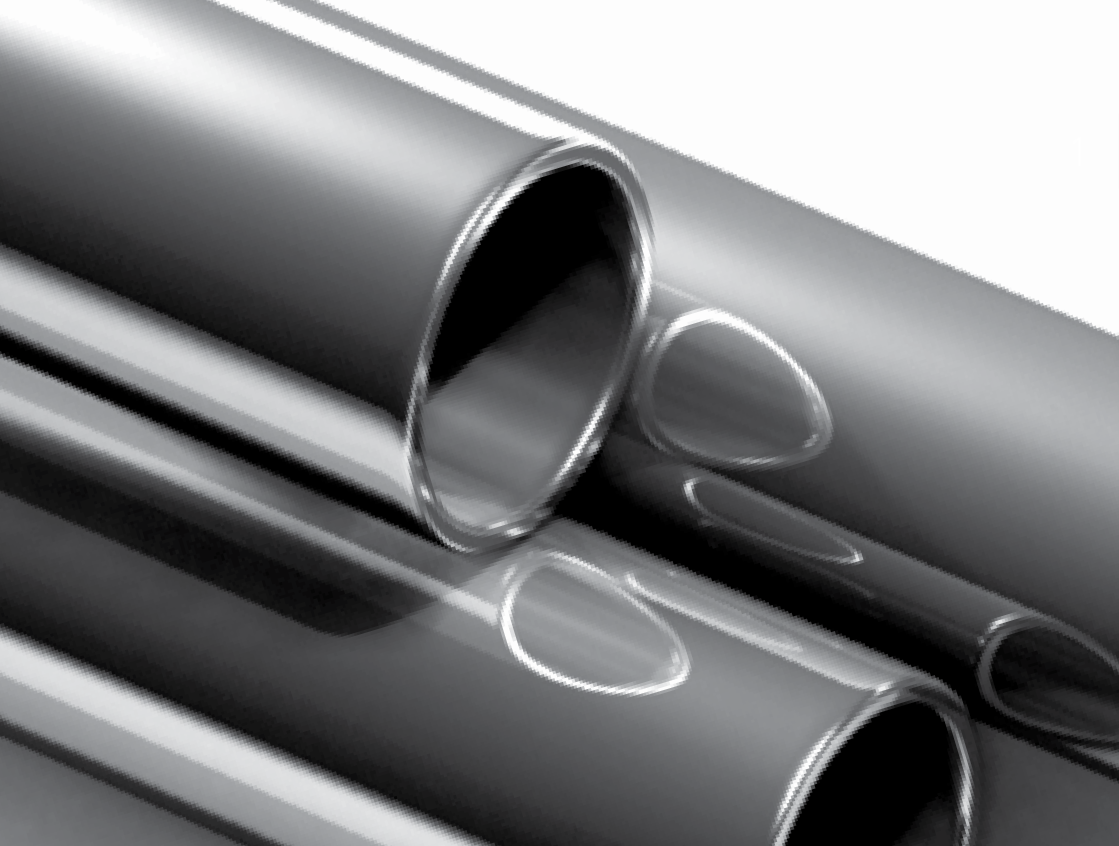
1.4 SILO SECTIONS



Section: Silo Sections
Standard: AS/NZS 1163
Grade: C350L0
Surface Finish: ALLGAL®

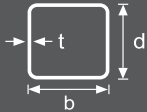
Size dxb (mm)	Nom. Thick (mm)	Surface Finish	Nom. Linear Mass (Kg/m)	Nom. Mtre/Tonne	Lengths / Pack
		ALLGAL			
12000mm Lengths Standard					
75 x 64	2.5	✓	4.58	218	24
	3.0	✓	5.46	183	24

NOTE: » Non standard surface finishes and lengths available, subject to enquiry.
» Minimum order quantities (MOQ's) apply.



Precision Tube

1.5.1 PRECISION SQUARE TUBE



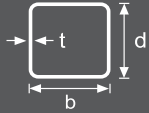
Section: Square Tube
Standard: AS 1450*
Surface Finish: SEMB / MSGB / MSBL**

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

Table continues over page

1.5.1 PRECISION SQUARE TUBE CONT...

1



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

Size dxb (mm)	Gauge (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Lengths Per Pack
		SEMB	MSGB	MSBL		
6100mm, 6500mm, 7320mm & 8000mm Lengths Standard						
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:

- » Non standard 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 / Metalcop representative for availability & minimum order quantities (MOQ's).

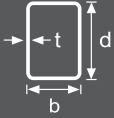
* Mechanical Properties - refer to section 1.5.9 - Standards - Precision Tube.

** Refer to Glossary of Terms

* Capable but not currently made.

1.5.2 PRECISION RECTANGULAR TUBE

1



Section: Rectangular Tube

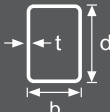
Standard: AS 1450*

Surface Finish: SEMB / MSGB / MSBL**

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

Table continues over page

1.5.2 PRECISION RECTANGULAR TUBE CONT...



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

Size dxb (mm)	Gauge (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Lengths Per Pack
		SEMB	MSGB	MSBL		
6100mm, 6500mm, 7320mm & 8000mm Lengths Standard						
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:

- » Non standard 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 / Metalcorp representative for availability & minimum order quantities (MOQ's).

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

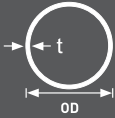
** Refer to Glossary of Terms

* Capable but not currently made.

1.5.2 Precision Rectangular Tube cont...

1.5.3 PRECISION ROUND TUBE

1



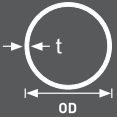
Section: Round Tube
Standard: AS 1450*
Surface Finish: SEMB / MSGB / MSBR / MSBL / ACMS**

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

Table continues over page

1.5.3 PRECISION ROUND TUBE CONT...

1



Section: Round Tube
Standard: AS 1450*
Surface Finish: SEMB / MSGB / MSBR / MSBL / ACMS**

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								
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:

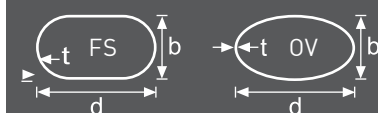
- » Non standard lengths available subject to enquiry.
- » Other coatings available include - HTGB, HRSB, HRGB, HRPO, GALVANIZED**. These sections may not be available in these coatings. Please contact Orrcon Steel for availability.
- » The products listed are indicative of the range however you need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

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

** **Refer to Glossary of Terms**

* **Capable but not currently made.**

1.5.4 PRECISION OVAL TUBE



Section: Oval Tube
Standard: AS 1450*
Surface Finish: SEMB / MSGB / MSBR**

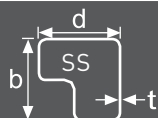
Size dxb (mm)	Flat / Oval Side	Gauge (mm)	Surface Finish			Nom. Linear Mass (Kg/m)	Lengths Per Pack
			SEMB	MSGB	MSBR		
6100mm, 6500mm, 7320mm & 8000mm Lengths Standard							
30 x 15	OV	2.0	✓	*	—	1.152	128
31.8 x 16	FS	1.2	*	*	✓	0.740	128
	FS	1.6	*	*	✓	0.998	128
31.8 x 17.5	OV	1.6	✓	*	—	0.940	96
	OV	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:

- » Non standard 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 / Metalcorp representative for availability & minimum order quantities (MOQ's).

*** Capable but not currently made.**

1.5.5 PRECISION SPECIAL SHAPES



Section: Special Shapes
Standard: AS 1450*
Surface Finish: SEMB / MSGB**

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:

- » Non standard 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 / Metalcorp representative for availability & minimum order quantities (MOQ's).

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

**** Refer to Glossary of Terms**

*** Capable but not currently made.**

1.5.6 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.

Finished tube properties achieve minimum 350 MPa yield strength.

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.

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.

PRODUCT BENEFITS

- » 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

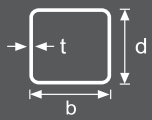
NOTE:

*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.

1.5.7 MECSPEC-GAL® TUBE (SHS)

1.5.7 MEC SPEC-GAL® Tube (SHS)

1



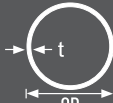
Section: MECSPEC-GAL® Tube
Standard: AS1450
Grade: C350
Surface Finish: AS/NZS 4792 ZB135/135 Zinc Coating

Size dxb (mm)	Gauge (mm)	Surface Finish	Nom. Linear Mass (Kg/m)	Lengths Per Pack
		GAL		
6500mm & 8000mm Lengths Standard*				
20 x 20	1.6	✓	0.87	100
	2.0	✓	1.05	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.

1.5.8 MECSPEC-GAL® PIPE (CHS)

1



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	Nom. Linear Mass (Kg/m)	Lengths Per Pack
				GAL		
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.

1.5.8 MECSPEC-GAL® Pipe (CHS)

August 2021 | REV 7 | This version supersedes all previous issues.

The published date and revision status above provides guidance on the currency of this Pocket Catalogue. Considerable effort has gone into ensuring the accuracy of content in this catalogue, but occasionally variations may occur. If you find that information or data doesn't reconcile with actual product specifications or configurations please advise Orrcon Steel's Customer Service Centre on 1300 677 266.

For latest version please refer to the website www.orrconsteel.com.au

ORRCON MANUFACTURING

we'll see it through

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

Orrcon Steel employs hundreds of Australians who use their steel industry knowledge and experience to produce and supply reliable steel products.

Orrcon Steel has an ISO 9001 accredited Quality Management System for the manufacturing of Pipe and Tube at its Salisbury and O'Sullivan Beach Mills. This ensures that when buying Australian made Orrcon Steel, there is traceability through our distribution centres, branches and stockists to the mill rolling and original steel coils.

Orrcon Steel's Hollow Structural Sections manufactured in Salisbury are certified by the Australasian Certification Authority for Reinforcing and Structural Steels (ACRS).

Importantly, we have our own on-site laboratory at the Salisbury Mill that is accredited by the National Association of Testing Authorities (NATA) for Mechanical and Chemical testing.

Orrcon Steel has a range of certifications and systems in place aimed to satisfy your compliance requirements.

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



Australasian Certification
Authority for Reinforcing
and Structural Steels







1300 ORRCON (1300 677 266)
www.orrconsteel.com.au

HEAD OFFICE

121 Evans Road,
SALISBURY QLD 4107
Tel: 07 3274 0500 | Fax: 07 3274 0517
E: info@orrcon.com.au



facebook.com/OrrconSteel

linkedin.com/company/orrcon-steel

QLD

75 Aumuller Street,
CAIRNS (Portsmith) QLD 4870
Tel: 07 4035 5155 | Fax: 07 4035 5199
E: sales Cairns@orrcon.com.au

920 Nudgee Road,
NORTHGATE QLD 4013
Tel: 07 3873 9233 | Fax: 07 3633 8220
E: salesqld@orrcon.com.au

SA

123-131 Bedford Street,
GILLMAN SA 5013
Tel: 08 8245 5900 | Fax: 08 8245 5910
E: salessa@orrcon.com.au

NSW

145 Hollinsworth Road,
MARSDEN PARK NSW 2765
Tel: 02 8856 6700 | Fax: 02 9675 9500
E: salesnsw@orrcon.com.au

WA

62 Chester Pass Road,
ALBANY WA 6330
Tel: 08 9841 9700 | Fax: 08 9841 9711
E: salesalbany@orrcon.com.au

9 Bradford Street,
KEWDALE WA 6105
Tel: 08 9208 1000 | Fax: 08 6250 1124
E: saleswa@orrcon.com.au

VIC

Gate 1, 16-24 Westall Road,
WESTALL (Clayton South) VIC 3169
Tel: 03 9253 9686 | Fax: 03 8571 9701
E: salesvic@orrcon.com.au

METALCORP

Everything in Steel

1300 306 204
www.metalcorp.com.au

QLD

21 Charlie Triggs Crescent,
BUNDABERG QLD 4670
Tel: 07 4131 4200 | Fax: 07 4131 4211
E: salesbundy@metalcorp.com.au

Hugh Quinn Crescent,
CHARTERS TOWERS QLD 4820
Tel: 07 4761 5000 | Fax: 07 4761 5005
E: salesct@metalcorp.com.au

920 Nudgee Road,
NORTHGATE QLD 4013
Tel: 07 3873 9234 | Fax: 07 3622 9388
E: salesngate@metalcorp.com.au

340-360 Anzac Avenue,
TOOWOOMBA QLD 4350
Tel: 07 4614 2000 | Fax: 07 4634 7555
E: salestwba@metalcorp.com.au

VIC

843-845 Creswick Road,
BALLARAT VIC 3350
Tel: 03 4333 7800 | Fax: 03 4313 5844
E: salesballarat@metalcorp.com.au

15 - 35 Fairview Road,
BENDIGO (Kangaroo Flat) VIC 3555
Tel: 03 5448 3811 | Fax: 03 5448 3822
E: salesbendigo@metalcorp.com.au

503 Hammond Road,
DANDENONG VIC 3175
Tel: 03 9212 1203 | Fax: 03 9768 1210
E: salesdandenong@metalcorp.com.au

455 Melbourne Road,
GEELONG VIC 3215
Tel: 03 5247 4100 | Fax: 03 5272 2330
E: salesgeelong@metalcorp.com.au

5 Kirwin Road,
MORWELL VIC 3840
Tel: 03 5134 6266 | Fax: 03 5133 7253
E: salesmorwell@metalcorp.com.au

24 Portland-Nelson Road,
PORTLAND VIC 3305
Tel: 03 5522 4255 | Fax: 03 5559 4277
E: saleswarrn@metalcorp.com.au

NSW

2 Jannali Road,
DUBBO NSW 2830
Tel: 02 6841 2155 | Fax: 02 6841 2166
E: salesdubbo@metalcorp.com.au

32 Hume Street,
TAMWORTH (Taminda) NSW 2340
Tel: 02 6767 3200 | Fax: 02 6755 3232
E: salestamworth@metalcorp.com.au

SA

285 Grand Junction Road,
OTTOWAY SA 5013
Tel: 08 8245 3777 | Fax: 08 8245 3877
E: salesottoway@metalcorp.com.au

WA

9 Bradford Street,
KEWDALE WA 6105
Tel: 08 9208 1018 | Fax: 08 6250 1155
E: saleskewdale@metalcorp.com.au



facebook.com/Metalcorp1

linkedin.com/company/7020120/

