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INTRODUCTION

Steel & Tube is pleased to provide this *Steel Product Catalogue* for your use. We aim to carry all popular products and sizes on a continuous basis. The *Steel Product Catalogue* generally lists those sizes we carry ex-stock. However, there are some sizes (noted with a ♦) we offer on an indent basis only.

We also carry many products not featured in this particular publication. Please contact Steel & Tube for more information on our comprehensive range of steel products, or visit our website: www.steelandtube.co.nz.

TELARC LIMITED/ISO 9001

Steel & Tube is committed to providing our customers with consistent and reliable service that meets their needs and promotes excellence in systems and a continuous improvement in quality. To demonstrate this commitment Steel & Tube is a Telarc registered supplier, certified to ISO 9001.

Telarc Limited (www.telarc.co.nz) is a national technical authority responsible for quality system certification through independent assessment, audit and testing of quality control procedures.

In practical terms, Telarc's role is to formally recognise all aspects of:

- quality in processing, distribution and service
- compliance with product or system specifications or standards
- technical competence of testing or inspecting
- quality of service performance and delivery

This role is to be carried out in a manner sufficient to provide consumers with confidence in the quality of products and services.



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FLATS

AS/NZS 3679 G300 6 METRES

SIZE MM X MM	MASS KG/M	METRES PER TONNE
20 x 3	0.47	2123
x 5	0.79	1274
x 6	0.94	1062
x 10	1.57	637
25 x 3	0.59	1695
x 5	0.98	1019
x 6	1.18	847
x 8	1.57	637
x 10	1.96	510
x 12	2.36	424
30 x 5	1.17	141
x 10	2.35	70
32 x 3	0.75	1333
x 5	1.26	794
x 6	1.51	662
x 8	2.01	498
x 10	2.51	398
◆ x 12	3.01	332
40 x 3	0.94	1064
x 5	1.57	637
x 6	1.88	532
x 8	2.51	398
x 10	3.14	318
x 12	3.77	265
x 16	5.02	199
◆ x 20	6.28	159
50 x 3	1.18	847
x 5	1.96	510
x 6	2.36	424
x 8	3.14	318
x 10	3.93	254
x 12	4.71	212
x 16	6.28	159
x 20	7.85	127
x 25	9.81	102
60 x 6	2.82	58
x 10	4.71	35
x 12	5.65	29
65 x 3	1.53	654
x 5	2.55	392
x 6	3.06	327
◆ x 8	4.08	245
x 10	5.1	196
◆ x 12	6.12	163
x 16	8.16	123
x 20	10.2	98
◆ x 25	12.8	78

SIZE MM X MM	MASS KG/M	METRES PER TONNE
75 x 5	2.94	340
x 6	3.53	283
x 8	4.71	212
x 10	5.89	170
x 12	7.07	141
x 16	9.42	106
x 20	11.8	85
x 25	14.7	68
◆ x 40	23.6	42
80 x 6	3.76	44
x 10	6.28	26
x 12	7.53	22
◆ 90 x 5	3.53	283
x 6	4.24	236
◆ x 8	5.65	177
x 10	7.07	141
◆ x 12	8.48	118
100 x 5	3.93	254
x 6	4.71	212
x 8	6.28	159
x 10	7.85	127
x 12	9.42	106
x 16	12.6	79
x 20	15.7	64
x 25	19.6	51
◆ x 50	39.3	25
◆ 110 x 6	5.18	193
◆ x 8	6.91	145
◆ x 10	8.64	116
◆ x 12	10.4	96
130 x 5	5.1	196
x 6	6.12	163
x 8	8.16	123
x 10	10.2	98
x 12	12.2	82
x 16	16.3	61
x 20	20.4	49
x 25	25.5	39
150 x 5	5.89	170
x 6	7.07	141
x 8	9.42	106
x 10	11.8	85
x 12	14.1	71
x 16	18.8	53
x 20	23.6	42
x 25	29.4	34
◆ x 50	58.9	17

SIZE MM X MM	MASS KG/M	METRES PER TONNE
◆ 180 x 5	7.07	141
x 6	8.48	118
x 10	14.1	71
x 12	17	59
x 16	22.6	44
x 20	28.3	35
x 25	35.3	28
200 x 6	9.42	106
x 8	12.6	79
x 10	15.7	64
x 12	18.8	53
x 16	25.1	40
x 20	31.4	32
x 25	39.3	25
250 x 6	11.8	85
x 8	15.7	64
x 10	19.6	51
x 12	23.6	42
x 16	31.4	32
x 20	39.3	25
x 25	49.1	20
300 x 6	14.1	71
◆ x 8	18.8	53
x 10	23.6	42
x 12	28.3	35
x 16	37.7	27
◆ x 20	47.1	21
◆ x 25	58.9	17

4 METRE AND 6 METRE

SIZE MM X MM	MASS KG/M	METRES PER TONNE
10 x 3	0.24	4132
13 x 3	0.31	3185
x 5	0.52	1912
x 6	0.63	1592
16 x 3	0.39	2590
x 5	0.64	1552
◆ x 8	1.03	971

◆ These items are not commonly stocked but are available on indent. A minimum order quantity may apply on some sizes.

ROUND REID BAR

AS/NZS 4671 G500E MA
9 & 12 METRES

SIZE MM	MASS KG/M	METRES PER TONNE
12	0.89	1124
16	1.58	633
20	2.47	405
25	4.00	250
32	6.31	158

ROUND DEFORMED

AS/NZS 4671 G300E & G500E MA
VARIOUS LENGTHS 6, 9 METRES

DIAMETER MM	MASS KG/M	METRES PER TONNE
10	0.62	1613
12	0.89	1124
16	1.58	633
20	2.47	405
25	4.00	250
32	6.31	158

ROUND PLAIN

AS/NZS 4671 G300
VARIOUS LENGTHS 6, 9 METRES

DIAMETER MM	MASS KG/M	METRES PER TONNE
10	0.64	1562
12	0.96	1086
16	1.64	609
20	2.56	390
24	3.69	271
25	4.00	250
30	5.77	173
32	6.56	152
39	9.37	106
50	15.41	64

SQUARES

AS/NZS 3679 G300
6 METRES

SIZE MM X MM	MASS KG/M	METRES PER TONNE
10 x 10	0.79	1266
12 x 12	1.13	885
16 x 16	2.01	498
20 x 20	3.14	318
25 x 25	4.91	204
32 x 32	8.04	124
40 x 40	12.6	79

BILLETS

AS/NZS 3679 G300
6 METRES

SIZE MM X MM	MASS KG/M	METRES PER TONNE
♦ 45 x 45	16.30	61
50 x 50	27.80	36
♦ 63 x 63	31.20	32
♦ 75 x 75	45.27	22

- ♦ These items are not commonly stocked but are available on indent.
A minimum order quantity may apply on some sizes.

ANGLES – EQUAL

AS/NZS 3679 G300 VARIOUS LENGTHS 6, 9, 12 METRES

SIZE MM X MM X MM	MASS KG/M	METRES PER TONNE
25 x 25 x 3	1.12	893
x 5	1.65	606
♦ x 6	2.08	481
30 x 30 x 3	1.35	741
x 5	2.01	498
♦ x 6	2.56	391
40 x 40 x 3	1.83	546
x 5	2.97	366
♦ x 6	3.50	286
45 x 45 x 5	3.38	49
50 x 50 x 3	2.31	433
x 5	3.77	287
x 6	4.46	224
x 8	5.68	176
♦ 55 x 55 x 5	3.84	260
♦ x 6	4.93	203
♦ 65 x 65 x 5	4.56	219
x 6	5.87	170
x 8	7.51	133
x 10	9.02	111
♦ 75 x 75 x 5	5.27	190
x 6	6.81	147
x 8	8.73	115
x 10	10.5	95
90 x 90 x 6	8.22	122
x 8	10.6	94
x 10	12.7	79
100 x 100 x 6	9.16	109
x 8	11.8	85
x 10	14.2	70
x 12	17.7	57
125 x 125 x 8	14.9	67
x 10	18.0	56
x 12	22.5	44
♦ x 16	29.1	34
150 x 150 x 10	21.9	46
x 12	27.3	37
x 16	35.4	28
♦ x 19	42.1	24
200 x 200 x 13	40.0	25
x 16	48.7	21
♦ x 18	54.4	18
♦ x 20	60.1	17
♦ x 26	76.8	13

JIS3101 SS400 VARIOUS LENGTHS 6, 9, 12 METRES

SIZE MM X MM X MM	MASS KG/M	METRES PER TONNE
20 x 20 x 3	0.95	1053
60 x 60 x 6	5.42	184
80 x 80 x 6	7.34	136
x 8	9.63	103

♦ These items are not commonly stocked but are available on indent.
A minimum order quantity may apply on some sizes.

ANGLES – UNEQUAL

AS/NZS 3679 G300 VARIOUS LENGTHS 6, 9, 12 METRES

SIZE MM X MM X MM	MASS KG/M	METRES PER TONNE
♦ 65 x 50 x 5	4.02	249
x 6	5.16	194
♦ x 8	6.59	152
75 x 50 x 5	4.40	227
x 6	5.66	177
♦ x 8	7.23	139
100 x 75 x 6	7.98	125
x 8	10.3	97
x 10	12.4	81
125 x 75 x 6	9.16	109
x 8	11.8	85
x 10	14.2	70
♦ x 12	17.7	57
150 x 90 x 8	14.3	70
x 10	17.3	58
x 12	21.6	46
♦ x 16	27.9	36
150 x 100 x 10	18.0	56
x 12	22.5	44

CHANNELS

AS/NZS 3679 G300 VARIOUS LENGTHS 6, 9, 10.5, 12, 13.5, 15 METRES

SIZE MM X MM	MASS KG/M	METRES PER TONNE
50 x 25 (2" x 1")	4.50 (3.83)	222 (281)
75 x 40	5.92	169
100 x 50	8.33	120
125 x 60	11.9	84.0
150 x 75	17.7	56.5
180 x 75	20.9	47.9
200 x 75	22.9	5\43.7
230 x 75	25.1	39.8
250 x 90	35.5	28.2
300 x 90	40.1	24.9
380 x 100	55.2	18.1

CHANNELS, UNIVERSAL COLUMNS AND BEAMS

AS/NZS 3679 G300
AS/NZS 3679 G300 SO (SEISMIC)

CHANNEL

	K/M	6M	9M	10.5M	12M	13.5M	15M	16.5M	18M
150 x 75	17.7							♦	♦
180 x 75	20.9					♦		♦	♦
200 x 75	22.9							♦	♦
230 x 75	25.1	♦				♦		♦	♦
250 x 90	35.5	♦							
300 x 90	40.1	♦							
380 x 100	55.2	♦		♦		♦			♦

UNIVERSAL COLUMNS

	K/M	6M	9M	10.5M	12M	13.5M	15M	16.5M	18M
100 UC15	14.8	♦	♦	♦		♦		♦	♦
150UC23	21.4	♦		♦		♦		♦	♦
150UC30	30	♦		♦		♦		♦	♦
150UC37	37.2	♦	♦	♦		♦		♦	
▲ 200UC46	46.2	♦	♦	♦		♦		♦	
▲ 200UC52	52.2	♦	♦	♦		♦		♦	
▲ 200UC60	59.5	♦	♦	♦		♦		♦	
▲ 250UC73	72.9	♦	♦	♦		♦		♦	
▲ 250UC89	89.5	♦	♦	♦		♦		♦	
▲ 310UC97	96.8	♦	♦	♦		♦		♦	
▲ 310UC118	118	♦	♦	♦		♦	♦	♦	
▲ 310UC137	137	♦	♦	♦		♦	♦	♦	
▲ 310UC158	158	♦	♦	♦		♦	♦	♦	

UNIVERSAL BEAMS

	K/M	6M	9M	10.5M	12M	13.5M	15M	16.5M	18M
150UB14	14	♦		♦		♦		♦	♦
150UB18	18	♦		♦		♦		♦	♦
180UB16	16.1	♦	♦	♦	♦	♦	♦	♦	♦
180UB18	18.1	♦		♦		♦		♦	♦
180UB22	22.2	♦		♦		♦		♦	♦
200UB18	18.2	♦		♦		♦		♦	♦
200UB22	22.3	♦	♦	♦		♦		♦	
200UB25	25.4	♦	♦			♦		♦	
200UB30	29.8	♦	♦	♦		♦		♦	
250UB26	25.7	♦	♦			♦		♦	
250UB31	31.4	♦							
250UB37	37.3	♦	♦					♦	
310UB32	32	♦	♦	♦		♦		♦	
310UB40	40.4	♦	♦						
310UB46	46.2	♦	♦	♦		♦		♦	
▲ 360UB45	44.7	♦	♦			♦		♦	
▲ 360UB51	50.7	♦	♦	♦		♦		♦	
▲ 360UB57	56.7	♦	♦	♦		♦		♦	
▲ 410UB54	53.7	♦	♦	♦		♦			
▲ 410UB60	59.7	♦	♦	♦		♦		♦	
▲ 460UB67	67.1	♦	♦	♦		♦			
▲ 460UB74	74.6	♦	♦	♦		♦		♦	
▲ 460UB82	82.1	♦	♦	♦		♦		♦	
▲ 530UB82	82	♦	♦	♦		♦		♦	
▲ 530UB92	92.4	♦	♦	♦		♦		♦	
▲ 610UB101	101	♦	♦	♦		♦		♦	
▲ 610UB113	113	♦	♦	♦		♦		♦	
▲ 610UB125	125	♦	♦	♦		♦	♦	♦	

♦ These items are not commonly stocked but are available on indent. A minimum order quantity may apply on some sizes.

▲ New Zealand Design Standard NZS 3404 Clause 12.4.1.1 requires steel in seismic-resisting systems to comply with this range – Steel 300 SO.

BUNDLE CONFIGURATIONS – STRUCTURAL SECTIONS

CHANNELS

	KG/M	6.0-9.0 M	9.1-10.5 M	10.6-12.0 M	12.1-13.5 M	13.6-15.0 M	15.1-16.5 M	16.6-18.0 M
150 PFC	17.7	30	24	20	20	16	16	12
180 PFC	20.9	24	20	16	16	12	12	12
200 PFC	22.9	24	20	16	16	12	12	12
230 PFC	25.1	20	16	16	12	12	12	10
250 PFC	35.5	12	12	8	8	8	8	8
300 PFC	40.1	12	8	8	8	8	6	6
380 PFC	55.2	10	8	6	6	6	4	4

ANGLES

	KG/M	6.0-9.0M	9.1-10.5M	10.6-12.0M	12.1-13.5M	13.6-15.0M
125 x 125 x 8	14.9	36	30	26	21	21
125 x 125 x 10	18.0	30	25	22	18	18
125 x 125 x 12	22.5	24	20	18	14	14
125 x 125 x 16	29.1	19	16	14	11	11
150 x 90 x 8	14.3	36	30	27	21	21
150 x 90 x 10	17.3	32	27	24	19	19
150 x 90 x 12	21.6	24	21	18	15	15
150 x 90 x 16	27.9	19	16	14	11	11
150 x 100 x 10	18.0	30	25	22	18	18
150 x 100 x 12	22.5	24	20	18	14	14
150 x 150 x 10	21.9	25	21	18	15	15
150 x 150 x 12	27.3	20	16	15	12	12
150 x 150 x 16	35.4	15	13	11	9	9
150 x 150 x 19	42.1	13	11	9	7	7
♦ 200 x 200 x 13	40.0	13	11	10	8	8
200 x 200 x 16	48.7	11	9	8	6	6
200 x 200 x 18	54.4	10	8	7	6	6
♦ 200 x 200 x 20	60.1	9	7	6	5	5
♦ 200 x 200 x 26	76.8	7	6	5	4	4

UNIVERSAL COLUMNS

	KG/M	6.0-9.0 M	9.1-10.5 M	10.6-12.0 M	12.1-13.5 M	13.6-15.0 M	15.1-16.5 M	16.6-18.0 M	20.0 M
100 UC	14.8	36	28	24	24	21	18	16	
150 UC	23.4	21	18	15	15	12	12	10	
	30	18	15	12	12	10	10	8	
	37.2	12	12	10	8	8	8	6	
200 UC	46.2	12	10	8	8	6	6	6	
	52.2	10	8	6	6	6	5	5	
	59.5	8	8	6	6	5	5	4	
250 UC	72.9	6	6	4	4	4	4	3	3
	89.5	6	4	4	4	3	3	3	2
310 UC	96.8	3	3	3	3	3	3	2	2
	118	3	3	3	3	2	2	2	
	137	3	3	3	2	2	2	2	
	158	3	2	2	2	2	1	1	

♦ These items are not commonly stocked but are available on indent.
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UNIVERSAL BEAMS

	KG/M	6.0-9.0 M	9.1-10.5 M	10.6-12.0 M	12.1-13.5 M	13.6-15.0 M	15.1-16.5 M	16.6-18.0 M	20.0 M
150 UB	14.0	36	30	24	24	20	20	16	
	18.0	30	24	20	18	16	16	14	
180 UB	16.1	30	24	20	18	16	16	14	
	18.1	30	24	20	18	16	16	14	
	22.2	24	20	16	16	14	12	12	
200 UB	18.2	30	24	22	18	18	16	14	
	22.3	18	18	18	16	14	12	12	
	25.4	18	18	16	14	12	10	10	
	29.8	18	16	12	12	10	10	8	
250 UB	25.7	20	18	16	14	12	10	10	
	31.4	16	14	12	10	10	8	8	
	37.3	14	12	10	8	8	8	7	
310 UB	32.0	16	14	12	10	10	8	8	
	40.4	12	10	10	8	8	6	6	6
	46.2	12	10	8	8	7	6	6	5
360 UB	44.7	12	10	7	7	7	6	6	5
	50.7	10	7	7	7	6	5	5	4
	56.7	7	7	7	6	5	5	4	4
410 UB	53.7	10	7	6	6	6	5	5	4
	59.7	7	7	6	6	5	5	4	4
460 UB	67.1	6	6	6	5	4	4	4	3
	74.6	6	6	5	4	4	4	3	3
	82.1	6	5	5	4	4	3	3	3
530 UB	82.0	5	5	5	4	4	3	3	3
	92.4	5	5	4	4	3	3	3	1
610 UB	101.0	4	4	3	3	3	3	1	1
	113.0	4	4	3	3	1	1	1	1
	125.0	4	3	3	1	1	1	1	1

PLATE

THICKNESS MM	MASS KG/M	PLATE KG	WIDTH	LENGTH	AS/NZS 3678 G250	AS/NZS 3678 G300	AS/NZS 3678 G350	AS/NZS 1594 HW350 CORROSION	AS/NZS 1594 HA1 CHEQUER	AS/NZS 1548/7/460R BOILER	G80	G400
3	23.55	68.95	1220	2400		◆	◆	◆		◆	◆	◆
		73.59	1250	2500	◆	◆	◆		◆	◆	◆	◆
		86.19	1220	3000		◆	◆	◆	◆	◆	◆	◆
		103.43	1220	3600		◆	◆	◆	◆	◆	◆	◆
		106.00	1250	3600	◆	◆	◆		◆	◆	◆	◆
			1220	Cut to length		◆	◆	◆	◆	◆	◆	◆
		107.38	1520	3000		◆	◆	◆	◆	◆	◆	◆
		128.86	1520	3600		◆	◆	◆		◆	◆	◆
			1520	Cut to length		◆	◆	◆	◆	◆	◆	◆
4	31.40	152.60	1800	3600		◆	◆	◆	◆	◆	◆	◆
		254.30	1800	6000		◆	◆	◆	◆	◆	◆	◆
		91.93	1220	2400		◆	◆	◆		◆	◆	◆
		98.12	1250	2500	◆	◆	◆		◆	◆	◆	◆
5	39.25	143.18	1520	3000		◆	◆	◆	◆	◆	◆	◆
		171.82	1520	3600		◆	◆	◆	◆	◆	◆	◆
		338.12	1800	6000		◆	◆	◆	◆	◆	◆	◆
		114.92	1220	2400		◆	◆	◆		◆	◆	◆
6	47.10	122.65	1250	2500	◆	◆	◆		◆	◆	◆	◆
		178.98	1520	3000		◆	◆	◆	◆	◆	◆	◆
		214.77	1520	3600		◆	◆	◆		◆	◆	◆
		357.96	1520-1550	6000		◆		◆	◆	◆		◆
8	62.80	254.34	1800	3600		◆	◆	◆	◆	◆	◆	◆
		423.90	1800	6000		◆	◆	◆	◆	◆	◆	◆
		565.20	2400	6000		◆	◆	◆	◆	◆	◆	◆
		137.90	1220	2400		◆	◆	◆		◆	◆	◆
10	78.50	147.18	1250	2500	◆	◆	◆		◆	◆	◆	◆
		257.76	1520	3600		◆	◆	◆	◆	◆	◆	◆
		429.55	1520	6000			◆	◆	◆	◆	◆	◆
		305.20	1800	3600		◆	◆	◆	◆	◆	◆	◆
12	94.20	508.68	1800	6000		◆	◆	◆	◆	◆	◆	◆
		678.24	2400	6000			◆	◆		◆	◆	◆
		702.26	2485	6000	◆	◆	◆	◆	◆	◆		◆
		859.10	2400	7600		◆	◆	◆	◆	◆	◆	◆
16	125.60	1017.40	2400	9000		◆	◆	◆	◆	◆	◆	◆
		183.87	1220	2400		◆	◆	◆		◆	◆	◆
		572.73	1520-1550	6000			◆	◆	◆	◆	◆	◆
		502.40	2000	4000	◆	◆		◆	◆	◆	◆	◆
12	94.20	572.73	2400	6000			◆	◆	◆	◆	◆	◆
		936.34	2485	6000	◆	◆	◆	◆	◆	◆		◆
		229.84	1220	2400		◆	◆	◆		◆	◆	◆
		429.55	1520	3600		◆	◆	◆	◆	◆	◆	◆
10	78.50	715.92	1520	6000	◆		◆	◆	◆	◆	◆	◆
		628.00	2000	4000	◆	◆		◆	◆	◆	◆	◆
		1130.40	2400	6000			◆	◆	◆	◆	◆	◆
		1170.43	2485	6000	◆	◆	◆	◆	◆	◆		◆
12	94.20	1695.60	2400	9000		◆	◆	◆	◆	◆	◆	◆
		275.81	1220	2400		◆	◆	◆		◆	◆	◆
		515.46	1520	3600		◆	◆	◆	◆	◆	◆	◆
		859.10	1520	6000	◆	◆		◆	◆	◆	◆	◆
16	125.60	1288.65	1520	9000	◆	◆	◆	◆	◆	◆	◆	◆
		753.60	2000	4000	◆	◆		◆	◆	◆	◆	◆
		1356.48	2400	6000			◆	◆	◆	◆	◆	◆
		1404.52	2485	6000	◆	◆	◆	◆	◆	◆		◆
16	125.60	2034.72	2400	9000		◆	◆	◆	◆	◆	◆	◆
		367.75	1220	2400		◆	◆	◆		◆	◆	◆
		687.28	1520	3600			◆	◆	◆	◆	◆	◆
		1145.47	1520	6000	◆	◆	◆	◆	◆	◆	◆	◆
16	125.60	2577.29	1520	7200	◆	◆		◆	◆	◆	◆	◆
		1004.80	2000	4000	◆	◆		◆	◆	◆	◆	◆
		1808.64	2400	6000			◆	◆	◆	◆	◆	◆
		1872.69	2485	6000	◆	◆	◆	◆	◆	◆	◆	◆

◆ These items are not stocked.

- Processed plate – Steel & Tube offer all the above sizes and grades ex stock from processed plate.
- Weight calculation – kilograms per square metre = plate thickness (mm) x 7.85.

PLATE

THICKNESS MM	MASS KG/M	PLATE KG	WIDTH	LENGTH	AS/NZS 3678 G250	AS/NZS 3678 G300	AS/NZS 3678 G350	AS/NZS 1594 HW350 CORROSION	AS/NZS 1594 HA1 CHEQUER	AS/NZS 1548/7/460R BOILER	G80	G400
20	157.00	459.68	1220	2400		◆	◆	◆	◆	◆	◆	◆
		859.10	1520	3600		◆		◆	◆	◆	◆	◆
		1374.56	1520	7200	◆	◆		◆	◆	◆	◆	◆
		1256.00	2000	4000	◆	◆		◆	◆	◆	◆	◆
		2260.80	2400	6000				◆	◆		◆	◆
		2340.00	2485	6000	◆	◆	◆	◆	◆	◆		
25	196.25	574.62	1220	2400		◆	◆	◆	◆	◆	◆	◆
		1073.88	1520	3600		◆		◆	◆	◆	◆	◆
		1789.80	1520	6000	◆		◆	◆	◆	◆	◆	◆
		2147.76	1520	7200	◆	◆		◆	◆	◆	◆	◆
		1570.00	2000	4000	◆	◆		◆	◆	◆	◆	◆
		2826.00	2400	6000				◆	◆		◆	◆
32	251.20	2926.08	2485	6000	◆	◆	◆	◆	◆	◆		
		735.51	1220	2400		◆	◆	◆	◆	◆	◆	◆
		2749.13	1520	7200	◆	◆		◆	◆	◆	◆	◆
		2009.60	2000	4000	◆	◆		◆	◆	◆	◆	◆
40	314.00	3617.28	2400	6000				◆	◆		◆	◆
		3745.39	2485	6000	◆	◆	◆	◆	◆	◆		
					◆	◆	◆	◆	◆	◆		
		919.39	1220	2400		◆	◆	◆	◆	◆	◆	◆
50	392.50	2512.00	2000	4000	◆	◆	◆		◆	◆	◆	◆
		4521.60	2400	6000				◆	◆	◆	◆	◆
					◆	◆	◆	◆	◆	◆		
60	471.00	1149.24	1220	2400		◆	◆	◆	◆	◆	◆	◆
		3140.00	2000	4000	◆	◆	◆		◆	◆	◆	◆
		5652.00	2400	6000		◆	◆	◆	◆	◆	◆	◆
65	510.25				◆	◆	◆	◆	◆	◆		
80	628.00	6782.40	2400	6000		◆		◆	◆	◆	◆	◆
		7347.60	2400	6000		◆		◆	◆	◆	◆	◆
100	785.00	9043.20	2400	6000		◆		◆	◆	◆	◆	◆
					◆	◆	◆	◆	◆	◆		
120	942.00					◆	◆	◆	◆	◆	◆	◆
130	1020.50					◆	◆	◆	◆	◆	◆	◆
150	1177.14					◆	◆	◆	◆	◆	◆	◆
200	1570.00					◆	◆	◆	◆	◆	◆	◆

◆ These items are not stocked.

- Processed plate – Steel & Tube offer all the above sizes and grades ex stock from processed plate.
- Weight calculation – kilograms per square metre = plate thickness (mm) x 7.85.

PLATE PROCESSING

Highly economical nest through common line cutting, saving scrap.

- ▶ High speed drilling
- ▶ Part and line marking
- ▶ High speed cutting improving productivity
- ▶ Part handling system increasing cutting time
- ▶ Tapping
- ▶ Countersinking
- ▶ Face milling – End milling

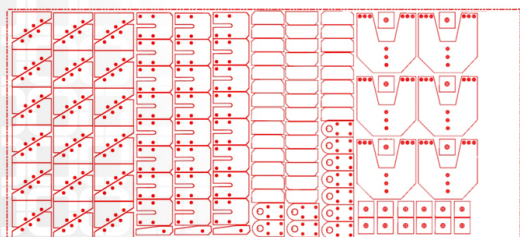


PLATE APPLICATIONS

- Structural building
- Bridge components
- Wind tower components
- Milling equipment
- Earthmoving equipment
- Trailer parts
- Conveyor components
- Farm equipment parts
- General equipment

EQUIPMENT SPECIFICATION

Plasma cutting thickness	3mm – 50mm
Oxy cutting thickness	Up to 200mm
Drilling	Full Range
Tapping	Up to 75mm
Part marking thickness	Up to 75mm
Guillotining	3.60m wide
Folding	325 tn break press

SQUARE HOLLOW SECTIONS

AS/NZS 1163 C350LO OR AS/NZS 1163 C350LO/C450LO

SIZE MM X MM X MM	MASS KG/M	BLACK PAINTED	DURAGAL	METRES PER TONNE	LENGTH/ PACK	
					STANDARD	
					6.5M	8.0M
20 x 20 x 1.6	0.873	◆	◆	1150	96	
x 2.0	1.05	◆		953	96	
25 x 25 x 1.6	1.12	◆		890	100	
x 2.0	1.36	◆		733	100	
x 2.5	1.64			610	100	
x 3.0	1.89		◆	529	100	
30 x 30 x 1.6	1.38	◆		727		100
x 2.0	1.68			596		100
x 2.5	2.03	◆	◆	492		100
x 3.0	2.36		◆	423		64
35 x 35 x 1.6	1.63	◆	◆	615		100
x 2.0	1.99		◆	502		100
x 2.5	2.42			412		64
x 3.0	2.83		◆	353		64
40 x 40 x 1.6	1.88	◆		533		81
x 2.0	2.31			434		81
x 2.5	2.82			355		64
x 3.0	3.30			303		64
x 4.0	4.09		◆	244		49
50 x 50 x 1.6	2.38	◆		420		64
x 2.0	2.93			300		64
x 2.5	3.60			278		49
x 3.0	4.25			236		49
x 4.0	5.35			187		36
x 5.0	6.39			156		30
x 6.0	7.32		◆	137		25
65 x 65 x 1.6	3.13	◆	◆	319		49
x 2.0	3.88	◆	◆	258		42
x 2.5	4.78			209		42
x 3.0	5.66			177		36
x 4.0	7.23			138		30
x 5.0	8.75		◆	114		25
x 6.0	10.1		◆	98.6		20
75 x 75 x 2.0	4.50	◆	◆	222		36
x 2.5	5.56	◆		180		30
x 3.0	6.60			152		30
x 3.5	7.53	◆	◆	133		25
x 4.0	8.49			118		25
x 5.0	10.3			96.9		20
x 6.0	12.0		◆	83.1		16
89 x 89 x 2.0	5.38	◆	◆	186		20
x 3.5	9.07			110		20
x 5.0	12.5			80.0		16
x 6.0	14.7		◆	68.3		12
90 x 90 x 2.0	5.45	◆	◆	184		20
x 2.5	6.74	◆	◆	148		20

◆ These items are not stocked.

SIZE MM X MM X MM	MASS KG/M	BLACK PAINTED	DURAGAL	METRES PER TONNE	LENGTH/ PACK	
					STANDARD	
					8.0M	12M
100 x 100 x 2.0	6.07	◆	◆	165	20	20
x 2.5	7.53	◆	◆	133	20	
x 3.0	8.96			112	20	16
x 4.0	11.6			86.0	16	12
x 5.0	14.2			70.2	12	9
x 6.0	16.7		◆	59.7	12	9
x 8.0	21.4	◆	◆	46.7	9	6
x 9.0	23.5		◆	42.5	9	6
x 10.0	25.6	◆	◆	39.0		6
125 x 125 x 4.0	14.8		◆	67.7	12	9
x 5.0	18.2		◆	55.0	12	9
x 6.0	21.4		◆	46.6	9	6
x 8.0	27.7	◆	◆	36.1	6	4
x 9.0	30.6		◆	32.7	8	4
x 10.0	33.4	◆	◆	29.9		4
150 x 150 x 5.0	22.1		◆	45.3	9	6
x 6.0	26.2		◆	38.2	6	6
x 8.0	33.9	◆	◆	29.5	6	4
x 9.0	37.7		◆	26.6	6	4
x 10.0	41.3	◆	◆	24.2		2
200 x 200 x 5.0	29.9		◆	33.4	6	4
x 6.0	35.6		◆	28.1	4	4
x 8.0	46.5	◆	◆	21.5	4	2
x 9.0	51.8		◆	19.3	4	2
x 10.0	57.0	◆	◆	17.6		2
x 12.5	69.4	◆	◆	14.4		2
x 16.0	85.5	◆	◆	11.7		1
250 x 250 x 6.0	45.0		◆	22.2	4	2
x 8.0	59.1	◆	◆	16.9	4	2
x 9.0	65.9		◆	15.2	2	2
x 10.0	72.7	◆	◆	13.8		2
x 12.5	89.0	◆	◆	11.2		1
x 16.0	111	◆	◆	9.04		1
300 x 300 x 8.0	71.6	◆	◆	14.0		1
x 10.0	88.4	◆	◆	11.3		1
x 12.5	109	◆	◆	9.21		1
x 16.0	136	◆	◆	7.36		1
350 x 350 x 8.0	84.2	◆	◆	11.9		1
x 10.0	104	◆	◆	9.61		1
x 12.5	128	◆	◆	7.80		1
x 16.0	161	◆	◆	6.21		1
400 x 400 x 10.0	120	◆	◆	8.35		1
x 12.5	148	◆	◆	6.76		1
x 16.0	186	◆	◆	5.38		1

RECTANGULAR HOLLOW SECTIONS

AS/NZS 1163 C350LO OR AS/NZS 1163 C350LO/C450LO

SIZE MM X MM X MM	MASS KG/M	BLACK PAINTED	DURAGAL	METRES PER TONNE	LENGTH/ PACK	
					STANDARD	
					8.0M	12M
50 x 20 x 1.6	1.63	◆	◆	615	96	
x 2.0	1.99	◆	◆	502	96	
x 2.5	2.42	◆	◆	412	72	
x 3.0	2.83	◆	◆	353	72	
50 x 25 x 1.6	1.75			571	96	
x 2.0	2.15		◆	465	96	
x 2.5	2.62			382	72	
x 3.0	3.07			326	60	
65 x 35 x 2.0	2.93	◆	◆	341	54	
x 2.5	3.60			278	54	
x 3.0	4.25			236	45	
x 4.0	5.35		◆	187	45	
75 x 25 x 1.6	2.38	◆	◆	420	65	
x 2.0	2.93	◆	◆	341	65	
x 2.5	3.60			278	48	
75 x 50 x 1.6	3.01	◆	◆	332	54	54
x 2.0	3.72			269	42	42
x 2.5	4.58		◆	218	42	
x 3.0	5.42			184	35	24
x 4.0	6.92			145	28	24
x 5.0	8.35			120	24	
x 6.0	9.67		◆	103	20	16
75 x 40 x 2.5	4.18		◆	239	45	
x 3.0	4.95		◆	202	40	
x 4.0	6.29		◆	159	32	
100 x 50 x 1.6	3.64	◆	◆	275	32	32
x 2.0	4.50	◆	◆	222	32	32
x 2.5	5.56			180	32	24
x 3.0	6.60			152	32	24
x 3.5	7.53			133	24	18
x 4.0	8.49			118	24	18
x 5.0	10.3			96.9	18	15
x 6.0	12.0		◆	83.1	15	12
102 x 76 x 3.5	9.07		◆	110	20	
x 5.0	12.5		◆	79.9	16	
x 6.0	14.7		◆	68.2	12	
125 x 75 x 2.0	6.07	◆	◆	165	24	
x 2.5	7.53	◆	◆	133	24	20
x 3.0	8.96			112	20	20
x 4.0	11.6			86.0	15	15
x 5.0	14.2			70.2	15	12
x 6.0	16.7		◆	59.7	12	6
127 x 51 x 3.5	9.07		◆	110	21	
x 5.0	12.5		◆	79.9	18	
x 6.0	14.7	◆	◆	68.2	14	

◆ These items are not stocked.

SIZE MM X MM X MM	MASS KG/M	BLACK PAINTED	DURAGAL	METRES PER TONNE	LENGTH/ PACK	
					STANDARD	
					8.0M	12M
150 x 50 x 2.0	6.07	◆	◆	165	21	21
x 2.5	7.53	◆	◆	133	24	
x 3.0	8.96	◆		112	21	15
x 4.0	11.6		◆	86.0	15	15
x 5.0	14.2			70.2	15	9
x 6.0	16.7		◆	59.7	15	9
150 x 100 x 4.0	14.8		◆	67.7	12	9
x 5.0	18.2		◆	55.0	12	8
x 6.0	21.4		◆	46.6	9	6
x 8.0	27.7	◆	◆	36.1	6	4
x 9.0	30.6		◆	32.7	6	4
x 10.0	33.4	◆	◆	29.9		4
152 x 76 x 5.0	16.4		◆	60.7	12	12
x 6.0	19.4		◆	51.5	9	9
200 x 100 x 4.0	17.9		◆	55.8	8	6
x 5.0	22.1		◆	45.3	8	6
x 6.0	26.2		◆	38.2	8	4
x 8.0	33.9	◆	◆	29.5	6	4
x 9.0	37.7		◆	26.6	6	4
x 10.0	41.3	◆	◆	24.2		2
250 x 150 x 5.0	29.9		◆	33.4	6	4
x 6.0	35.6		◆	28.1	4	4
x 8.0	46.5	◆	◆	21.5	4	2
x 9.0	51.8		◆	19.3	4	2
x 10.0	57.0	◆	◆	17.6		2
x 12.5	69.4	◆	◆	14.4		2
x 16.0	85.5	◆	◆	11.7		1
300 x 200 x 6.0	45.0	◆	◆	22.2		2
x 8.0	59.1	◆	◆	16.9		2
x 10.0	72.7	◆	◆	13.8		2
x 12.5	89.0	◆	◆	11.2		1
x 16.0	111	◆	◆	9.04		1
350 x 250 x 6.0	54.4	◆	◆	18.4		2
x 8.0	71.6	◆	◆	14.0		2
x 10.0	88.4	◆	◆	11.3		1
x 12.5	109	◆	◆	9.21		1
x 16.0	136	◆	◆	7.36		1
400 x 200 x 8.0	71.6	◆	◆	14.0		2
x 10.0	88.4	◆	◆	11.3		1
x 12.5	109	◆	◆	9.21		1
x 16.0	136	◆	◆	7.36		1
400 x 300 x 8.0	84.2	◆	◆	11.9		1
x 10.0	104	◆	◆	9.61		1
x 12.5	128	◆	◆	7.80		1
x 16.0	161	◆	◆	6.21		1

GASLIST PIPE – GALVANISED, BLACK, PRIMED

AS1074 6.5 METRES

NOMINAL BORE	OD MM	THICKNESS MM	MASS KG/M	GALV	BLACK	PRIMED	LENGTH/PACK STD 6.5M
8nb Heavy	13.5	2.9	0.77	◆		◆	
10nb Medium	17.2	2.3	0.85	◆	◆		
10nb Heavy	17.2	2.9	1.02	◆		◆	
15nb Light	21.3	2.0	0.95			◆	217
15nb Medium	21.3	2.6	1.22				217
15nb Heavy	21.3	3.2	1.45	◆		◆	217
20nb Extra Light	26.9	2.0	1.23		◆	◆	127
20nb Light	26.9	2.3	1.40		◆	◆	127
20nb Medium	26.9	2.6	1.56				127
20nb Heavy	26.9	3.2	1.90	◆		◆	127
25nb Extra Light	33.7	2.0	1.56		◆	◆	91
25nb Light	33.7	2.6	1.99			◆	91
25nb Medium	33.7	3.2	2.41				91
25nb Heavy	33.7	4.0	2.97	◆		◆	91
32nb Extra Light	42.4	2.0	1.99		◆	◆	61
32nb Light	42.4	2.6	2.58			◆	61
32nb Medium	42.4	3.2	3.14				61
32nb Heavy	42.4	4.0	3.84	◆		◆	61
40nb Extra Light	48.3	2.3	2.61		◆	◆	61
40nb Light	48.3	2.9	3.25			◆	61
40nb Medium	48.3	3.2	3.61				61
40nb Heavy	48.3	4.0	4.43	◆		◆	61
50nb Extra Light	60.3	2.3	3.29		◆	◆	37
50nb Light	60.3	2.9	4.11			◆	37
50nb Medium	60.3	3.6	5.10				37
50nb Heavy	60.3	4.5	6.17	◆		◆	37
65nb Light	76.1	3.2	5.75	◆	◆	◆	37
65nb Medium	76.1	3.6	6.51				37
65nb Heavy	76.1	4.5	7.90	◆		◆	37
80nb Light	88.9	3.2	6.76	◆	◆	◆	19
80nb Medium	88.9	4.0	8.47				19
80nb Heavy	88.9	4.9	10.10	◆		◆	19
100nb Light	114.3	3.6	9.83	◆	◆	◆	19
100nb Medium	114.3	4.5	12.10				19
100nb Heavy	114.3	5.4	14.50	◆		◆	19
125nb Medium	139.7	4.88	16.20				13
125nb Heavy	139.7	5.4	17.00	◆		◆	13
150nb Medium	165.1	4.88	19.20				10
150nb Heavy	165.1	5.4	21.30	◆		◆	10

◆ These items are not commonly stocked but are available on indent. A minimum order quantity may apply on some sizes.

LINEPIPE API/C350LO/SEAMLESS

VARIOUS LENGTHS

NOMINAL BORE	OD MM	THICKNESS MM	MASS KG/M	API	C350LO	SEAMLESS
15nb x S40	21.3	2.77	1.26	◆	◆	
15nb x S80	21.3	3.73	1.62	◆	◆	
20nb x S40	26.7	2.90	1.68	◆	◆	
20nb x S80	26.7	3.91	2.19	◆	◆	
25nb x S40	33.4	3.38	2.50	◆	◆	
25nb x S80	33.4	4.55	3.23	◆	◆	
32nb x S40	42.4	3.56	3.38	◆	◆	
32nb x S80	42.4	4.85	4.47	◆	◆	
40nb x S40	48.3	3.68	4.05	◆	◆	
40nb x S80	48.3	5.08	5.41	◆	◆	
50nb x S40	60.3	3.91	5.44		◆	
50nb x S80	60.3	5.54	7.48	◆	◆	
65nb x S40	73	5.16	8.62		◆	
65nb x S80	73	7.01	11.41	◆	◆	
80nb x S40	88.9	5.49	11.29		◆	
80nb x S80	88.9	7.62	15.27	◆		
100nb x S40	114.3	6.02	16.07			
100nb x S80	114.3	8.56	22.31	◆	◆	
125nb x S40	141.3	6.55	21.78			
125nb x S80	141.3	9.53	30.94	◆	◆	
150nb x 4.78	168.3	4.78	19.28		◆	◆
150nb x 6.35	168.3	6.35	25.60			◆
150nb x S40	168.3	7.11	28.23	◆		
150nb x S80	168.3	10.97	42.56	◆	◆	
200nb x 4.78	219.1	4.78	25.21			◆
200nb x S20	219.1	6.35	33.31			◆
200nb x S40	219.1	8.18	42.53			
200nb x S80	219.1	12.70	64.30			
250nb x S20	273	6.35	41.77			◆
250nb x S40	273	9.27	60.29			
300nb x S20	323.8	6.35	49.40			◆
300nb x S40	323.8	9.52	73.70			
350nb x 6.35	355.6	6.35	63.10			◆
350nb x S40	355.6	9.53	81.18			◆
400nb x 6.35	406.4	6.35	93.20			◆
400nb x S40	406.4	9.53	93.00			◆
500nb x 6.35	508	6.35	79.17			◆
500nb x S40	508	9.35	117.06			◆
600nb x 6.35	508	6.35	79.17	◆		◆

BOILER TUBE

6 METRES

OD MM	THICKNESS MM	MASS KG/M
25.4	3.25	1.77
25.4	6.30	2.97
31.8	2.90	2.07
31.8	6.30	3.95
38	2.90	2.50
38	6.30	4.92
44.5	3.20	3.25
44.5	6.30	5.94
51	3.20	3.77

OD MM	THICKNESS MM	MASS KG/M
51	6.30	6.94
57	6.3	7.88
63.5	3.2	4.76
63.5	6.3	8.89
76.1	6.3	10.80
76.1	8.0	13.39
101.6	6.3	14.79
101.6	8.0	18.50

LINEPIPE GRADES

SEAMLESS ASTM A106 GRADE B

Applications – typically pressure pipe and manufacturing.

ERW API 5LB

Applications – typically pressure pipe, manufacturing, general engineering and irrigation.

DUAL GRADE AS/NZS1163 C350LO/API 5LB

Applications – structural sections, pressure pipe, general engineering, irrigation, manufacturing, well drilling.

Steel & Tube's dual grade linepipe can be used as a structural and pressure pipe and supplied with full compliance test certification to AS/NZS 1163 C350LO.

IDENTIFICATION OF TUBE WALL THICKNESSES

NOM PIPE MM	OD MM	SCHEDULE			STD WT	SCHEDULE		EXTRA STRONG	80	100	SCHEDULE		160	DOUBLE EXTRA STRONG	NOM PIPE MM
		10	20	30		40	60				120	140			
6	10.3				1.73	1.73		2.41	2.41						6
8	13.7				2.24	2.24		3.02	3.02						8
10	17.1				2.31	2.31		3.20	3.20						10
15	21.3				2.77	2.77		3.73	3.73				4.78	7.47	15
20	26.7	2.11			2.87	2.87		3.91	3.91				5.56	7.82	20
25	33.4	2.77			3.38	3.38		4.55	4.55				6.35	9.09	25
32	42.2	2.77			3.56	3.56		4.85	4.85				6.35	9.70	32
40	48.3	2.77			3.68	3.68		5.08	5.08				7.14	10.15	40
50	60.3	2.77			3.91	3.91		5.54	5.54				8.74	11.07	50
65	73.0	3.05			5.16	5.16		7.01	7.01				9.53	14.02	65
80	88.9	3.05			5.49	5.49		7.62	7.62				11.13	15.24	80
100	114.3	3.05			6.02	6.02		8.56	8.56		11.13		13.49	17.12	100
125	141.3	3.40			6.55	6.55		9.53	9.53		12.70		15.88	19.05	125
150	168.3				7.11	7.11		10.97	10.97		14.27		18.26	21.95	150
200	219.1		6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23	200
250	273.0		6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40	250
300	323.8		6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.34	25.40	300
350	355.6	6.35	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.82	27.79	31.75	35.71		350
400	406.4	6.35	7.92	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49		400
450	457.2	6.35	7.92	11.13	9.53	14.27	19.05	12.70	23.83	29.36	34.93	39.67	45.24		450
500	508.0	6.35	9.53	12.70	9.53	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01		500
550	558.8	6.35	9.53	12.70	9.53	15.88	22.23	12.70	28.58	34.93	41.28	47.63	53.98		550
600	609.6	6.35	9.53	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54		600
650	660.4	7.92	12.70		9.53			12.70							650
700	711.2	7.92	12.70	15.88	9.53			12.70							700
750	762.0	7.92	12.70	15.88	9.53			12.70							750
800	812.8	7.92	12.70	15.88	9.53	17.48		12.70							800
850	863.6	7.92	12.70	15.88	9.53	17.48		12.70							850
900	914.1	7.92	12.70	15.88	9.53	19.05		12.70							900

SHEET

GALVANISED/ZINCALUME

SIZE	THICKNESS MM	SHEET KG	GALVANISED	ZINCALUME
2400 x 900	0.4	7.37		◆
2400 x 1200	0.4	9.83		
2400 x 900	0.55	9.19		
2400 x 1200	0.55	13.22		
2438 x 1219	0.55	13.64		◆
2440 x 1520	0.55	17.36		◆
2400 x 900	0.75	13.31		◆
2400 x 1200	0.75	17.74		
2438 x 1219	0.75	18.31		◆
2440 x 1520	0.75	22.93		◆
2400 x 1200	0.95	22.23		
2440 x 1520	0.95	29.13		◆
2400 x 1200	1.15	27.03		◆
2440 x 1520	1.15	34.90		◆
2400 x 1200	1.55	35.71		◆
2400 x 1200	2.0	46.08		◆
2400 x 1200	2.5	56.52		◆
2400 x 1200	3.0	67.83		◆

COLD-ROLLED/ELECTROGALV/ENAMELLING/ALUMINISED/HOT-ROLLED

SIZE	SIZE	THICKNESS MM	SHEET KG	COLD ROLLED	ELECTROGALV	ENAMELLING	ALUMINISED	HOT ROLLED
2438 x 1219	8'x4'	0.6	14.00			◆	◆	◆
2438 x 1219	8'x4'	0.8	18.52					◆
2438 x 1219	8'x4'	1.0	25.32					◆
2438 x 1219	8'x4'	1.2	27.99					◆
2438 x 1219	8'x4'	1.6	37.32					
2438 x 1219	8'x4'	1.6	46.65	◆		◆	◆	◆
2438 x 1219	8'x4'	2.0	46.54					
2438 x 1219	8'x4'	2.0	58.41	◆		◆	◆	◆
2438 x 1219	8'x4'	2.50	58.32			◆	◆	
2438 x 1219	8'x4'	3.00	69.98			◆	◆	

◆ These items are not commonly stocked but are available on indent. A minimum order quantity may apply on some sizes.

COIL PROCESSING

Steel & Tube offers full cut-to-length sheeting and slit coil services. Please contact us for more information on 0800 478 335.

ERW STEEL TUBE ROUND/SQUARE/RECTANGLE/FLAT-SIDED OVAL

5.5 METRES

SIZE (OD) MM	THICKNESS MM	MASS KG/M
9.5	1.2	0.25
9.5	1.6	0.31
12.7	1.2	0.34
12.7	1.6	0.44
12.7	2.0	0.53
16	1.2	0.44
16	1.6	0.57
16	2.0	0.69
19	1.2	0.53
19	1.6	0.61
19	2.0	0.84
22.2	1.2	0.62
22.2	1.6	0.81
22.2	2.0	1.00
25.4	1.2	0.72
25.4	1.6	0.94
25.4	2.0	1.15
28	1.2	0.81
28	1.6	1.07
28	2.0	1.31
31.8	1.2	0.91
31.8	1.6	1.19
31.8	2.0	1.15
35	1.2	1.00
35	1.6	1.32
35	2.0	1.63
38	1.2	1.09
38	1.6	1.44
38	2.0	1.78
38 Roll Cage	2.6	2.19
41.3	1.2	1.19
41.3	1.6	1.57
41.3	2.0	1.94
44.5	1.2	1.28
44.5	1.6	1.69
44.5	2.0	2.10
44.5 Roll Cage	2.6	2.67
47.6	1.2	1.37
47.6	1.6	1.82
47.6	2.0	2.25
51	1.2	1.47
51	1.6	1.95
51	2.0	2.42

SIZE (OD) MM	THICKNESS MM	MASS KG/M
54	1.2	1.56
54	1.6	2.07
54	2.0	2.57
57	1.6	2.19
57	2.0	2.71
63.5	1.6	2.44
63.5	2.0	3.03
76.1	1.6	2.94
76.1	2.0	3.66
88.9	1.6	3.45
88.9	2.0	4.29
101.6	1.6	3.95
101.6	2.0	4.91
12.7 Galv	1.2	0.34
16.0 Galv	1.2	0.48
16.0 Galv	1.6	0.60
19.0 Galv	1.2	0.53
19.0 Galv	1.6	0.69
22.2 Galv	1.2	0.62
22.2 Galv	1.6	0.81
25.4 Galv	1.2	0.70
25.4 Galv	1.6	0.93
31.8 Galv	1.6	1.19
38.0 Galv	1.6	1.44
51.0 Galv	1.6	1.95
16 x 16 Galv	1.6	0.72
19 x 19 Galv	1.2	0.68
19 x 19 Galv	1.6	0.89
25.4 x 25.4 Galv	1.6	1.19
31.8 x 31.8 Galv	1.6	1.53
31.8 x 15.9 FSO	1.2	0.71
31.8 x 15.9 FSO	1.6	0.95
31.8 x 15.9 Gal FSO	1.6	0.94
34.9 x 15.9 FSO	1.2	0.79
34.9 x 15.9 FSO	1.4	0.92
34.9 x 15.9 FSO	1.6	1.01
50.8 x 15.9 FSO	1.2	1.08
50.8 x 15.9 FSO	1.6	1.40

SIZE (OD) MM	THICKNESS MM	MASS KG/M
9.5 x 9.5	1.2	0.34
9.5 x 9.5	1.6	0.40
12.7 x 12.7	1.2	0.49
12.7 x 12.7	1.6	0.58
16 x 16	1.2	0.50
16 x 16	1.6	0.72
16 x 16	2.0	0.92
19 x 19	1.2	0.68
19 x 19	1.6	0.89
19 x 19	2.0	1.11
22.2 x 22.2	1.2	0.81
22.2 x 22.2	1.6	1.07
22.2 x 22.2	2.0	1.31
25.4 x 25.4	1.2	0.91
25.4 x 25.4	1.6	1.05
25.4 x 25.4	2.0	1.47
31.8 x 31.8	1.6	1.53
31.8 x 31.8	2.0	1.89
35 x 35	1.2	1.37
35 x 35	1.6	1.64
35 x 35	2.0	2.03
38 x 38	1.2	1.37
38 x 38	1.6	1.81
38 x 38	2.0	2.25
51 x 51	1.2	1.83
51 x 51	1.6	2.44
25.4 x 12.7	1.2	0.68
25.4 x 12.7	1.6	0.89
35 x 16	1.6	1.19
35 x 19	1.2	0.97
35 x 19	1.6	1.27
35 x 19	2.0	1.57
38 x 25.4	1.6	1.87
51 x 25.4	1.2	1.37
51 x 25.4	1.6	1.82
51 x 25.4	2.0	2.25
63.5 x 38	1.6	2.44
63.5 x 38	2.0	3.03

- Available ex rolling special cut-to-length service.

ROLL CAGE TUBE C350

New MSNZ Q29 standards for seamed steel tube for safety cages (see www.motorsport.org.nz for an application example).

ENGINEERING STEEL

COMMERCIAL QUALITY/FREE CUTTING/MEDIUM TENSILE/HIGH TENSILE

SIZE (MM)	SIZE (INCH)	MASS KG/M	CQ	FC	MEDIUM TENSILE	MEDIUM TENSILE	HIGH TENSILE
			C1018 /20	CT215	CT040/45/EN8	S45C	4140
	3/16	0.139			◆	◆	◆
5mm		0.153			◆	◆	◆
6mm		0.222			◆	◆	◆
	1/4	0.249			◆	◆	◆
	5/16	0.388				◆	◆
8mm		0.395			◆	◆	◆
	3/8	0.559			◆	◆	◆
10mm		0.617				◆	◆
	7/16	0.761			◆	◆	◆
12mm		0.888				◆	◆
	1/2	0.994				◆	◆
	9/16	1.259			◆	◆	◆
	5/8	1.554				◆	◆
16mm		1.579				◆	
	3/4	2.237				◆	
20mm		2.467				◆	
	7/8	3.045			◆	◆	
25mm		3.853				◆	
	1	3.978				◆	
	1 1/8	5.034			◆	◆	◆
30mm		5.549				◆	
	1 1/4	6.215				◆	◆
	1 3/8	7.515				◆	◆
35mm		7.557				◆	
	1 1/2	8.950				◆	
40mm		9.870				◆	
	1 3/4	12.18				◆	◆
45mm		12.49				◆	
50mm		15.41					
	2	15.91				◆	
56mm		19.34					
	2 1/4	20.14				◆	
60mm		22.20					◆
	2 1/2	24.86				◆	
65mm		26.05					
70mm		30.21					
75mm		34.68					◆
	3	35.79				◆	
80mm		39.47					
	3 1/2	48.73			◆	◆	◆
90mm		49.96					◆
100mm		61.65	◆				
	4	63.64			◆	◆	◆
105mm		67.97	◆	◆	◆		◆
110mm		74.59	◆	◆	◆		◆
	4 1/2	80.54			◆	◆	◆
115mm		81.53	◆	◆	◆		◆
120mm		88.77	◆	◆	◆		◆
	5	99.41			◆	◆	◆
130mm		104.18	◆	◆	◆		◆
140mm		120.83	◆	◆	◆		◆
150mm		138.71	◆	◆	◆		◆

SIZE (MM)	MASS KG/M	MEDIUM TENSILE
		S45C
160mm	157.8	
170mm	178.2	
180mm	199.7	
190mm	222.6	
200mm	246.6	
210mm	271.8	
220mm	298.3	
230mm	326.1	
240mm	355.0	
250mm	405.0	
260mm	434.4	
280mm	483.6	
320mm	631.3	
350mm	755.0	
360mm	798.9	
370mm	855.7	
410mm	1054.4	
420mm	1087.5	

- ◆ These items are not commonly stocked but are available on indent. A minimum order quantity may apply on some sizes.
- Steel & Tube offers cut-to-length services for large diameter engineering steels and a full cutting service across the total range of hollow bar.

BRIGHT FLATS AND SQUARES

FLATS

SIZE (MM/INCHES)	MASS KG/M
1/2" x 1/8"	0.32
16mm x 5mm	0.63
3/4" x 1/2"	1.90
3/4" x 3/16"	0.83
20mm x 10mm	1.57
25mm x 5mm	0.98
25mm x 10mm	1.96
1" x 1/8"	0.63
1" x 1/4"	1.26
1 1/2" x 1/4"	1.90
1 1/2" x 1/2"	3.97
1 1/2" x 3/4"	5.69
40mm x 10mm	3.14
13/4" x 5/8"	5.54
50mm x 10mm	3.93
50mm x 20mm	7.85
50mm x 25mm	9.81
2" x 1/8"	1.26
2" x 3/8"	3.79
2" x 1/2"	5.06
2" x 3/4"	7.59
2 1/2" x 1/2"	6.33
3" x 1/2"	7.59
3" x 3/4"	11.38
3" x 1"	15.18
3" x 1 1/2"	22.86
4" x 3/8"	7.59
4" x 1/2"	10.12
4" x 5/8"	12.56
4" x 3/4"	15.8
4" x 1"	20.25
4" x 1 1/4"	25.32
4" x 1 1/2"	30.48
4 x 2"	40.70
6" x 1"	30.35

SQUARES FREE CUTTING C1214

SIZE (MM/INCHES)	MASS KG/M
5/16"	0.494
1/2"	1.265
5/8"	1.976
3/4"	2.85
1"	5.06
25mm	4.90
1-1/4"	7.91
1-1/2"	11.38
2"	20.24
2-1/2"	31.65
3"	45.58
3-1/2"	62.07
4"	81.03

HOLLOW BAR

NOMINAL AND FINISHED MACHINED HOLLOW BAR

SIZE (MM)	MASS KG/M
35 X 20	6.40
40 X 20	7.60
40 X 25	6.20
45 X 20	10.20
45 X 32	6.80
50 X 25	11.80
50 X 32	9.60
55 X 35	13.92
56 X 28	14.80
56 X 40	9.82
63 X 45	11.99
65 X 35	21.40
65 X 40	19.30
70 X 40	23.51
71 X 36	24.10
75 X 40	25.90
75 X 45	22.87
80 X 40	30.90
80 X 50	25.10
85 X 45	33.50
85 X 50	29.98
85 X 55	27.10
90 X 55	35.00
90 X 63	26.50
90 X 65	27.53
90 X 67	22.93
90 X 70	23.35
95 X 50	41.90
95 X 75	22.20
100 X 40	52.97
100 X 56	44.20
100 X 63	38.28
100 X 65	39.78
100 X 71	32.00
100 X 75	27.84
100 X 80	23.60

SIZE (MM)	MASS KG/M
105 X 70	42.21
106 X 56	52.10
106 X 71	40.00
100 X 80	23.60
105 X 70	42.21
106 X 56	52.10
106 X 71	40.00
110 X 60	57.14
112 X 63	54.37
112 X 90	29.50
115 X 65	60.54
118 X 63	64.00
118 X 80	48.80
118 X 90	37.80
120 X 90	44.43
125 X 70	71.89
125 X 80	58.57
125 X 90	48.40
130 X 75	75.70
132 X 71	79.70
132 X 90	59.23
140 X 80	85.00
140 X 100	61.90
140 X 105	59.56
150 X 80	102.05
150 X 85	101.97
150 X 106	72.60
160 X 90	112.60
160 X 95	110.87
160 X 112	84.20
160 X 132	57.30
180 X 100	138.10
180 X 125	108.20
180 X 140	78.94
190 X 160	64.73
200 X 140	131.60

- Steel & Tube offers cut-to-length services for large diameter engineering steels and a full cutting service across the total range of hollow bar.

INDENT SERVICE

The Steel & Tube indent service provides customers with high quality products from recognised international suppliers and mills.

When buying through Steel & Tube supply channels you can be assured that product complies with international standards or AS/NZS standards.

Please contact Steel & Tube for indent price and supply information on 0800 478 335.

PRODUCT GROUP	COMMON SPECIFICATIONS
Steel deformed and plain rounds G300E	AS/NZS4671 G300E
Steel deformed rounds G500E MA (seismic)	AS/NZS4671 G500E MA
Steel Reid bar G500E MA (seismic)	AS/NZS4671 G500E MA
Pre-stressing strand	AS/NZS4672
Mesh seismic G500E MA (ductile)	AS/NZS4671 G500E MA
Steel flats, angles, squares G300	AS/NZS3679 G300
Steel plate G250	AS/NZS1594 HA250 or AS/NZS3678 G250
Steel plate G300	AS/NZS1594 HA300 or AS/NZS3678 G300
Steel plate G350	AS/NZS1594 HA350 or AS/NZS3678 G350
Steel plate pressure (boiler)	AS1548/PT460
Steel plate corrosion	AS/NZS1594 HW350
Steel plate abrasion resistant or high tensile	Quenched and tempered
Steel beams, channels, columns G300SO (seismic)	AS/NZS3679 G300SO
Steel beams, channels, columns G300 (non-seismic)	AS/NZS3679 G300
Steel sheet piling	JIS A 5528 SY295/SY390
RHS/SHS C350LO/C450LO	AS/NZS1163 C350LO/C450LO
RHS/SHS C350LO	AS/NZS1163 C350LO
Linepipe – seamless	ASTM A106 Grade B
Linepipe – ERW pressure	API 5L B
Linepipe – ERW structural C350 or C350LO	AS/NZS1163 C350 or AS/NZS1163 C350LO
Pipe piling	ASTM A252 Grade 2 or ASTM A252 Grade 3
Pipe scaffolding	AS/NZS1163 C250LO
Pipe reticulation	AS1074 or ASTM A135 Grade A
Pipe general purpose	AS1074
Tube boiler	BS3059 Part 1
Steel cold-drawn commercial C1018 or C1020	AISI 1018 or AISI 1020
Steel cold-drawn free cutting C1214 or C1215	AISI 1214 or AISI 1215
Steel cold-drawn medium tensile C1045	AISI 1045
Steel Q&T rounds 4140	AISI 4140
Steel hot-rolled engineering rounds S45C	JIS G4051 S45C
Steel carbon hollow bar	EN10294 Grade 20MnV6



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