

# MERCHANT BAR PRODUCTS



**Build** with   
**Standards**

**onesteel**

# Product Availability

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## PRODUCT GRADES

The following grades may be available by enquiry

- AS/NZ 3679 350
- K1016
- K1022
- K1045

Please enquire for availability, MOQ and price.

## DELIVERY

### Ex-Rolling Delivery

For ex-rolling items, delivery is during the published delivery (DIS) week, as per the Monthly Delivery Program.

### EzyStock® Despatch

Lead times for EzyStock will be as per your agreement.



# Product Availability Rounds

Section (mm) Rounds	Ezystock Availability and MOQ 300Plus® 6.0m Lengths	MOQ for Lengths other than 6.0m or Grades other than 300PLUS®	MRQ (Ex-Rolling Items)
#10	Ezystock 2t	24	24
12	Ezystock 2t	24	24
13	24	24	24
14	Ezystock 2t	24	24
15	24	24	24
16	Ezystock 2t	24	24
17	24	24	24
18	Ezystock 2t	24	24
19	24	24	24
20	Ezystock 2t	24	24
22	Ezystock 2t	24	24
24	Ezystock 2t	24	24
27	Ezystock 2t	24	50
30	Ezystock 2t	24	50
33	Ezystock 2t	24	50
36	Ezystock 2t	24	50
39	Ezystock 2t	24	50
42	Ezystock 2t	24	50
45	24	24	50
48	24	24	50
50	Ezystock 2t	24	50
56	Ezystock 2t	24	50
60	Ezystock 2t	24	50
65	Ezystock 2t	24	50
75	24	24	50
90	24	24	50



# Product Availability

## Square Edge Flats

Section (mm) Square Edge Flats	Ezystock Availability and MOQ 300Plus® 6.0m Lengths	MOQ for Lengths other than 6.0m or Grades other than 300PLUS®	MRQ (Ex-Rolling Items)
20 x 10	12	24	24
25 x 5	EzyStock 2t	24	24
25 x 6	EzyStock 2t	24	24
25 x 8	12	24	24
25 x 10	12	24	24
25 x 12	12	24	24
32 x 5	EzyStock 2t	24	24
32 x 6	EzyStock 2t	24	24
32 x 8	12	24	24
32 x 10	12	24	24
32 x 12	12	24	24
40 x 5	EzyStock 2t	24	24
40 x 6	EzyStock 2t	24	24
40 x 8	EzyStock 2t	24	24
40 x 10	EzyStock 2t	24	24
40 x 12	12	24	24
40 x 16	12	24	24
40 x 20	12	24	24
50 x 5	EzyStock 2t	24	24
50 x 6	EzyStock 2t	24	24
50 x 8	EzyStock 2t	24	24
50 x 10	EzyStock 2t	24	24
50 x 12	EzyStock 2t	24	24
50 x 16	EzyStock 2t	24	24
50 x 20	EzyStock 2t	24	24
50 x 25	EzyStock 2t	24	24
65 x 5	EzyStock 2t	24	24
65 x 6	EzyStock 2t	24	24
65 x 8	EzyStock 2t	24	24
65 x 10	EzyStock 2t	24	24
65 x 12	12	24	24
65 x 16	EzyStock 2t	24	24
65 x 20	12	24	24



# Product Availability

## Square Edge Flats

Section (mm) Square Edge Flats	Ezystock Availability and MOQ 300Plus® 6.0m Lengths	MOQ for Lengths other than 6.0m or Grades other than 300PLUS®	MRQ (Ex-Rolling Items)
75 x 5	EzyStock 2t	24	24
75 x 6	EzyStock 2t	24	24
75 x 8	EzyStock 2t	24	24
75 x 10	EzyStock 2t	24	24
75 x 12	EzyStock 2t	24	24
75 x 16	EzyStock 2t	24	24
75 x 20	EzyStock 2t	24	24
75 x 25	EzyStock 2t	24	24
90 x 6	EzyStock 2t	24	24
90 x 8	EzyStock 2t	24	24
90 x 10	EzyStock 2t	24	24
90 x 12	EzyStock 2t	24	24
100 x 5	EzyStock 2t	24	24
100 x 6	EzyStock 2t	24	24
100 x 8	EzyStock 2t	24	24
100 x 10	EzyStock 2t	24	24
100 x 12	EzyStock 2t	24	24
100 x 16	EzyStock 2t	24	24
100 x 20	EzyStock 2t	24	24
100 x 25	EzyStock 2t	24	24
110 x 10	EzyStock 2t	24	24
130 x 8	EzyStock 2t	24	24
130 x 10	EzyStock 2t	24	24
130 x 12	EzyStock 2t	24	24
130 x 16	EzyStock 2t	24	24
130 x 20	EzyStock 2t	24	24
130 x 25	EzyStock 2t	24	24
150 x 8	EzyStock 2t	24	24
150 x 10	EzyStock 2t	24	24
150 x 12	EzyStock 2t	24	24
150 x 16	EzyStock 2t	24	24
150 x 20	EzyStock 2t	24	24
150 x 25	EzyStock 2t	24	24



# Product Availability

## Equal Angles

Section (mm) Equal Angles	EzyStock Availability and MOQ 300PLUS® Standard Lengths				MOQ for Non- Standard Lengths	MRQ (Ex- Rolling Items)	Non- Standard Grades
	6.0m	7.5m	9.0m	12.0m			
25 x 25 x 3	Ezystock 2t	Ezystock 2t	24	24	24	24	By enquiry
25 x 25 x 5	Ezystock 2t	24	24	24	24	24	By enquiry
25 x 25 x 6	24	24	24	24	24	24	By enquiry
30 x 30 x 3	Ezystock 2t	Ezystock 2t	24	24	24	24	By enquiry
30 x 30 x 5	Ezystock 2t	Ezystock 2t	24	24	24	24	By enquiry
30 x 30 x 6	24	24	24	24	24	24	By enquiry
40 x 40 x 3	Ezystock 2t	Ezystock 2t	Ezystock 2t	24	24	24	By enquiry
40 x 40 x 5	Ezystock 2t	Ezystock 2t	Ezystock 2t	24	24	24	By enquiry
40 x 40 x 6	24	Ezystock 2t	24	24	24	24	By enquiry
45 x 45 x 3	24	24	24	24	24	24	By enquiry
45 x 45 x 5	24	24	24	24	24	24	By enquiry
45 x 45 x 6	24	24	Ezystock 2t	24	24	24	By enquiry
50 x 50 x 3	Ezystock 2t	24	Ezystock 2t	24	24	24	By enquiry
50 x 50 x 5	Ezystock 2t	24	Ezystock 2t	24	24	24	By enquiry
50 x 50 x 6	Ezystock 2t	24	Ezystock 2t	24	24	24	By enquiry
50 x 50 x 8	Ezystock 2t	24	Ezystock 2t	24	24	24	By enquiry
55 x 55 x 5	24	24	Ezystock 2t	24	24	24	By enquiry
55 x 55 x 6	24	24	Ezystock 2t	24	24	24	By enquiry
65 x 65 x 5	24	24	Ezystock 2t	24	24	24	By enquiry
65 x 65 x 6	Ezystock 2t	24	Ezystock 2t	24	24	24	By enquiry
65 x 65 x 8	24	24	Ezystock 2t	24	24	24	By enquiry
65 x 65 x 10	24	24	Ezystock 2t	24	24	24	By enquiry
75 x 75 x 5	24	24	Ezystock 2t	24	24	24	By enquiry
75 x 75 x 6	Ezystock 2t	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
75 x 75 x 8	Ezystock 2t	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
75 x 75 x 10	Ezystock 2t	24	Ezystock 2t	24	24	24	By enquiry
90 x 90 x 6	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
90 x 90 x 8	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
90 x 90 x 10	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
100 x 100 x 6	Ezystock 2t	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
100 x 100 x 8	Ezystock 2t	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
100 x 100 x 10	Ezystock 2t	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
100 x 100 x 12	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry



## Product Availability Unequal Angles

Section (mm) Unequal Angles	EzyStock Availability and MOQ 300PLUS® Standard Lengths				MOQ for Non-Standard Lengths	MRQ (Ex-Rolling Items)	Non-Standard Grades
	6.0m	7.5m	9.0m	12.0m			
65 x 50 x 5	24	24	24	24	24	24	By enquiry
65 x 50 x 6	24	24	24	24	24	24	By enquiry
65 x 50 x 8	24	24	24	24	24	24	By enquiry
75 x 50 x 5	24	24	Ezystock 2t	24	24	24	By enquiry
75 x 50 x 6	Ezystock 2t	24	Ezystock 2t	24	24	24	By enquiry
75 x 50 x 8	24	24	Ezystock 2t	24	24	24	By enquiry
100 x 75 x 6	Ezystock 2t	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
100 x 75 x 8	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
100 x 75 x 10	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
125 x 75 x 6	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
125 x 75 x 8	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
125 x 75 x 10	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry
125 x 75 x 12	24	24	Ezystock 2t	Ezystock 2t	24	24	By enquiry



## Product Availability Parallel Flange Channels

Section (mm) Channels	EzyStock Availability and MOQ 300PLUS® - Standard Lengths			MOQ for Non-Standard Lengths	MRQ (Ex-Rolling Items)	Non-Standard Grades
	6.0m	9.0m	12.0m			
75 x 40	Ezystock 2t	Ezystock 2t	Ezystock 2t	24	24	By enquiry
100 x 50	Ezystock 2t	Ezystock 2t	Ezystock 2t	24	24	By enquiry
125 x 65	Ezystock 2t	Ezystock 2t	Ezystock 2t	24	24	By enquiry



## Product Availability Tapered Flange Beams

Section (mm) Beams	EzyStock Availability and MOQ 300PLUS® Standard Lengths					MRQ (Ex-Rolling Items)
	7.5m	9.0m	12.0m	14.0m	15.0m	
100 x 45	8	8	8	8	8	8
125 x 65	8	8	8	8	8	8

TFB's are imported by OneSteel



# Product Availability Squares

Section (mm) Squares	300PLUS® Std Grade 6.0m lengths MOQ	Lengths other than 6m or Grades other than 300PLUS	MRQ (Ex-Rolling Items)
10	EzyStock 2t	24	24
12	12	24	24
16	12	24	24
20	12	24	24
25	12	24	24
40	12	24	50



# Product Availability Light Billets

Section (mm) Billets	Grade	Length	MOQ	MRQ (Ex-Rolling Items)
45	K1022 or K1045	All lengths	24	50
50	K1022 or K1045	All lengths	24	50
63	K1022	6.0m	EzyStock 2t	-
63	K1045	6.0m	EzyStock 2t	-
75	K1022	6.0m	EzyStock 2t	-
75	K2045	6.0m	EzyStock 2t	-
63 Non EzyStock Items	K1022 or K1045	All lengths except EzyStock items	24	50
75 Non EzyStock Items	K1022 or K1045	All lengths except EzyStock items	24	50



# Lengths & Supply Tolerances

## QUANTITY SUPPLY TOLERANCES

All orders will have a quantity tolerance of +/- 20%.

## LENGTH AVAILABILITY

Product	Length Range Available
RND 10mm to 24mm	6.0m to 13.8m
SEF and ANG	6.0m to 13.8m
PFC	6.0m to 12.0m
SQ 10mm to 25mm	6.0m to 13.8m
RND 27mm to 90mm	6.0m to 8.0m
40 SQ and Billets	6.0m to 8.0m
TFB	7.5m to 15.0m in half metre increments
All product	Lengths available in 0.05m increments (except TFBs) Lengths outside of the above ranges may be available by enquiry

## STANDARD LENGTHS & LENGTH EXTRAS

Shape	Standard lengths					
	6m	7.5m	9m	12m	14m	15m
SEF	✓					
RND	✓					
SQ	✓					
BLT	✓					
ANG	✓	✓	✓	✓		
PFC	✓		✓	✓		
TFB		✓	✓	✓	✓	✓



# Mass/Dimension Rounds

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	6 Metres	
					Indicative Bundle Bar Count	Indicative Bundle mass (t)
10	1621	79	31429	0.616	270	1.00
12	1126	113	37714	0.887	375	2.00
13	959	133	40857	1.04	320	2.00
14	827	154	44000	1.21	275	2.00
15	721	177	47143	1.39	239	2.00
16	633	201	50286	1.58	211	2.00
17	561	227	53429	1.78	187	2.00
18	500	255	56571	1.99	168	2.00
19	449	284	59714	2.23	149	2.00
20	405	314	62857	2.46	136	2.01
22	335	380	69143	2.98	112	2.01
24	282	453	75429	3.55	94	2.01
27	222	573	84857	4.49	75	2.02
30	180	707	94286	5.55	61	2.04
33	149	856	103714	6.71	50	2.02
36	125	1018	113143	7.99	42	2.02
39	107	1195	122571	9.38	36	2.03
42	92	1386	132000	10.9	30	2.00
45	80	1591	141429	12.5	27	2.03
48	70	1810	150857	14.2	23	2.00
50	65	1964	157143	15.4	22	2.03
56	52	2464	176000	19.3	18	2.08
60	45	2829	188571	22.2	16	2.13
65	38	3320	204286	26.0	13	2.09
75	29	4420	235714	34.7	9	2.00
90	20	6364	282857	49.9	6	2.00

Bar counts and bundle sizes are estimates only.



# Mass/Dimension Square Edge Flats

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	6 Metres	
					Indicative Bundle Bar Count	Indicative Bundle mass (t)
20 x 10	637	200	60000	1.57	212	2.00
25 x 5	1019	125	60000	0.981	341	2.01
25 x 6	849	150	62000	1.18	283	2.00
25 x 8	637	200	66000	1.57	213	2.01
25 x 10	510	250	70000	1.96	171	2.01
25 x 12	425	300	74000	2.36	141	2.00
32 x 5	796	160	74000	1.26	270	2.04
32 x 6	663	192	76000	1.51	230	2.08
32 x 8	498	256	80000	2.01	170	2.05
32 x 10	398	320	84000	2.51	130	1.96
32 x 12	332	384	88000	3.01	110	1.99
40 x 5	637	200	90000	1.57	216	2.04
40 x 6	531	240	92000	1.88	184	2.08
40 x 8	398	320	96000	2.51	136	2.05
40 x 10	318	400	100000	3.14	104	1.96
40 x 12	265	480	104000	3.77	88	1.99
40 x 16	199	640	112000	5.02	64	1.93
40 x 20	159	800	120000	6.28	56	2.11
50 x 5	510	250	110000	1.96	174	2.05
50 x 6	425	300	112000	2.36	144	2.04
50 x 8	318	400	116000	3.14	108	2.04
50 x 10	255	500	120000	3.93	90	2.12
50 x 12	212	600	124000	4.71	72	2.04
50 x 16	159	800	132000	6.28	54	2.04
50 x 20	127	1000	140000	7.85	42	1.98
50 x 25	102	1250	150000	9.81	36	2.12
65 x 5	392	325	140000	2.55	132	2.02
65 x 6	327	390	142000	3.06	112	2.06
65 x 8	245	520	146000	4.08	84	2.06
65 x 10	196	650	150000	5.10	68	2.08
65 x 12	163	780	154000	6.12	56	2.06
65 x 16	122	1040	162000	8.16	40	1.96
65 x 20	98	1300	170000	10.2	32	1.96

Bar counts and bundle sizes are estimates only.



# Mass/Dimension Square Edge Flats

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	6 Metres	
					Indicative Bundle Bar Count	Indicative Bundle mass (t)
75 x 5	340	375	160000	2.94	116	2.05
75 x 6	283	450	162000	3.53	96	2.03
75 x 8	212	600	166000	4.71	72	2.04
75 x 10	170	750	170000	5.89	56	1.98
75 x 12	142	900	174000	7.06	48	2.03
75 x 16	106	1200	182000	9.42	36	2.04
75 x 20	85	1500	190000	11.8	28	1.98
75 x 25	68	1875	200000	14.7	24	2.12
90 x 6	236	540	192000	4.24	81	2.06
90 x 8	177	720	196000	5.65	60	2.03
90 x 10	142	900	200000	7.06	48	2.03
90 x 12	118	1080	204000	8.48	39	1.98
100 x 5	255	500	210000	3.93	87	2.05
100 x 6	212	600	212000	4.71	72	2.04
100 x 8	159	800	216000	6.28	54	2.04
100 x 10	127	1000	220000	7.85	42	1.98
100 x 12	106	1200	224000	9.42	36	2.04
100 x 16	80	1600	232000	12.6	27	2.04
100 x 20	64	2000	240000	15.7	22	2.07
100 x 25	51	2500	250000	19.6	17	2.00
110 x 10	116	1100	240000	8.64	42	2.20
130 x 8	122	1040	276000	8.16	42	2.06
130 x 10	98	1300	280000	10.2	33	2.02
130 x 12	82	1560	284000	12.2	28	2.05
130 x 16	61	2080	292000	16.3	21	2.05
130 x 20	49	2600	300000	20.4	17	2.08
130 x 25	39	3250	310000	25.5	14	2.14
150 x 8	106	1200	316000	9.42	36	2.03
150 x 10	85	1500	320000	11.8	29	2.05
150 x 12	71	1800	324000	14.1	24	2.03
150 x 16	53	2400	332000	18.8	18	2.03
150 x 20	42	3000	340000	23.6	15	2.12
150 x 25	34	3750	350000	29.4	12	2.12

Bar counts and bundle sizes are estimates only.



# Mass/Dimension Equal Angles

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	6 Metres		7.5 Metres		9 Metres	
					Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)
25 x 25 x 3	892	143	95300	1.12	300	2.02	247	2.08	202	2.04
25 x 25 x 5	606	210	95300	1.65	210	2.08	165	2.04	135	2.01
25 x 25 x 6	480	266	95300	2.08	165	2.06	127	1.98	112	2.10
30 x 30 x 3	741	173	115000	1.35	247	2.00	195	1.97	162	1.97
30 x 30 x 5	498	256	115000	2.01	169	2.04	136	2.05	117	2.18
30 x 30 x 6	391	326	115000	2.56	130	1.98	110	2.11	84	1.94
40 x 40 x 3	547	233	155000	1.83	180	1.98	153	2.031	126	2.08
40 x 40 x 5	366	348	155000	2.73	126	2.06	99	2.03	81	1.99
40 x 40 x 6	286	446	155000	3.50	99	2.08	76	2.00	63	1.99
45 x 45 x 3	485	263	175000	2.06	171	2.01	135	2.09	112	2.08
45 x 45 x 5	323	394	175000	3.10	108	2.01	90	2.09	72	2.01
45 x 45 x 6	252	506	175000	3.97	85	2.03	67	2.00	54	1.93
50 x 50 x 3	433	295	195000	2.31	144	1.97	116	2.01	98	2.04
50 x 50 x 5	287	443	195000	3.48	98	2.05	77	2.01	67	2.10
50 x 50 x 6	224	568	195000	4.46	74	1.98	60	2.01	49	1.97
50 x 50 x 8	176	723	195000	5.68	60	2.05	49	2.09	39	1.99
55 x 55 x 5	260	489	215000	3.84	88	2.03	70	2.02	60	2.07
55 x 55 x 6	203	628	215000	4.93	68	2.01	55	2.03	45	2.00
65 x 65 x 5	219	581	255000	4.56	75	2.05	60	2.05	50	2.05
65 x 65 x 6	170	748	255000	5.87	58	2.04	45	1.98	38	2.01
65 x 65 x 8	133	957	255000	7.51	45	2.03	35	1.97	30	2.03
65 x 65 x 10	111	1150	255000	9.02	38	2.06	30	2.03	25	2.03

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	6 Metres		9 Metres		12 Metres	
					Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)
75 x 75 x 5	190	672	292000	5.27	63	1.99	43	2.04	33	2.09
75 x 75 x 6	147	867	292000	6.81	50	2.04	33	2.02	25	2.04
75 x 75 x 8	115	1110	292000	8.73	38	1.99	25	1.96	20	2.10
75 x 75 x 10	95	1340	292000	10.5	33	2.08	20	1.89	15	1.89
90 x 90 x 6	122	1050	352000	8.22	33	1.63	26	1.93	22	2.17
90 x 90 x 8	94	1350	352000	10.6	32	2.04	22	2.10	15	1.91
90 x 90 x 10	79	1620	352000	12.7	27	2.06	18	2.06	14	2.14
100 x 100 x 6	109	1170	392000	9.16	36	1.98	26	2.15	18	1.98
100 x 100 x 8	85	1500	392000	11.8	27	1.91	18	1.91	14	1.98
100 x 100 x 10	70	1810	392000	14.2	22	1.88	15	1.91	12	2.04
100 x 100 x 12	57	2260	392000	17.7	18	1.91	13	2.07	10	2.12

Bar counts and bundle sizes are estimates only.



# Mass/Dimension Unequal Angles

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	6 Metres		7.5 Metres		9 Metres	
					Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)
65 x 50 x 5	249	512	225000	4.02	85	2.05	68	2.05	55	1.99
65 x 50 x 6	194	658	225000	5.16	63	1.95	53	2.05	43	2.00
65 x 50 x 8	152	840	225000	6.59	53	2.10	40	1.98	35	2.08
75 x 50 x 5	229	557	245000	4.40	78	2.06	63	2.08	53	2.10
75 x 50 x 6	178	717	245000	5.66	60	2.04	50	2.12	40	2.04
75 x 50 x 8	139	917	245000	7.23	48	2.08	38	2.06	30	1.95

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	6 Metres		9 Metres		12 Metres	
					Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)
100 x 75 x 6	125	1020	342000	7.98	33	1.58	30	2.15	21	2.01
100 x 75 x 8	97	1310	342000	10.3	33	2.04	22	2.04	15	1.86
100 x 75 x 10	81	1580	342000	12.4	27	2.01	18	2.01	14	2.08
125 x 75 x 6	109	1170	392000	9.16	36	1.98	26	2.14	18	1.98
125 x 75 x 8	85	1500	392000	11.8	27	1.91	19	2.02	14	1.98
125 x 75 x 10	70	1810	392000	14.2	22	1.88	16	2.04	12	2.04
125 x 75 x 12	57	2260	392000	17.7	19	2.02	13	2.07	10	2.12



# Mass/Dimension Parallel Flange Channels

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	6 Metres		7.5 Metres		9 Metres		12 Metres	
					Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)	Bundle Bar Count	Bundle mass (t)
75 x 40	169	751	302200	5.92	48	1.70	48	2.13	40	2.13	32	2.27
100 x 50	120	1058	392400	8.31	24	1.20	n/a	n/a	24	1.79	24	2.39
125 x 65	84	1517	500000	11.9	16	1.14	n/a	n/a	20	2.14	16	2.28

Bar counts and bundle sizes are estimates only.



# Mass/Dimension Tapered Flange Beams

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	9 Metres		12 Metres	
					Bundle Bar Count	Bundle mass(t)	Bundle Bar Count	Bundle mass (t)
100 x 45	139	917	349000	7.20	30	1.94	24	2.07
125 x 65	76	1670	470000	13.1	16	1.89	12	1.89



# Mass/Dimension Squares

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	Corner Radius (mm)	6 Metres	
						Indicative Bundle Bar Count	Indicative Bundle mass (t)
10	1274	100	31429	0.790	*	424	2.00
12	885	144	48000	1.13	*	295	2.00
16	498	256	64000	2.01	*	164	1.98
20	318	400	80000	3.14	*	106	2.00
25	204	625	100000	4.91	*	67	2.00
40	80	1600	160000	12.5	1.5	26	2.00

\* Corner Radius up to 1mm



# Mass/Dimension Light Billets

Section (mm)	Length (m/t)	Cross Section (sq. mm)	Surface Area (sq. mm/m)	Mass (kg/m)	Indicative Corner Radius (mm)
45	63.7	1999	170571	15.7	5.5
50	51.7	2464	188857	19.4	6.5
63	32.5	3914	238286	30.7	8.0
75	23.0	5548	283714	43.6	9.5

Bar counts and bundle sizes are estimates only.

# Product Tolerances

## ROUNDS AND SQUARES (MM)

Specified Size		Permissible Variation from Specified Section		Permissible Out of Round/ Square
Over	Up to & Incl.	Plus	Minus	
-	25	0.25	0.25	0.40
25	30	0.30	0.30	0.45
30	40	0.40	0.40	0.60
40	50	0.50	0.50	0.75
50	60	0.60	0.60	0.90
60	70	0.70	0.70	1.05
70	80	0.80	0.80	1.20
80	100	0.90	0.90	1.35

## SQUARE EDGE FLATS (WIDTH MM)

Specified Size		Permissible Variation from Specified Section	
Over	Up to & Incl.	Plus	Minus
-	25	0.40	0.40
25	50	0.80	0.80
50	100	1.60	0.80
100	150	2.40	1.60

## SQUARE EDGE FLATS (THICKNESS MM)

Specified Width		Permissible Variation from Specified Thickness Plus or minus for the following Thickness Ranges		
Over	Up to & Incl.	<6	6 to 12	>12 to 25
-	25	0.20	0.20	0.25
25	50	0.20	0.30	0.40
50	100	0.20	0.40	0.50
100	150	0.25	0.40	0.50

Please Note: Australian Standard dimensional tolerance does not apply to imported sections supplied by OneSteel.



# Product Tolerances

## ANGLES (LEG THICKNESS DIMENSIONS MM)

Designated Thickness	Actual Thickness	Permissible Variation from Actual Thickness	
		Plus	Minus
3	3.0	0.5	0.5
5	4.6	0.5	0.5
6	6.0	0.5	0.5
8	7.8	0.5	0.5
10	9.5	0.5	0.5
12	12.0	0.7	0.7

## ANGLES (LEG LENGTH & OUT OF SQUARE MM)

Nominal Length		Permissible Variation from Specified Section		
		Leg Length		Out of Square
Over	Up to & Incl.	Plus	Minus	
-	40	2.5	1.5	1
40	75	2.5	1.5	2
75	125	3.0	3.0	3

## TAPERED FLANGE BEAMS

Nominal Section Depth mm		
Dimension	Over	75
	Up to & Incl.	125
Permissible Variation	Plus	2.5
	Minus	1.5
Nominal Section Width mm		
Dimension	Over	40
	Up to & Incl.	80
Permissible Variation	Plus	3.0
	Minus	3.0
Permissible Variation Flange or Web Thickness (T or t)	Plus	0.7
	Minus	0.7
Permissible Out of Square on each Leg or Flange.	S <sup>1</sup> + S <sup>0</sup>	1.5
Permissible Out of Square per mm of Nominal Flange Width mm		
	S <sup>1</sup> + S <sup>0</sup>	0.030

# Product Tolerances

## PARALLEL FLANGE CHANNELS

Nominal Section Depth mm			
Dimension	Over	75	
	Up to & Incl.	180	
Permissible Variation	Plus	3.0	
	Minus	1.5	
Nominal Section Width mm			
Dimension	Over	40	55
	Up to & Incl.	55	75
Permissible Variation	Plus	3.0	3.0
	Minus	3.0	3.0
Permissible Variation Flange or Web Thickness (T or t)	Plus	0.7	1.0
	Minus	0.7	1.0
Permissible Out of Square on each Leg or Flange.	S <sup>1</sup> + S <sup>0</sup>	1.0	1.5
	Permissible Out of Square per mm of Nominal Flange Width mm		
	S <sup>1</sup> + S <sup>0</sup>	0.030	0.030

# Length Tolerances

Specified Length in metres		Length Tolerance (mm)	
Over	Up to & Incl.	Plus	Minus
-	7	50	nil
7	12	75	nil
12	-	100	nil