

# easysteel.™

A FLETCHER BUILDING COMPANY



## THE STEEL BOOK

NOVEMBER 2023

# Experience our can-do attitude.

**As part of the Fletcher Steel family, the team at Easysteel bring a passion to what we do and how we do it.** Individually and collectively through our diversity, scale and expertise across the business, we become a force to be reckoned with.

We believe in being game changers, delivering excellence in engineering and construction, while bringing together the best products, that showcase our innovation and willingness to doing things differently - bringing your projects to life!

No matter who you talk to, you get someone who cares about giving you what you need; each and every time. That's how we're working together for you.

## ***Fletcher Steel®***



**easysteel.**

**R Fletcher**  
Reinforcing

*Fletcher*  
Wire products™

 **Pacific**  
COILCOATERS

 **Diamond Roofing**  
GET THE EDGE

**Diamond Structural**

 **Fletcher Steel**  
Trusted structural products

1.

**We care.  
Building relationships on trust.**

It's naturally our way. Our team culture is based on caring about our colleagues and customers, caring about getting it right and seeing the end result come to life. Trust in us to deliver you the very best result for your next project.

2.

**Together, the power of one.  
Your service experience.**

We're a diverse bunch of people with expert skills and capabilities. Only by working together can we achieve greatness and success. We all play a part and this ultimately creates a unique experience for you - our customers.

3.

**Getting the details right.  
Saving you time.**

Nothing is better or more satisfying than getting the job right first time. Together, if we're all over the detail, this means a positive experience for you. Every small step taken makes a difference to our customers. We thrive on a challenge and we're always in your corner.

4.

**Our people first culture drives results.  
Everyone is in it for the long haul.**

When we all care about the outcome it drives a culture change among our team. Every one of us is working together to bring you the very best. It's not only in our name but in our actions - experience the difference.

5.

**Making the difference in your projects.  
Sharing in your success.**

We want you to choose Fletcher Steel, and our desire is to make this happen, because when you're happy we're happy. It needs to be an easy decision working with us and choosing our product. We're committed to giving you what you need - after all, steel is our business.



# Introduction

Easysteel is a part of Fletcher Steel Limited. The company prides itself on its position as a leading steel distributor in New Zealand providing a comprehensive range of products and services to meet the needs of this market.

The Steel Book is a directory of products and services available from Easysteel and is provided as a guide to assist customers when determining their requirements.

It is by no means an exhaustive list of the company's service portfolio. For in this dynamic environment, operating within a more prevalent global economy, the range of products and services that Easysteel offers is ever changing.



The Steel Book is a part of our full range of publications outlining our product offer. We also have available, The Special Steels Book and The Steel & Wire Book. See our website or ask your Easysteel Sales Representative for a copy of any of these publications.

Every care has been taken by staff in producing this catalogue. Easysteel has endeavoured to ensure accuracy of the information contained herein, however Easysteel cannot and does not accept responsibility for any loss or damage sustained by any party through use of this information.

# Introduction

## Quality

Easysteel continues to maintain a strong commitment to the principles of total quality management. This results in minimum waste, improved efficiencies and a service promise which meets customer requirements. Easysteel has a philosophy of continuous improvement in all areas of its business.

## Service

At Easysteel, we pride ourselves in providing the best service in the Industry. High standards of service throughout the business is a focus for all our teams.

## Technical Advice

Easysteel provides technical expertise on all products and services it markets. Specialist advice is available on product properties, product selection and specific end use application. Any advice given should subsequently be authorised by a qualified engineer.

## Suppliers

Easysteel has a centrally based supply chain which leverages its strong relationship with suppliers to provide highly competitive offers to its customers. These offers are sourced globally from quality steel mills and suppliers which enables its customers to compete in both domestic and export markets.

## Health, Safety & Environment

At Easysteel, our safety goal is zero harm. Health and Safety is our highest priority, not only for all employees, but also for our customers, suppliers, contractors and visitors. We take a pro-active approach in regards to Health, Safety & Environment, and we are continually developing and implementing systems to ensure our workplace is a safe one. At Easysteel, everyone is responsible for ensuring that we are working in a safe manner -

***Because we want to... not because we have to!***

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# Merchant Bar





# Merchant Bar

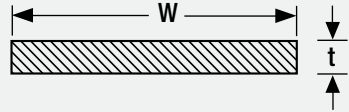


## MILD STEEL FLATS

**Product Shortname:** FL

**Specifications:** AS/NZS 3679.1-300  
JIS G3101-SS400

**Size Designation:** Cross Sectional Area = width x thickness = mm<sup>2</sup>  
Mass per Metre = w (mm) x t (mm) x 0.00785 = kg/m  
Metres per Tonne = 1000 / kg/m = metres



### Size Range Available:

Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)
**13 x 3	0.31	40 x 16	5.02	75 x 40	23.55	150 x 12	14.13
16 x 3	0.38	50 x 3	1.18	80 x 6	3.77	150 x 16	18.84
16 x 6	0.75	50 x 5	1.96	80 x 10	6.28	150 x 20	23.55
20 x 3	0.47	50 x 6	2.36	80 x 12	7.54	150 x 25	29.44
20 x 5	0.79	50 x 8	3.14	90 x 6	25.43	180 x 6	8.48
20 x 6	0.94	50 x 10	3.93	90 x 10	42.36	180 x 10	14.13
20 x 10	1.57	50 x 12	4.71	100 x 5	3.93	180 x 12	16.96
25 x 3	0.59	50 x 16	6.28	100 x 6	4.71	200 x 6	9.42
25 x 5	0.98	50 x 20	7.85	100 x 8	6.28	200 x 8	12.56
25 x 8	9.42	50 x 25	9.81	100 x 10	7.85	200 x 10	15.70
25 x 10	1.96	60 x 6	2.83	100 x 12	9.42	200 x 12	18.84
25 x 12	2.36	60 x 10	4.71	100 x 16	12.56	200 x 16	25.12
30 x 5	1.18	60 x 12	5.65	100 x 20	15.70	200 x 20	31.41
30 x 10	2.36	65 x 3	1.53	100 x 25	19.63	200 x 25	39.25
32 x 3	0.75	65 x 5	2.55	130 x 6	6.12	250 x 6	11.78
32 x 6	1.51	65 x 16	8.16	130 x 10	10.21	250 x 10	19.63
32 x 8	2.01	65 x 25	12.76	130 x 12	12.25	250 x 12	23.55
32 x 10	2.51	75 x 5	2.94	130 x 16	16.33	250 x 16	31.40
40 x 3	0.94	75 x 8	4.71	130 x 20	20.41	250 x 20	39.25
40 x 5	1.57	75 x 10	5.89	130 x 25	25.51	300 x 6	14.13
40 x 6	1.88	75 x 12	7.07	150 x 5	5.89	300 x 10	23.55
40 x 8	2.51	75 x 16	9.42	150 x 6	7.07	300 x 12	28.26
40 x 10	3.14	75 x 20	11.78	150 x 8	9.42		
40 x 12	3.77	75 x 25	14.72	150 x 10	11.78		

Standard stock lengths 6m. \*\* Stocked in 4m lengths.

**Straightness Tolerance:** AS/NZS 3679.1 - 2mm per metre.

Alternative standards and grades available on request.

# Merchant Bar

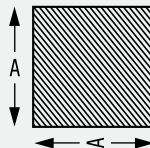


## MILD STEEL SQUARES

**Product Shortname:** FL

**Specifications:** AS/NZS 3679.1-G300  
AS 1442-1022 (billets)  
ASTM A36  
JIS G3101-SS400

**Size Designations:** Cross Sectional Area = width x thickness = mm<sup>2</sup>  
Mass per metre = A(mm<sup>2</sup>) x 0.00785 = kg/m  
Metres/tonne =  $\frac{1000}{\text{kg/m}}$  = metres



**Size Range Available:**

Size (mm)	Mass per Metre (kg/m)
10 x 10	0.79
12 x 12	1.13
16 x 16	2.01
19 x 19	2.83
25 x 25	4.91
32 x 32	8.04

Size (mm)	Mass per Metre (kg/m)
40 x 40	12.57
45 x 45	15.91
50 x 50	19.64
65 x 65	33.19
75 x 75	44.18

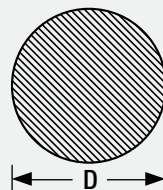
**Available on indent.** Standard stock length is 6 metres.

## MILD STEEL ENGINEERING ROUNDS

**Product Shortname:** PB30, PB50, ER

**Specifications:** AS/NZS 3679.1-300  
AS/NZS 4671-300  
AS/NZS 4671-500 (on indent only)  
AS 1442  
JIS G3101-SS400

**Size Designations:** Mass per Metre = (Diameter D (mm))<sup>2</sup> x 0.006165 = kg/m  
By diameter Metres per Tonne =  $\frac{1000}{\text{kg/m}}$  = metres



**Size Range Available:**

Size (mm)	Mass per Metre (kg/m)
10	0.617
12	0.888
16	1.578
20	2.466
24	3.551
25	3.853
28	4.834
33	6.714
36	7.990

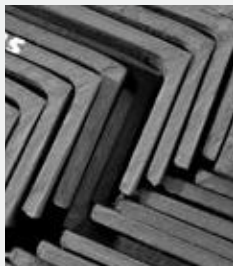
Size (mm)	Mass per Metre (kg/m)
39	9.380
45	12.480
50	15.410
56	19.330
60	22.190
65	26.050
70	30.210
75	34.680
80	39.460

Size (mm)	Mass per Metre (kg/m)
90	49.940
100	61.650
110	74.600
120	88.780
130	104.200
140	120.800
150	138.700
160	157.800
200	246.600

**Available on indent.**

Standard stock length is 6 metres. Engineering rounds can be cut to length on request. See the Special Steel Book for more information. **Straightness Tolerance** AS/NZS 3679.1-300 3mm per metre.

# Merchant Bar



## MILD STEEL ANGLES

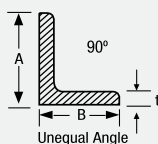
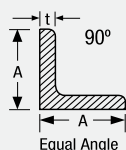
**Product Shortname:** ANG

**Specifications:**

AS/NZS 3679.1-300  
AS/NZS 3679.1-350  
on EN10025-1,2 275JR  
JIS G3101-SS400

**Size Designations:**

Mass per Metre = area of section (m<sup>2</sup>) x 0.00785 = kg/m  
Metres per Tonne = 1000 / kg/m = metres



**Size Range Available:**

### EQUAL ANGLES

Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)
20 x 20 x 3	0.88	65 x 65 x 6	5.87	100 x 100 x 8	12.20
25 x 25 x 3	1.19	65 x 65 x 8	7.51	100 x 100 x 10	15.00
25 x 25 x 5	1.77	65 x 65 x 10	9.02	100 x 100 x 12	17.70
30 x 30 x 3	1.35	75 x 75 x 5	5.30	125 x 125 x 8	14.90
30 x 30 x 5	2.18	75 x 75 x 6	6.81	125 x 125 x 10	18.00
40 x 40 x 3	1.83	75 x 75 x 8	8.73	150 x 150 x 10	21.90
40 x 40 x 5	2.97	75 x 75 x 10	10.50	150 x 150 x 12	27.30
50 x 50 x 3	2.31	*80 x 80 x 6	7.30	150 x 150 x 16	35.40
50 x 50 x 5	3.77	*80 x 80 x 8	9.70	200 x 200 x 13	40.00
50 x 50 x 6	4.47	90 x 90 x 6	8.22	200 x 200 x 16	48.70
50 x 50 x 8	5.82	90 x 90 x 10	12.70		
*60 x 60 x 6	5.40	100 x 100 x 6	9.16		

### UNEQUAL ANGLES

Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)
65 x 50 x 6	5.16	100 x 75 x 10	12.40	150 x 90 x 12	21.60
75 x 50 x 5	4.37	125 x 75 x 6	9.16	150 x 100 x 10	18.00
75 x 50 x 6	5.63	125 x 75 x 8	11.80	150 x 100 x 12	22.50
100 x 75 x 6	7.98	125 x 75 x 10	14.20		
100 x 75 x 8	10.30	150 x 90 x 10	17.30		

\*Available to EN specification only. Standard stock length is 6m. Some larger angles are available in 9 and 12m lengths. Straightness Tolerance AS/NZS 3679.1-300 2mm per metre. Other sizes and lengths available on indent.

# Merchant Bar



## GALVANIZED FLATS

**Product Shortname:** GFL

**Grade:** C350L0

A uniform coating of zinc with a minimum mass of 100g/m<sup>2</sup> giving protection for many applications.

### Grade and Mechanical Properties:

Grade	Minimum Yield Stress MPa	Minimum Tensile Strength MPa
C350L0	350	400

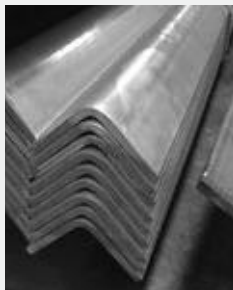
### Size Range Available:

Size	Mass per Metre (kg/m)	Size	Mass per Metre (kg/m)	Size	Mass per Metre (kg/m)
50 x 4.0	1.49	100 x 5.0	3.69	200 x 6.0	9.42
50 x 5.0	1.84	100 x 6.0	4.71	200 x 8.0	12.60
65 x 4.0	1.94	100 x 8.0	6.28	250 x 5.0	9.22
65 x 5.0	2.40	130 x 5.0	4.80	250 x 8.0	15.70
75 x 4.0	2.24	150 x 5.0	5.53	300 x 5.0	11.10
75 x 5.0	2.77	150 x 6.0	7.07	300 x 8.0	18.80
90 x 6.0	4.24	150 x 8.0	9.42		
100 x 4.0	2.98	200 x 5.0	7.38		

Available on indent

Standard stock length is 6m. Other lengths available on indent

# Merchant Bar



## GALVANIZED ANGLES

**Product Shortname:** GANG

**Grade:** 350L0

A uniform coating of zinc with a minimum mass of 100g/m<sup>2</sup> giving protection for many applications.

### Grade and Mechanical Properties:

Grade	Minimum Yield Stress MPa	Minimum Tensile Strength MPa
C350L0	350	400

### Size Range Available:

EQUAL ANGLES					
Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)
30 x 30 x 2.5	1.06	65 x 65 x 4.0	3.69	100 x 100 x 6.0	8.92
40 x 40 x 2.5	1.43	65 x 65 x 5.0	4.52	100 x 100 x 8.0	11.70
40 x 40 x 4.0	2.20	65 x 65 x 6.0	5.62	125 x 125 x 4.0	7.27
45 x 45 x 2.5	1.62	75 x 75 x 4.0	4.29	125 x 125 x 5.0	8.95
45 x 45 x 4.0	2.50	75 x 75 x 5.0	5.26	125 x 125 x 8.0	14.90
50 x 50 x 2.5	1.81	75 x 75 x 6.0	6.56	150 x 150 x 5.0	10.80
50 x 50 x 4.0	2.79	75 x 75 x 8.0	8.59	150 x 150 x 8.0	18.00
50 x 50 x 5.0	3.42	90 x 90 x 5.0	6.37		
50 x 50 x 6.0	4.21	90 x 90 x 8.0	10.50		

UNEQUAL ANGLES					
Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)	Size (mm)	Mass per Metre (kg/m)
75 x 50 x 4.0	3.54	100 x 75 x 8.0	10.20	150 x 100 x 6.0	11.30
75 x 50 x 5.0	4.34	125 x 75 x 6.0	8.92	150 x 100 x 8.0	14.90
100 x 75 x 6.0	7.74	125 x 75 x 8.0	11.70		

Available on indent

Standard stock length is 6m. Other lengths available on indent.

# Merchant Bar



## GALVANIZED CHANNELS

**Product Shortname:** GCH

**Grade:** C350L0

A uniform coating of zinc with a minimum mass of 100g/m<sup>2</sup> giving protection for many applications.

### Grade and Mechanical Properties:

Grade	Minimum Yield Stress MPa	Minimum Tensile Strength MPa
C350L0	350	400

### Size Range Available:

Size	Thickness	Length
75 x 40	4.0	6m, 9m
100 x 50	4.0	9m
125 x 65	4.0	9m
150 x 75	5.0	12m

Size	Thickness	Length
180 x 75	5.0	12m
200 x 75	5.0	12m
200 x 75	6.0	12m
230 x 75	6.0	12m

Size	Thickness	Length
250 x 90	6.0	12m
300 x 90	6.0	12m
300 x 90	8.0	12m

### Available on indent

Standard stock lengths listed.

Not all lengths listed available in all branches.

Other lengths are available on indent.

# Reinforcing and Mesh



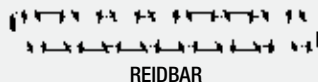
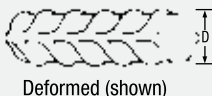
# Reinforcing and Mesh



## REINFORCING ROUNDS

**Product Shortname:** D Deformed Bar Grade 300E MA (Micro Alloyed)  
 HD Deformed Bar Grade 500E MA (Micro Alloyed)  
 RB Reid Bar Grade 500E MA (Micro Alloyed)

**Specifications:** AS/NZS 4671 - Grade 300E/500E



### Standard Size Range Available:

Diameter (D) (mm)	Mass per Metre (kg/m)	Grade 300E	Grade 500E	Reid Bar (black and galv)
10	0.617	✓	✓	
12	0.888	✓	✓	✓
16	1.578	✓	✓	✓
20	2.466	✓	✓	✓
25	3.853	✓	✓	✓
32	6.313	✓	✓	✓
40	9.864		✓	

**Available on indent** Standard stock length in deformed bar is 6 metres. Reid bar standard stock lengths are 6 metre, 9 metre and 12 metre



## TIE WIRE

**Product Shortname:** TIEW

**Specification:** 1.6mm available in 50kg coils  
 2.5mm available in 50kg coils  
 3.15mm available in 50kg coils

Shorter lengths in 1.6mm diameter available on request.



# Reinforcing and Mesh

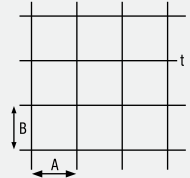


## REINFORCING MESH

**Product Shortname:** MESH

**Specification:**

Super Ductile Grade 500E (seismic) manufactured to AS/NZS 4671



**Size Designation:**

Space between wire 'A' (mm) x Space between wire 'B' (mm) x Gauge 't'

**Size Range Available:**

Super Ductile Mesh - North Island				
	Opening (A x B x t)	Sheet Size	Net Cover (m <sup>2</sup> ) approx	Gross Sheet Weight (kg)
SE62Res NI	200 x 200 x 6.1mm	5.05 x 2.02m	8.31	24.79
SE62 NI	200 x 200 x 6.1mm	5.85 x 2.42m	11.93	34.10
SE73DE NI	300 x 300 x 7.5mm	5.00 x 2.27m	10.08	30.69
SE72 NI	200 x 200 x 7.0mm	5.65 x 2.22m	10.43	39.93
SE82 NI	200 x 200 x 8.0mm	5.65 x 2.22m	10.43	52.16
Super Ductile Mesh - South Island				
SE62Res SI	200 x 200 x 6.1mm	5.05 x 2.02m	8.64	24.84
SE62 SI	200 x 200 x 6.1mm	6.05 x 2.42m	12.76	35.33
SE73DE SI	300 x 300 x 7.5mm	5.00 x 2.27m	10.08	29.21
SE72 DE SI	200 x 200 x 7.0mm	6.42 x 2.37m	13.64	48.63
SE82 DE SI	200 x 200 x 8.0mm	6.42 x 2.37m	13.64	62.03

Hard Drawn Mesh				
	Opening (A x B x t)	Sheet Size	Net Cover (m <sup>2</sup> ) approx	Gross Sheet Weight (kg)
<b>10m<sup>2</sup> (nominal)</b>				
668L	150 x 150 x 4.0mm	4.56 x 1.98m	7.52	12.34
665L	150 x 150 x 5.3mm	4.56 x 1.98m	7.52	21.69
663L	150 x 150 x 6.3mm	4.56 x 1.98m	7.52	30.72
338	75 x 75 x 4.0mm	4.65 x 2.05m	7.98	25.34
335	75 x 75 x 5.3mm	4.65 x 2.05m	7.98	44.51
333	75 x 75 x 6.3mm	4.65 x 2.05m	7.98	62.89
<b>Double Edge*</b>				
84/10	300 x 50 x 300 x 5.6mm	5.00 x 2.24m	10.08	16.00
147/10	300 x 50 x 300 x 7.5mm	5.00 x 2.24m	10.08	28.63

See Fletcher Reinforcing mesh guide for more information

# Structural Sections



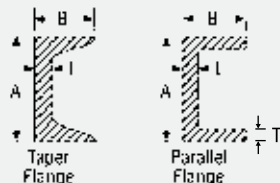
# Structural Sections



## MILD STEEL CHANNELS

**Product Shortname:** CH

**Specifications:** AS/NZS 3679.1-300S0  
AS/NZS 3679.1-350 (on indent)  
EN 10025-1, 2



### Size Designation:

Mass per Metre  
Metres per Tonne

= area of section x 0.00785 = kg/m  
=  $\frac{1000}{\text{kg/m}}$  = metres

### Size Range:

Size (A x B)	Mass per Metre kg/m	Flange thickness (T) (mm)	Web thickness (t) (mm)	Area of section (mm <sup>2</sup> )
TF 50 x 25	3.86			
PF 75 x 40	5.92	6.1	3.8	754
PF 100 x 50	8.33	6.7	4.2	1060
PF 125 x 65	11.9	7.5	4.7	1520
PF 150 x 75	17.7	9.5	6	2250
PF 180 x 75	20.9	11	6	2660
PF 200 x 75	22.9	12	6	2920
PF 230 x 75	25.1	12	6.5	3200
PF 250 x 90	35.5	15	8	4520
PF 300 x 90	40.1	16	8	5110
PF 380 x 100	55.2	17.5	10	7030

Standard lengths are 6, 9, 10.5, 12, 13.5, 15, 16.5 and 18 metres.

Not all lengths are available ex-stock in all sizes. Non-stocked lengths available on indent.

### Out of Square Tolerance (Parallel Flange):

75mm x 40mm	1.15mm	100mm x 50mm	1.52mm
125mm x 65mm	1.95mm	150mm x 75mm	2.25mm

For more detailed information and additional properties, please contact Easysteel.

# Structural Sections



## COLD FORMED CHANNEL-LIPPED

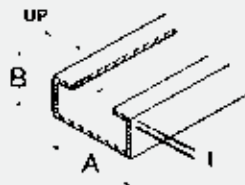
**Product Shortname:** CRCH

**Specifications:**

Manufactured from steel to AS 1594-HA250

**Size Designation:**

Depth 'A' (mm) x Width of Section 'B' (mm) x Thickness 't' (mm)



**Size Range:**

Nominal Sizes (mm)	Actual Dimensions (mm)	Mass per Metre (kg/m)	Width of Lip (mm)
50 x 25 x 3	50 x 25	2.53	9.5
75 x 40 x 3	76 x 38	3.77	9.5
100 x 50 x 3	102 x 51	5.28	12.7

Larger sizes are available in purlins.



## COLD FORMED CHANNEL-PLAIN

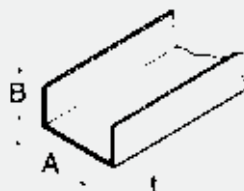
**Product Shortname:** CRCH

**Specifications:**

Manufactured from steel to AS 1594-HA250

**Size Designation:**

Depth 'A' (mm) x Width of Section 'B' (mm) x Thickness 't' (mm)



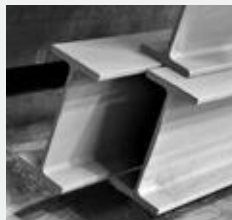
**Size Range:**

Nominal Sizes (mm)	Actual Dimensions (mm)	Mass per Metre (kg/m)
50 x 25 x 3	50 x 25	2.31
75 x 40 x 3	76 x 38	3.61
100 x 50 x 3	102 x 51	4.90

Alternative sizes available on indent.

Larger sizes are available in purlins.

# Structural Sections



## UNIVERSAL BEAMS

**Product Shortname:** UB

**Specifications:**

EN 10025-1, 2 (on indent)

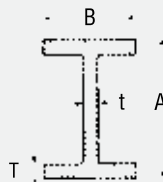
AS/NZS 3679.1-300S0

AS/NZS 3679.1-350 (on indent)

Depth of Section 'A' (mm)

x Mass per Metre (kg/m)

**Size Designation:**



### Size Range:

Size	Mass per Metre kg/m	Depth of Section A (mm)	Width of Section B (mm)	Flange Thickness T (mm)	Web Thickness t (mm)
150 x 14	14.0	150	75	7	5
150 x 18	18.0	155	75	9.5	6
180 x 18	18.1	175	90	8	5
180 x 22	22.2	179	90	10	6
200 x 18	18.2	198	99	7	4.5
200 x 22	22.3	202	133	7	5
200 x 25	25.4	203	133	7.8	5.8
200 x 30	29.8	207	134	9.6	6.3
250 x 26	25.7	248	124	8	5
250 x 31	31.4	252	146	8.6	6.1
250 x 37	37.3	256	146	10.9	6.4
310 x 32	32.0	298	149	8	5.5
310 x 40	40.4	304	165	10.2	6.1
310 x 46	46.2	307	166	11.8	6.7
360 x 45	44.7	352	171	9.7	6.9
360 x 51	50.7	356	172	11.5	7.3
360 x 57	56.7	359	172	13	8.0
410 x 54	53.7	403	178	10.9	7.6
410 x 60	59.7	406	178	12.8	7.8
460 x 67	67.1	454	190	12.7	8.5
460 x 75	74.6	457	190	14.5	9.1
460 x 82	82.1	460	191	16	9.9
530 x 82	82.0	528	209	13.2	9.6
530 x 92	92.4	533	209	15.6	10.2
610 x 101	101	602	228	14.8	10.6
610 x 113	113	607	228	17.3	11.2
610 x 125	125	612	229	19.6	11.9

Standard lengths are 6, 9, 10.5, 12, 13.5, 15, 16.5 and 18 metres.

Not all lengths are available ex-stock in all sizes. Non-stocked lengths available on indent. For more detailed information and additional properties, please contact Easysteel.

# Structural Sections



## UNIVERSAL COLUMNS

**Product Shortname:** UC

**Specifications:**

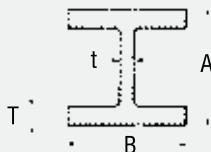
EN 10025-1, 2 (on indent)

AS/NZS 3679.1-300S0

AS/NZS 3679.1-300S0 (indent only)

**Size Designation:**

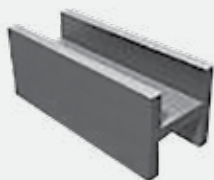
Flange Width 'B' (mm) x Mass per metre (kg/m)



**Size Range Available:**

Size	Mass per Metre (Kg/m)	Depth of Section A (mm)	Width of Section B (mm)	Flange Thickness T (mm)	Web Thickness t (mm)
100 x 15	14.8	97	99	7	5
150 x 23	23.4	152	152	6.83	6.1
150 x 30	30	158	153	9.37	6.55
150 x 37	37.2	162	154	11.5	8.13
200 x 46	46.2	203	203	11	7.32
200 x 52	52.2	206	204	12.5	8
200 x 60	59.5	210	205	14.2	9.27
250 x 73	72.9	254	254	14.2	8.64
250 x 90	89.5	260	256	17.3	10.5
310 x 97	96.8	308	305	15.4	9.91
310 x 118	118	315	307	18.7	11.9
310 x 137	137	320	309	21.7	13.8
310 x 158	158	327	311	25.0	15.7

Standard lengths are 6, 9, 10.5, 12, 13.5, 15, 16.5 and 18 metres. Not all lengths are available ex-stocked in all sizes. Non-stock lengths available on indent. For more detailed information and additional properties, please contact Easysteel.



## WELDED BEAMS/COLUMNS

**Tapered and Parallel Flange available**

**Specifications:**

AS/NZS 3679.2

**Size Range:**

Plate Dimensions	Minimum	Maximum
Flange Thickness (mm)	8	100
Flange Width (mm)	162	600
Web Thickness (mm)	5	50
Web Depth (mm)	200	2,400
Length (mm)	3,500 to 23,500*	

\*30,500 by special arrangement

# Structural Sections

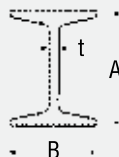


## ROLLED STEEL JOISTS

**Product Shortname:** RSJ

**Specifications:** AS/NZS 3679.1-300

**Size Designation:** Depth of section 'A' (mm)  
x Mass per metre (kg/m)



### Size Range:

Size	Mass per Metre (Kg/m)	Depth of Section A (mm)	Width of Section B (mm)	Flange Thickness T (mm)	Web Thickness t (mm)	Length
100 x 45 x 7	7.2	102	44.5	6.07	4.32	9m
125 x 65 x 13	13.1	125	60	8	6	6m, 12m

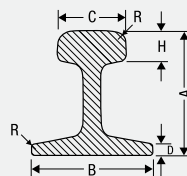


## PLAIN CARBON RAIL

**Product Shortname:** RAIL

**Specifications:** JISE1103 / AS1085, Part 1

### Size Range:



Kg/m							
10	15	22	30	41	50	53	60

Available on indent. For more information please contact Easysteel.

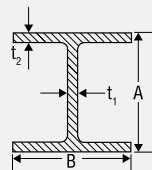


## H BEARING PILES & LARGE STRUCTURAL SECTIONS

**Product Shortname:** UC / UB

**Specification:** ASTM A36  
AS/NZS 3679.1-300  
BS 4360 43A/50B  
EN 10025-1, 2 S355JR

**Size Range:**  
Available on indent.



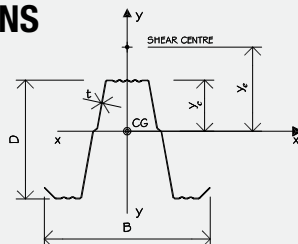
# Structural Sections



## DIMOND TOP NOTCH PURLINS

**Specifications:** AS 1397

**Size Designation:**  
Depth 'D' (mm) and Thickness 't' (mm)



### Size Range Available:

Top Notch Section	Depth of Section D (mm)	Width of Section B (mm)	Thickness t (mm)	Area of Section A (mm <sup>2</sup> )	Mass per unit length (kg/m)	Centre of Gravity Y <sub>c</sub> (mm)	Shear Centre Y <sub>e</sub> (mm)
60 x 0.75	60	108	0.75	150	1.24	31.5	44.2
60 x 0.95	60	108	0.95	191	1.56	31.5	44.2
100 x 0.75	100	163	0.75	248	2.04	55.2	67.4
100 x 0.95	100	163	0.95	314	2.56	55.2	67.4
120 x 0.75	120	170	0.75	278	2.28	65.6	82.3
120 x 0.95	120	170	0.95	352	2.86	65.6	82.3
150 x 0.95	150	183	0.95	411	3.34	81.0	103.9
150 x 1.15	150	183	1.15	497	4.02	81.0	103.9

Notes: Mass assumes a total coated weight for the standard zinc coating of Z 275 (275 g/m<sup>2</sup>).

Tabulated properties are based on full unreduced gross sections.

### Top Notch Specification and Tolerance

Top Notch	Base Metal Thickness (BMT)(mm)	Steel Grade	Yield Strength f <sub>y</sub> (MPa)	Zinc Weight (Z) (g/m <sup>2</sup> )
	0.75	G550	550	275
	0.95	G550	550	275
	1.15	G500	500	275
<b>Tolerances</b>	<b>Size</b>	<b>60</b>	<b>100/120</b>	<b>150</b>
	Overall Depth (mm)	±1	±2	±3
	Overall Width (mm)	±1	±2	±3
	Top Web Width (mm)	±1	±1	±1

Notes: Dimond Top Notch Purlins are manufactured by roll forming galvanized steel coil produced to AS 1397.

Z 450 zinc weight coil can be supplied with order lead times of up to 12 weeks. Please discuss with Dimond on 0800 DIMOND.



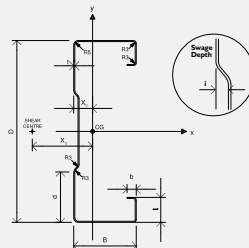
# Structural Sections



## DIMOND HI-SPAN PURLINS

**Specifications:** AS 1397

**Size Designation:**  
Depth 'D' (mm) and Rationalized Thickness 't' (mm)



### Size Range Available:

DHS Section	Depth of Section D (mm)	Width of Section B (mm)	Thickness t (mm)	Mass (kg/m)	Weight (kN/m)	d (mm)	Swage Depth i (mm)	b (mm)	l (mm)	$x_c$ (mm)	$x_o$ (mm)
DHS 150/12	150	65	1.15	2.99	0.030	54	4	10	23	24.0	56.6
DHS 150/15	150	65	1.45	3.74	0.037	54	4	10	23	23.9	56.1
DHS 200/12	200	75	1.15	3.71	0.037	62	4	10	28	26.3	62.0
DHS 200/15	200	75	1.45	4.65	0.046	62	4	10	28	26.2	61.4
DHS 200/18	200	75	1.75	5.59	0.055	62	4	10	28	26.1	60.8
DHS 250/13	250	85	1.25	4.87	0.048	67	6	12	33	29.4	67.1
DHS 250/15	250	85	1.45	5.63	0.056	67	6	12	33	29.3	66.7
DHS 250/18	250	85	1.75	6.76	0.067	67	6	12	33	29.3	66.2
DHS 300/15	300	100	1.45	6.66	0.066	67	7	12	38	34.0	76.1
DHS 300/18	300	100	1.75	8.01	0.079	67	7	12	38	33.9	75.6
DHS 350/18	350	100	1.75	8.83	0.087	77	7	12	43	32.7	73.4
DHS 400/20	400	100	1.95	10.74	0.106	79	7	12	48	31.8	70.9

Notes: Mass assumes a total coated weight for the standard zinc coating of Z 275 (275 g/m<sup>2</sup>)

Tabulated properties are based on full unreduced gross sections.

### DHS Specification and Tolerance

	Base Metal Thickness (BMT)(mm)	Steel Grade	Yield Strength $f_y$ (MPa)	Zinc Weight (Z) (g/m <sup>2</sup> )
DHS Purlins and Girts	< 1.5	G500	500	Z 275
	> 1.5	G450	450	Z 275
Tolerances	Depth	+/-2mm		
	Width	+/-2mm		
	Hole Centres	+/-1.5mm		
	Length	+/-6mm		
	Web/Flange Angle	89-93 degrees		

Notes: Dimond Hi-Span Purlins are manufactured by roll forming galvanized steel coil produced to AS 1397.

Z 450 zinc weight coil can be supplied with order lead times of up to 12 weeks. Please discuss with Dimond on 0800 DIMOND.

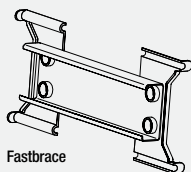
# Structural Sections

## DIMOND DHS PURLIN BRACING

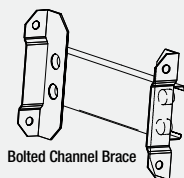
**Specifications:** AS 1397

**Size Designation:**

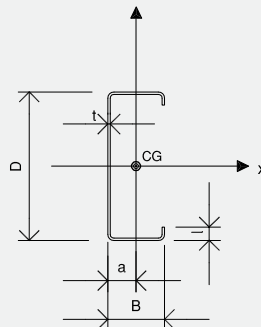
Depth 'D' (mm) and Rationalised Thickness 't' (mm)



Fastbrace



Bolted Channel Brace



**Channel Section Data:**

CODE	D x B (mm)	t (mm)	Mass (kg/m)	Weight (kN/m)	Area (mm <sup>2</sup> )	L (mm)	a (mm)
DB 89 / 12	89 x 34	1.15	1.52	0.015	186.3	6	9.17

Notes: Mass assumes a total coated weight for the standard zinc coating of Z 450 (450 g/m<sup>2</sup>).

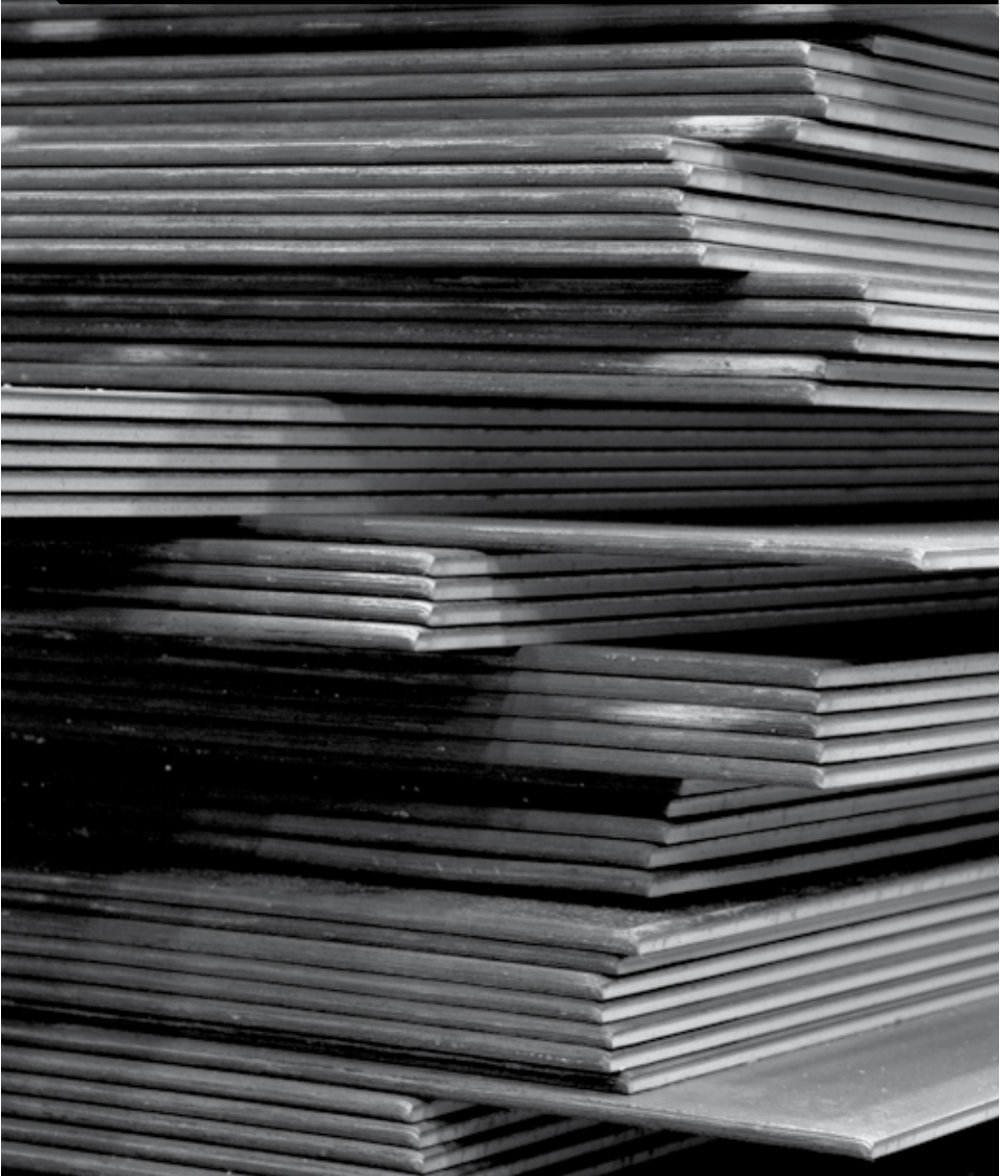
Tabulated properties are based on full unreduced gross sections.

**Bracing Specification and Tolerance**

	Base Metal Thickness (BMT)(mm)	Steel Grade	Yield Strength $f_y$ (MPa)	Zinc Weight (Z) (g/m <sup>2</sup> )
Bracing channel	1.15	G250	250	450
End cleats	2.00	G250	250	450
Tolerances	Depth	$\pm 1$ mm		
	Width	$\pm 1$ mm		
	Length	$\pm 2$ mm		
	Web/Flange Angle	89 to 93 degrees		

Note: Dimond DHS Purlin Bracing is manufactured by roll forming galvanized steel coil produced to AS 1397.

# Plate



# Plate



## MILD STEEL PLATE

**Product Shortname:** PL

**Specifications:** AS/NZS 1594 HA250  
AS/NZS 3678 G250  
JIS G3101 SS400  
AS/NZS 1594 HA300  
AS/NZS 3678 G300

**Size Designation:** Length (m) x Width (mm) x Thickness (mm)

### Sizes:

MILD STEEL PLATE (G250 & G300)																						
Length x Width (mm)	Thickness (mm)																					
	3	4	5	6	8	10	12	16	20	25	32	40	50	60	65	80	100	120	130	150		
2400 x 1220	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
2700 x 2400																					✓	
3000 x 1520	✓	✓	✓	✓	✓	✓																
3100 x 2400																			✓			
3400 x 2400																		✓				
3600 x 1520		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											
3600 x 1800	✓		✓	✓																		
4000 x 2400																		✓				
5200 x 2400																	✓					
5800 x 1800		✓	✓	✓																		
6000 x 1520			✓	✓																		
6000 x 2400				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
7600 x 2400				✓																		
9000 x 2400				✓		✓																

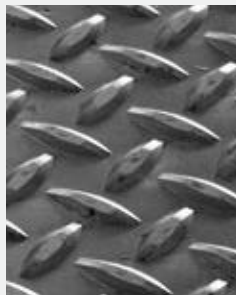
✓ = HA250/G250/SS400    ✓ = HA300/G300

14mm, 18mm, 22mm & 28mm available on inquiry

**Weight Calculation:** kilograms = length (m) x width (m) x plate thickness (mm) x 7.85

Other sizes available on indent.

\*Refer to page 101 for Easycut Profiling Service.



## MILD STEEL CHEQUER PLATE

**Product Shortname:** CHEQ

**Specifications:** AS/NZS 1594 HA1  
AS/NZS 1594 G250 (on indent)

**Size Designation:** Length (m) x Width (mm) x Thickness (mm)

**Plate Pattern:** Two plate patterns are available depending on source



Bluescope Steel  
(1800mm or 2100mm wide)



New Zealand Steel  
(1220mm or 1520mm wide)

Length x width (mm)	Thickness (mm)					
	3	3.2	5	6	8	10
2400 x 1220	✓		✓	✓	✓	✓
3600 x 1520		✓	✓	✓		

**Weight Calculation:** Extra weight of chequers length (m) x width (m) x 2.1 = kg/plate

Total weight: length (m) x width (m) x thickness (mm) x 7.85 + extra weight = kg/plate

Eg:

2400 x 1220 x 6mm Chequer Plate

Extra weight:  $2.4 \times 1.22 \times 2.1 = 6.15$  kg/plate

Total weight:  $(2.4 \times 1.22 \times 6 \times 7.85) + 6.15 = 144.06$  kg/plate

Easysteel offers a full range of flooring products including Plank (p 79), Grating (p 77) and Gridmesh (p 73).

\* Refer to page 98 for Easycut Profiling Service.

# Plate



## ATMOSPHERIC CORROSION RESISTANT STEEL PLATES (CORTEN)

**Product Shortname:** PLME

**Specifications:** AS/NZS 1594 HW350  
JIS G3125 SPA-H (Weathering Steel)

**Size Designation:** Length (m) x Width (mm) x Thickness (mm)

Length x width (mm)	Thickness (mm)				
	2.5	3	4	5	6
2500 x 1250	✓	✓	✓	✓	✓
3600 x 1520		✓	✓	✓	

Atmospheric corrosion resistant steel plates are available on an ex-stock and indent basis.

**Weight Calculation:** kilograms = length (m) x width (m) x plate thickness (mm) x 7.85

\* Other sizes available on indent

\* Refer to page 98 for Easycut Profiling Service.



## MEDIUM STRENGTH PLATE

**Product Shortname:** PLME

**Specifications:** AS/NZS 3678 G350  
JIS G3106 SS490YA

**Supplied Conditions:** Tensile Strength: 490 ~ 620 MPa, 350MPa Yield Strength  
(compared with Mild Steel Plate: 430-540MPa, Tensile Strength: 250MPa Yield Strength)

**Size Designation:** Length (m) x Width (mm) x Thickness (mm)

Length x width (mm)	Thickness (mm)										
	5	6	8	10	12	16	20	25	32	40	50
6000 x 2400	✓	✓									
6000 x 2500			✓	✓	✓	✓	✓	✓	✓	✓	
7600 x 2400										✓	✓

**Weight Calculation:** kilograms = length (m) x width (m) x plate thickness (mm) x 7.85.

Medium strength plate is available on an ex-stock and indent basis.  
We offer a cut to size service through our service centres.

\* Other sizes available on indent

\* Refer to page 98 for Easycut Profiling Service.



## BOILER QUALITY PLATE

**Product Shortname:** PLB0

**Specifications:** AS 1548 PT460T (6mm only)  
AS 1548 PT460NR

**Size Designation:** Length (m) x Width (mm) x Thickness (mm)

Length x width (mm)	Thickness (mm)												
	6	8	10	12	16	20	25	32	40	50	60	80	100
5400 x 2400									✓				
6000 x 2400	✓	✓	✓	✓	✓	✓	✓	✓					

Other sizes and grades available on indent.

# Plate



## HIGH STRENGTH PLATE GRADE 80

**Product Shortname:** PLHI

### Description:

A high strength quenched and tempered plate, Grade 80 is approximately three times stronger than mild steel.

### Supplied Conditions:

	Strenx 700MC	Bisalloy 80	JFE HITEN780LE	NSSMC Welten 780E
<b>Yield Strength</b>	700	690	685	686
<b>Tensile Strength</b>	750 - 930	790 - 930	780 - 930	785 - 932
<b>Elongation (16mm)</b>	15% min (3mm)	18%	24%	24%

**Size Designation:** Length (m) x Width (mm) x Thickness (mm)

### Size Range Available:

HIGH STRENGTH PLATES																		
	Length x Width (mm)	Thickness (mm)																
		3	4	5	6	8	10	12	16	20	25	32	40	50	60	65	80	100
Strenx 700 Range	5000 X 1250	✓																
	5000 X 1500		✓															
	6000 x 1500			✓	✓	✓												
	9000 x 1500			✓	✓													
Bis80 / Hiten 780 / Welten 780	6000 X 2500				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	9000 x 2500				✓	✓	✓	✓	✓	✓								
	3000 X 2500																	✓

**Weight Calculation:** kilograms = length (m) x width (m) x plate thickness (mm) x 7.85

Note: When fabricating high strength and wear resistant plate special procedures must be followed. Please contact your local Easysteel branch for further information.

\* Refer to page 98 for Easycut Profiling Service.





## WEAR RESISTANT PLATE GRADE 400, GRADE 500

**Product Shortname:** PLWE

### Description:

Abrasion resistant steel plate which has a longer life expectancy than mild steel. Abrasion resistant plate offers high resistance to both wear and impact applications. This can be a cost effective choice for equipment subjected to high levels of impact wear.

### Supplied Conditions:

GRADE 450	Bisalloy 450	JFE EH450	NSSMC Abrex 450
Tensile	1320	1316	1325
Elongation	14%	19.8%	25%
Hardness (HB)	425-450	425-450	410-490 (aiming 450)

GRADE 500	Bisalloy 500	JFE EH500	NSSMC Abrex 500
Tensile	1640	1449	1552
Elongation	10%	17.7%	21%
Hardness (HB)	477 - 534	477 min	450 - 550

**Size Designation:** Length (m) x Width (mm) x Thickness (mm)

### Size Range Available:

Thickness: 4mm to 40mm  
Widths: 2500mm  
Length: 6000mm








**Weight Calculation:** kilograms = length (m) x width (m) x plate thickness (mm) x 7.85

Note: When fabricating high strength and wear resistant plate special procedures must be followed. Please contact your local Easysteel branch for further information.

\* Refer to page 98 for Easycut Profiling Service.






# Plate

## STRUCTURAL STEEL PLATE **INTERNATIONAL STANDARDS COMPARISON**

							
AUSTRALIAN AS 3678	EUROPEAN* EN10025	BRITISH* BS 4360	GERMAN* DIN 17100	JAPANESE JIS	AMERICAN ASTM	INTER- NATIONAL ISO 630	Tensile Strength (MPa)
							290
							300
<b>200</b>			<b>S133</b>				310
					<b>A283A</b>	<b>Fe310-0</b>	330
				<b>G3101-SS330</b>			360
	<b>S235JR</b>	<b>40A,B C,D</b>	<b>S137-2 S137-3</b>		<b>A2383B</b>	<b>Fe360 A, B, C, D</b>	380
					<b>A283C</b>		400
				<b>G3101-SS400 G3106-SM400 A, B, C</b>	<b>A36 A573-400</b>		410
<b>250</b> <b>250L15</b>	<b>S275JR S275J0 S275J2G3 S275J254</b>		<b>S144-2 S144-3</b>		<b>A283D A284C A529 A572-290</b>		430
<b>300, 300L15</b>	<b>Fe430B, C, D1, D2</b>	<b>43A, B, C, D</b>			<b>A633A</b>	<b>Fe430A, B, C, D</b>	450
<b>350</b> <b>350L15</b>					<b>A573-450 A572-345</b>		480
<b>400, 400L15</b>					<b>A573-485</b>		490
	<b>S355JR S355J0 S355J2G3 S355J2G4</b>	<b>50A, B, C, D</b>	<b>S152-3</b>	<b>G3101-SS490 G3106-SM490 A, B, C  G3106-SM490 YA, YB</b>		<b>Fe510 B, C, D</b>	520
<b>450</b> <b>450L15</b>				<b>G3106-SM520 B,C  G3101-SS540</b>	<b>A572-415</b>	<b>Fe510 B,C,D</b>	540

- This table indicates the approximate relationship between Australian grades and their international counterparts.
  - Grades are shown in their increasing tensile strength order. In the case of American ASTM Standards some grades are also shown in the increasing yield strength (YS) order, as their position in the hierarchy is different when based on the yield strength compare to tensile strength (TS).
  - For grades with **BOLD** suffix letters C, D on British, European and International Standards, B, C on Japanese Standards and suffix numbers 2 and 3 on German Standards, the appropriate Australian alternative is the nearest L15 grade of the equivalent strength level (ie High or Medium).
  - Grades readily available are highlighted in black.
  - The grade/s within the same colour band show generally acceptable alternatives, provided relevant design factors are considered. Refer to your Easysteel representative.
- \* EN10025 has replaced BS4360 and DIN17100 Standards.

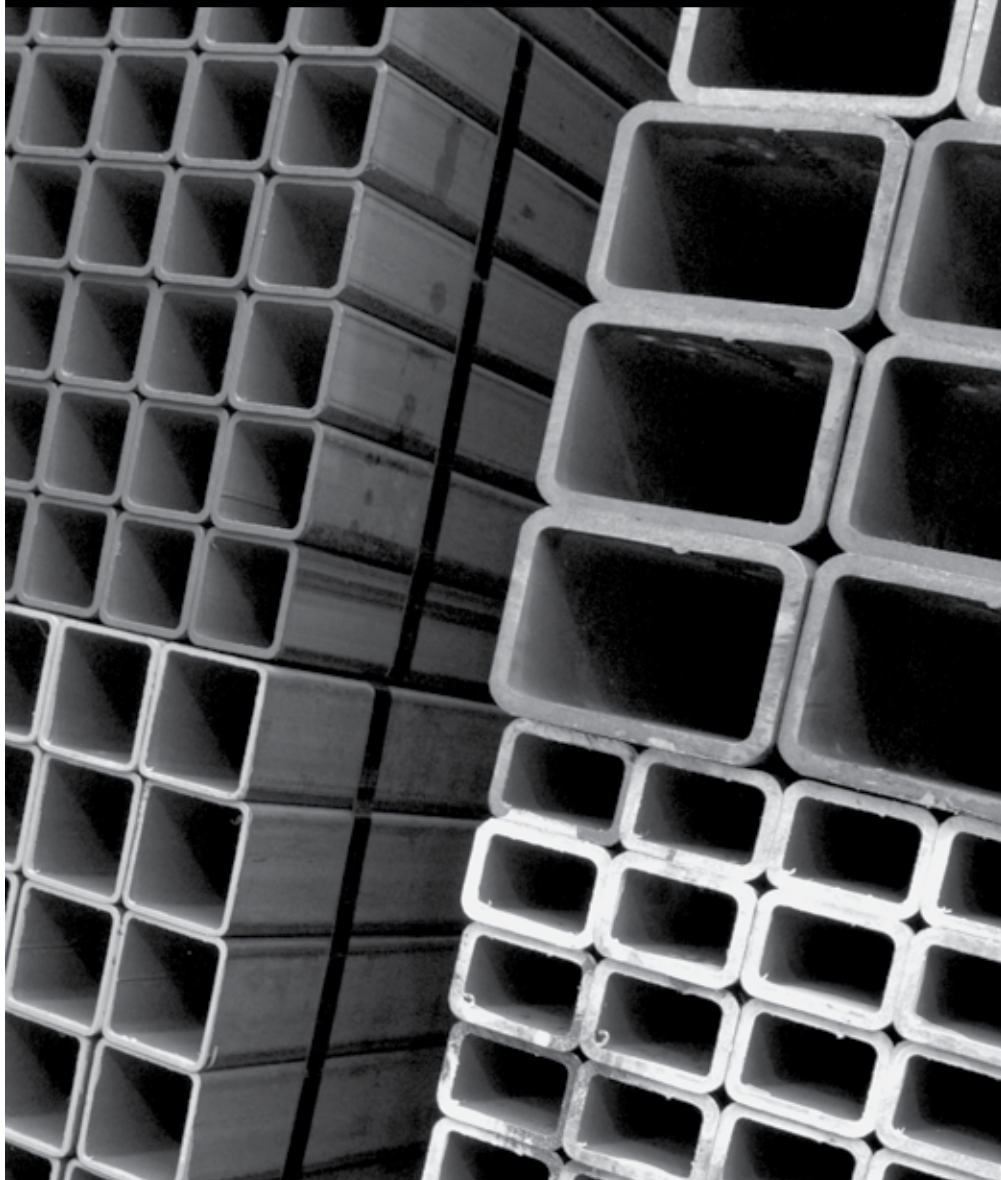
## BOILER QUALITY PLATE INTERNATIONAL STANDARDS COMPARISON

					
Tensile Strength (MPa)	AUSTRALIAN AS 1548	JAPANESE JIS	EUROPEAN EN 10028	AMERICAN ASTM	INTERNATIONAL ISO 9328.2
310				A285-A	
340				A285-B	
360			2-P235GH		P235
380				A285-C A516-55	
390			3-P275N		
400		G3115-SPV235 G3126-SLA235		A662-A	
410		G3103-SB410	2P265GH G3118-SGV410		P265
415				A515-60 A516-60	
430	PT 430NR				
440		G3126-SLA325			
450		G3108-SB450 G3118-SGC450		A515-65 A516-65	
460	PT 460NR		2-P295GH	A662-B	P290
480		G3103-SB480 G3118-SGV480			
490		G3115-SPV315 G3126-SLA360	3-P355N	A515-70 A516-70 A662-C A537-C11 A737-B A841	P315
510			2-P355GH		
520		G3115-SPV355		A299 A738-A	

- This table indicates the approximate relationship between Australian grades and their international counterparts. More detailed comparisons of these Standards/grades can be obtained by contacting your Fletcher Steel representative.
- Grades are shown in their increasing tensile strength order. AS1548-5-490 and equivalent grades have a higher minimum yield strength requirement than the corresponding AS1548-7-490 and equivalent grades.
- Grade equivalence shown is based on room temperature tensile properties only.
- Grades readily available are highlighted in black.
- It may be possible to substitute readily available grades for international grades outside the designated strength band shown, provided relevant design factors are considered. Refer to your Fletcher Easy Steel representative for further information.

Please refer to BlueScope Steels website for more information on Boiler quality plate specifications [www.xlerplate.com.au](http://www.xlerplate.com.au)

# Hollow Sections



# Hollow Sections



## RECTANGULAR/SQUARE HOLLOW SECTIONS

**Product Shortname:** RHS

**Specifications:**

AS1163 Grade min C350L0

ASTM-A500 Grade A/B/C

Mill Finish: Available uncoated or painted

### Product Range Available:

Square Hollow Sections			
Size	Mass (kg/m)	Size	Mass (kg/m)
20 x 20 x 1.6	0.87	100 x 100 x 4.0	11.60
25 x 25 x 1.6	1.12	100 x 100 x 5.0	14.20
25 x 25 x 2.0	1.36	100 x 100 x 6.0	16.70
25 x 25 x 2.5	1.64	100 x 100 x 8.0	21.40
25 x 25 x 3.0	1.89	100 x 100 x 9.0	23.50
30 x 30 x 1.6	1.38	100 x 100 x 10.0	25.60
30 x 30 x 2.0	1.68	125 x 125 x 4.0	14.80
30 x 30 x 2.5	2.03	125 x 125 x 5.0	18.20
30 x 30 x 3.0	2.36	125 x 125 x 6.0	21.40
35 x 35 x 1.6	1.63	125 x 125 x 8.0	27.70
35 x 35 x 2.0	1.99	125 x 125 x 9.0	30.60
35 x 35 x 2.5	2.42	125 x 125 x 10.0	33.40
35 x 35 x 3.0	2.83	150 x 150 x 5.0	22.10
35 x 35 x 4.0	3.46	150 x 150 x 6.0	26.20
40 x 40 x 1.6	1.88	150 x 150 x 8.0	33.90
40 x 40 x 2.0	2.31	150 x 150 x 9.0	37.70
40 x 40 x 2.5	2.82	150 x 150 x 10.0	41.30
40 x 40 x 3.0	3.30	200 x 200 x 5.0	29.90
40 x 40 x 4.0	4.09	200 x 200 x 6.0	35.60
50 x 50 x 1.6	2.38	200 x 200 x 8.0	46.50
50 x 50 x 2.0	2.93	200 x 200 x 9.0	51.80
50 x 50 x 2.5	3.60	200 x 200 x 10.0	57.00
50 x 50 x 3.0	4.25	200 x 200 x 12.5	69.40
50 x 50 x 4.0	5.35	200 x 200 x 16.0	85.50
50 x 50 x 5.0	6.39	250 x 250 x 6.0	45.00
50 x 50 x 6.0	7.32	250 x 250 x 8.0	59.10
65 x 65 x 2.0	3.88	250 x 250 x 9.0	65.90
65 x 65 x 2.5	4.78	250 x 250 x 10.0	72.70
65 x 65 x 3.0	5.66	250 x 250 x 12.5	89.00
65 x 65 x 4.0	7.23	250 x 250 x 16.0	111.00
65 x 65 x 5.0	8.75	300 x 300 x 8.0	71.60
65 x 65 x 6.0	10.10	300 x 300 x 10.0	88.40
75 x 75 x 2.5	5.58	300 x 300 x 12.5	109.00
75 x 75 x 3.0	6.60	300 x 300 x 16.0	136.00
75 x 75 x 3.5	7.53	350 x 350 x 8.0	84.20
75 x 75 x 4.0	8.49	350 x 350 x 10.0	104.00
75 x 75 x 5.0	10.30	350 x 350 x 12.5	128.00
75 x 75 x 6.0	12.00	350 x 350 x 16.0	161.00
89 x 89 x 3.5	9.07	400 x 400 x 10.0	120.00
89 x 89 x 5.0	12.50	400 x 400 x 12.5	148.00
89 x 89 x 6.0	14.70	400 x 400 x 16.0	186.00
100 x 100 x 3.0	8.96		

Rectangular Hollow Sections			
Size	Mass (kg/m)	Size	Mass (kg/m)
50 x 25 x 1.6	1.75	150 x 50 x 5.0	14.20
50 x 25 x 2.0	2.15	150 x 75 x 9.0	27.60
50 x 25 x 2.5	2.62	150 x 100 x 4.0	14.80
50 x 25 x 3.0	3.07	150 x 100 x 5.0	18.20
65 x 35 x 2.0	2.93	150 x 100 x 6.0	21.40
65 x 35 x 2.5	3.60	150 x 100 x 8.0	27.70
65 x 35 x 3.0	4.25	150 x 100 x 9.0	30.60
65 x 35 x 4.0	5.35	150 x 100 x 10.0	33.40
75 x 25 x 1.6	2.38	152 x 76 x 5.0	16.40
75 x 25 x 2.0	2.93	152 x 76 x 6.0	19.40
75 x 25 x 2.5	3.60	200 x 100 x 4.0	17.90
75 x 40 x 3.0	4.95	200 x 100 x 5.0	22.10
75 x 40 x 4.0	6.29	200 x 100 x 6.0	26.20
75 x 50 x 2.0	3.72	200 x 100 x 8.0	33.90
75 x 50 x 2.5	4.58	200 x 100 x 9.0	37.70
75 x 50 x 3.0	5.42	200 x 100 x 10.0	41.30
75 x 50 x 4.0	6.92	250 x 150 x 5.0	29.90
75 x 50 x 5.0	8.35	250 x 150 x 6.0	35.60
75 x 50 x 6.0	9.67	250 x 150 x 8.0	46.50
76 x 38 x 2.5	4.15	250 x 150 x 9.0	51.80
76 x 38 x 3.0	4.90	250 x 150 x 10.0	57.00
76 x 38 x 4.0	6.23	250 x 150 x 12.5	69.40
100 x 50 x 2.0	4.50	250 x 150 x 16.0	85.50
100 x 50 x 2.5	5.56	300 x 200 x 6.0	45.00
100 x 50 x 3.0	6.60	300 x 200 x 8.0	59.10
100 x 50 x 3.5	7.53	300 x 200 x 10.0	72.70
100 x 50 x 4.0	8.49	300 x 200 x 12.5	89.00
100 x 50 x 5.0	10.30	300 x 200 x 16.0	111.00
100 x 50 x 6.0	12.00	350 x 250 x 6.0	54.40
102 x 76 x 3.5	9.07	350 x 250 x 8.0	71.60
102 x 76 x 5.0	12.50	350 x 250 x 10.0	88.40
102 x 76 x 6.0	14.70	350 x 250 x 12.5	109.00
125 x 75 x 3.0	8.96	350 x 250 x 16.0	136.00
125 x 75 x 4.0	11.60	400 x 200 x 8.0	71.60
125 x 75 x 5.0	14.20	400 x 200 x 10.0	88.40
125 x 75 x 6.0	16.70	400 x 200 x 12.5	109.00
127 x 51 x 3.5	9.07	400 x 200 x 16.0	136.00
127 x 51 x 5.0	12.50	400 x 300 x 8.0	84.20
127 x 51 x 6.0	14.70	400 x 300 x 10.0	104.00
150 x 50 x 3.0	8.96	400 x 300 x 12.5	128.00
150 x 50 x 4.0	11.60	400 x 300 x 16.0	161.00

Available on indent

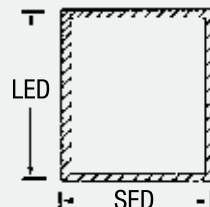
Standard length available is 8.0m. 12.0m lengths available in some larger sizes. Other sizes and lengths are available on indent. Standard finishes are painted and finish (uncoated or lightly oiled).

# Hollow Sections

## PRE-GAL RHS / SHS

**Product Shortname:** GRHS

A uniform coating of zinc, with a minimum mass of 100g/m<sup>2</sup> on BOTH the outside and the inside gives protection for many applications.

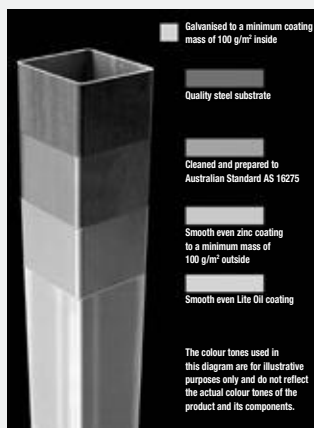


**Specifications:**

AS 1163 Grade min C350L0  
AS/NZS 4792 Galvanised coatings on ferrous hollow sections

**Size Range Available:**

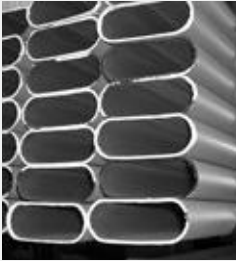
Rectangle Size	Mass (kg/m)	Square Size	Mass (kg/m)	Square Size	Mass (kg/m)
50 x 25 x 1.6	1.75	125 x 75 x 5.0	14.2	50 x 50 x 1.6	2.38
50 x 25 x 2.0	2.15	150 x 50 x 3.0	8.96	50 x 50 x 2.0	2.93
50 x 25 x 2.5	2.62	150 x 50 x 4.0	11.6	50 x 50 x 2.5	3.60
50 x 25 x 3.0	3.07	150 x 50 x 5.0	14.2	50 x 50 x 3.0	4.25
65 x 35 x 2.0	2.93	20 x 20 x 1.6	0.87	50 x 50 x 4.0	5.35
65 x 35 x 2.5	3.60	20 x 20 x 2.0	1.05	50 x 50 x 5.0	6.39
65 x 35 x 3.0	4.25	25 x 25 x 1.6	1.12	65 x 65 x 1.6	3.13
75 x 25 x 1.6	2.38	25 x 25 x 2.0	1.36	65 x 65 x 2.0	3.88
75 x 25 x 2.0	2.93	25 x 25 x 2.5	1.64	65 x 65 x 2.5	4.78
75 x 25 x 2.5	3.60	25 x 25 x 3.0	1.89	65 x 65 x 3.0	5.66
75 x 50 x 2.0	3.72	25 x 25 x 3.0	1.89	65 x 65 x 5.0	8.75
75 x 50 x 2.5	4.58	30 x 30 x 1.6	1.38	65 x 65 x 6.0	10.2
75 x 50 x 3.0	5.42	30 x 30 x 2.0	1.68	75 x 75 x 2.0	4.50
75 x 50 x 4.0	6.92	30 x 30 x 2.5	2.03	75 x 75 x 2.5	5.56
75 x 50 x 5.0	8.35	30 x 30 x 3.0	2.36	75 x 75 x 3.0	6.60
100 x 50 x 2.0	4.50	35 x 35 x 1.6	1.63	75 x 75 x 3.5	7.53
100 x 50 x 2.5	5.56	35 x 35 x 2.0	1.99	75 x 75 x 4.0	8.49
100 x 50 x 3.0	6.60	35 x 35 x 2.5	2.42	75 x 75 x 5.0	10.3
100 x 50 x 3.5	7.53	35 x 35 x 3.0	2.83	89 x 89 x 2.0	5.38
100 x 50 x 4.0	8.49	40 x 40 x 1.6	1.88	89 x 89 x 3.5	9.07
100 x 50 x 5.0	10.3	40 x 40 x 2.0	2.31	89 x 89 x 5.0	12.5
102 x 76 x 3.5	9.06	40 x 40 x 2.5	2.82	100 x 100 x 3.0	8.96
125 x 75 x 3.0	8.96	40 x 40 x 3.0	3.30	100 x 100 x 4.0	11.6
125 x 75 x 4.0	11.6	40 x 40 x 4.0	4.09	100 x 100 x 5.0	14.2



Standard length available is 8.0m. Other lengths are available on indent.

**Welding Information:** No special treatment is required prior to welding.  
SupaGal's carbon equivalent of not greater than 0.39 allows it to be welded without preheat.

# Hollow Sections

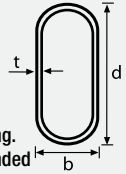


## CATTLE RAIL

**Product Shortname:** CATR

**Product Description:**

Cattle rail, a high strength, light weight solution for stockyards and fencing. Cattle Rail provides the inherent strength of tubular steel in a unique rounded profile which significantly reduces the risk of damage to stock during handling.

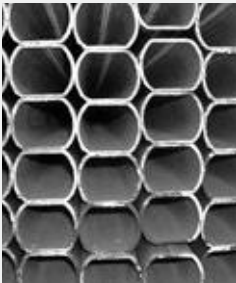


**Specifications:** AS 1163 Grade C350LO / AS 1450 Grade C350LO

Dimensions (d x b) (mm)	Wall thickness (t) (mm)	Mass per Metre (kg/m)
53 x 35	1.6	1.84
97 x 40	1.6	2.95
97 x 40	2.0	3.65
115 x 42	2.0	4.29
115 x 42	2.5	5.30

Standard length is 6.1 metres. Available in painted, no coat or Supagal finish.

**Only available on an indent basis.**



## UNIRAIL

**Product Description:** UNI

Short for 'universal' application rail, Unirail has flat surfaces for better connectivity and rounded surfaces for aesthetics. Unirail is ideal for various end use applications including signage, posts, fence rails, handrails, seating and structural elements in vehicle frames.

**Specifications:** AS 1163 C350LO

Dimensions (d x b) (mm)	Wall thickness (t) (mm)	Mass per Metre (kg/m)
60 x 48	2.0	2.65
60 x 48	2.5	3.56

**Standard length is 6.1m. Available** in painted, no coat or Supagal finish.  
**Only available on an indent basis.**



## SILO SECTION

**Product Description:** SILO

Ideal for silos, bins and various structural and mechanical applications.

**Specifications:** AS 1163 C350LO/C450LO

Dimensions (d x b) (mm)	Wall thickness (t) (mm)	Mass per Metre (kg/m)
75 x 64	2.5	4.75
75 x 64	3.0	5.62

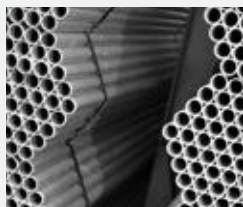
**Standard length is 6.1m. Available** in painted, no coat or Supagal finish.  
**Only available on an indent basis.**



# Pipe







## GENERAL PURPOSE PIPE

**Product Shortname:** GPI - Galvanised Pipe  
BPI - Primed Pipe/Black Pipe

### Specifications:

AS 1074  
AS 1163 Grade C350 (SL and LT w/t)  
AS 1163 Grade C250 (MD and HV w/t)

### Size Designation:

Nominal Bore (mm) x Wall Thickness (mm) x End (PE or SS) x Length (m)

### Supplied Condition:

SL super light      MD medium      PE plain end  
LT light      HV heavy      SS screwed & socketed

SUPER LIGHT							LIGHT						
Nominal Bore (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)		Availability		Nominal Bore (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)		Availability	
			Black	Galv.	Black	Galv.				Black	Galv.	Black	Galv.
15	21.3	N/A					15	21.3	2.0	0.95	1.00		
20	26.9	2.0	1.22	1.28			20	26.9	2.3	1.39	1.44		✓
25	33.7	2.0	1.56	1.62	✓	✓	25	33.7	2.6	1.99	2.05	✓	✓
32	42.4	2.0	1.99	2.07			32	42.4	2.6	2.54	2.63	✓	✓
40	48.3	2.3	2.61	2.70			40	48.3	2.9	3.24	3.33		✓
50	60.3	2.3	3.29	3.40			50	60.3	2.9	4.09	4.21		✓
65	76.1	2.3	4.19	4.33			65	76.1	3.2	5.74	5.89		
80	88.9	2.6	5.53	5.70			80	88.9	3.2	6.75	6.92		
100	114.3	3.2	8.77	8.98			100	114.3	3.6	9.81	10.00		✓
125	139.7	3.0	10.10	11.80			125	139.7	3.5	11.80	12.00		
150	165.1	3.0	12.00	12.30	✓		150	165.1	3.5	13.90	14.30		

MEDIUM							HEAVY						
Nominal Bore (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)		Availability		Nominal Bore (mm)	Outside Diameter (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)		Availability	
			Black	Galv.	Black	Galv.				Black	Galv.	Black	Galv.
15	21.3	2.6	1.21	1.25	✓	✓	15	21.3	3.2	1.44	1.48		
20	26.9	2.6	1.55	1.60	✓	✓	20	26.9	3.2	1.86	1.92		
25	33.7	3.2	2.40	2.46	✓	✓	25	33.7	4.0	2.92	2.99	✓	
32	42.4	3.2	3.08	3.17	✓	✓	32	42.4	4.0	3.78	3.86	✓	
40	48.3	3.2	3.55	3.64	✓	✓	40	48.3	4.0	4.36	4.45	✓	
50	60.3	3.6	5.02	5.14	✓	✓	50	60.3	4.5	6.18	6.30	✓	✓
65	76.1	3.6	6.42	6.57	✓	✓	65	76.1	4.5	7.93	8.08	✓	
80	88.9	4.0	8.36	8.54	✓	✓	80	88.9	5.0	10.35	10.50	✓	
100	114.3	4.5	12.10	12.40	✓	✓	100	114.3	5.4	14.40	14.70	✓	
125	139.7	5.0	16.60	16.90	✓	✓	125	139.7	5.4	17.90	18.10	✓	
150	165.1	5.0	19.70	20.00	✓	✓	150	165.1	5.4	21.30	21.60	✓	

Standard stocked length is 6.5m. Other sizes and lengths are available on indent. Standard stocked galvanised pipe is hot dip galvanised. In-line galvanised pipe available on indent. ✓ In stock, all others available on indent

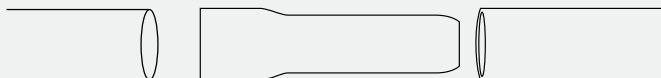
# Pipe

## HIGH STRENGTH/LIGHT WALL PIPE

**Product Shortname:** GPIP

Plain End

Swaged One End



**Specifications:**

AS1163 - Grade C350

**Size Designation:**

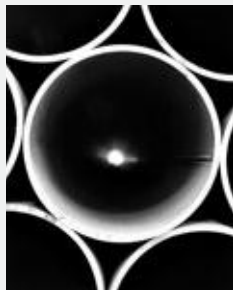
Nominal Bore (mm) x Wall Thickness (mm) x End (PE or SWG) x Length (m)

**Size Range Available:**

Nominal Bore	Mass per Metre (kg/m)	Plain end	Swaged one end
20 x 2.3	1.44	✓	
25 x 2.0	1.64	✓	
25 x 2.6	2.05	✓	✓
32 x 2.6	2.63	✓	✓
40 x 2.9	3.33	✓	✓
50 x 2.9	4.21	✓	✓

Standard stocked length is 6.5m.

Other sizes of plain end and swaged both ends are available on indent.



## ERW LINE PIPE

**Product Shortname:** ERW

**Specifications:** AS 1163 C350LO  
API 5LB PSL1

**Applications:** Pressure piping for flammable, toxic, high pressure or lethal fluids and gases. Pipelines for gas and liquid petroleum. Line pipes for structural applications.

**Surface Finish:** To prevent deterioration of surface quality between manufacturer and installation, each length of ERW is coated with a rust preventative lacquer.

### Commonly Stocked Size Range

Size Nominal x wt x Sch x Length (m)	kg/m
ERW 4 x .237 x S40 x 6	16.07
ERW 5 x .258 x S40 x 6	21.77
ERW 5 x .375 x S80 x 6	30.97
ERW 6 x .250 x S20 x 6	25.60
ERW 6 X .250 X S20G350 X 12	
ERW 6 x .280 x S40 x 6	28.26
ERW 6 X .280 X S40G350 X 12	
ERW 6 x .432 x S80 x 6	42.56
ERW 8 x .250 x S20 x 6	33.31
ERW 8 X .250 X S20G350 X 12	

Size Nominal x wt x Sch x Length (m)	kg/m
ERW 8 x .322 x S40 x 6	42.55
ERW 8 X .322 X S40G350 X 12	
ERW 8 X .500 X S80G350 X 6	
ERW 10 X .250 X S20G350 X 12	
ERW 10 X .365 X S40G350X 12	
ERW 10 x .250 x S20 x 6	41.77
ERW 10 x .365 x S40 x 6	60.31
ERW 12 x .250 x S20 x 6	49.73
ERW 12 X .250 X S20G350 X 12	
ERW 12 x .375 x S40 x 6	73.88

Standard length available is 6.0m. Other lengths are available on indent.  
Refer to table on pages 40 & 41 for the full size range available on indent.

# Pipe



## SEAMLESS LINE PIPE

**Product Shortname:** API

**Tensile Requirements:**

Standard	Grade	Yield Strength		Tensile Strength	
		psi (min.)	kg/cm <sup>2</sup> (min.)	psi (min.)	kg/cm <sup>2</sup> (min.)
API 5L	A25	25,000	1,760	45,000	3,160
	A	30,000	2,110	48,000	3,370
	B	35,000	2,460	60,000	4,220
API 5LX	X42	42,000	2,950	60,000	4,220
	X46	46,000	3,230	63,000	4,430
	X52	52,000	3,660	66,000	4,640
ASTM 106	A	30,000	2,110	48,000	3,370
	B	35,000	2,460	60,000	4,220
	C	40,000	2,810	70,000	4,920

**Surface Finish:** To prevent deterioration of surface quality between manufacturer and installation, each length of API is coated with a rust preventative lacquer.

**Internal Pressure Data:**

Outside Diameter		Wall Thickness		Mill Test Pressure		Internal Pressure at 85% Min. Yield		Internal Pressure at Min. Yield based on Nominal Wall	
in.	mm	in.	mm	psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>	psi	kg/cm <sup>2</sup>
0.6750	17.10	0.091	2.31	700	49	8,020	564	9,440	664
0.8400	21.30	0.109	2.77	700	49	7,720	543	9,080	638
1.0500	26.70	0.113	2.87	700	49	6,400	450	7,530	529
1.3150	33.40	0.133	3.39	700	49	6,020	423	7,080	498
1.6600	42.20	0.140	3.56	1,300	91	5,020	353	5,900	415
1.9000	48.30	0.145	3.68	1,300	91	4,540	319	5,340	375
2.3750	60.30	0.154	3.91	2,500	175	3,860	371	4,540	319
2.8750	73.00	0.203	5.16	2,500	176	4,200	295	4,940	347
3.5000	88.90	0.216	5.49	2,500	176	3,670	258	4,320	304
4.0000	101.60	0.226	5.74	2,370	167	3,360	236	3,960	278
4.5000	114.30	0.237	6.02	2,210	155	3,130	220	3,690	259
5.5625	141.30	0.258	6.55	1,950	137	2,760	194	3,250	228
6.6250	168.30	0.280	7.11	1,780	125	2,510	176	2,960	208
8.6250	219.10	0.322	8.18	1,570	110	2,220	156	2,610	183
10.7500	273.05	0.365	9.27	1,430	101	2,020	142	2,380	167
12.7500	323.45	0.375	9.53	1,240	87	1,750	123	2,060	145
14.0000	355.60	0.375	9.53	1,120	79	1,590	112	1,880	132
16.0000	406.40	0.375	9.53	980	69	1,390	98	1,640	115

## SEAMLESS LINE PIPE

**Product Shortname:** API

### Specifications:

Standard	Grade	C (max)	Mn	P	S	Si
API 5L	A25 class 1	0.21	0.30 - 0.60	0.045 max	0.06 max	-
	A25 class 2	0.21	0.30 - 0.60	0.045 - 0.080	0.06 max	-
	A	0.22	0.90 max	0.04 max	0.05 max	-
	B	0.27	1.15 max	0.04 max	0.05 max	-
API 5LX	Non-expanded X42	0.29	1.25 max	0.04 max	0.05 max	-
	Non-expanded	0.31	1.35 max	0.04 max	0.05 max	-
	X46 and X52	0.31	1.25 max	0.04 max	0.05 max	-
	Cold-expanded* X42, X46 and X52	0.29				
ASTM A106**	Grade A	0.25	0.27 - 0.93	0.048 max	0.058 min	0.10
	Grade B	0.30	0.29 - 1.06	0.048 max	0.058 min	0.10
	Grade C	0.35	0.29 - 1.06	0.048 max	0.058 min	0.10

\* Either columbium, vanadium, or a combination thereof, shall be used at the discretion of the manufacturer.

\*\* Easysteel normally stock A106, Grade B. Others are available on request.

(Easysteel stock a max. carbon content of 0.23%.)

Note: For grade X60 pipe, the maximum manganese may be in the range of 1.36 to 1.40% provided the maximum carbon content does not exceed 0.25%.

**Surface Finish:** To prevent deterioration of surface quality between manufacturer and installation, each length of API is coated with a rust preventative lacquer.

Seamless Line Pipe Stock Range			
Size nominal x WT x Sch x Length (m)	Kg/mtr	Size nominal x WT x Sch x Length (m)	Kg/mtr
API 3/8 x .091 x S40 x 6	0.85	API 2.5 x .203 x S40 x 6	8.62
API .5 x .109 x S40 x 6	1.27	API 2.5 x .276 x S80 x 6	11.39
API .5 x .147 x S80 x 6	1.62	API 3 x .216 x S40 x 6	11.31
API .5 x .188 x S160 x 6	1.95	API 3 x .300 x S80 x 6	15.27
API .75 x .113 x S40 x 6	1.68	API 3.5 x .226 x S40 x 6	13.48
API .75 x .154 x S80 x 6	2.19	API 4 x .237 x S40 x 6	16.07
API .75 x .219 x S160 x 6	2.90	API 4 x .337 x S80 x 6	22.42
API 1 x .133 x S40 x 6	2.52	API 5 x .258 x S40 x 6	21.76
API 1 x .179 x S80 x 6	3.23	API 5 x .375 x S80 x 6	30.97
API 1.25 x .14x S40 x 6	3.43	API 6 x .280 x S40 x 6	28.26
API 1.25 x .19 x S80 x 6	4.47	API 6 x .432 x S80 x 6	42.56
API 1.5 x .145 x S40 x 6	4.07	API 8 x .322 x S40 x 6	42.53
API 1.5 x .200 x S80 x 6	5.41	API 8 x .500 x S80 x 6	64.63
API 2 x .154 x S40 x 6	5.42	API 10 X .365 X S40 X 6	60.31
API 2 x .218 x S80 x 6	7.48	API 12 X .406 X S40 X 6	79.73

# Pipe

## LINE PIPE

**Product Shortname: API/ERW Sizes and Weights – Imperial** Sizes listed in this table are available either ex-stock or on an indent basis.

Nom. Pipe Size in.	OD in.	5S	10S	10	20	30	STD	40S	40	60	XS	80S	80	100	120	140	160	XXS
1/8	0.405		0.0490				0.0680	0.0680	0.0680		0.0950	0.0950	0.0950					
			0.19				0.24	0.24	0.24		0.31	0.32	0.31					
1/4	0.540		0.0650				0.0880	0.0880	0.0880		0.119	0.119	0.119					
			0.34				0.42	0.43	0.42		0.54	0.55	0.54					
3/8	0.675		0.0650				0.0910	0.0910	0.0910		0.126	0.126	0.126					
			0.43				0.57	0.58	0.57		0.74	0.75	0.74					
1/2	0.840	0.0650	0.0830				0.109	0.109	0.109		0.147	0.147	0.147				0.188	0.294
		0.55	0.68				0.85	0.87	0.85		1.09	1.11	1.09				1.31	1.71
3/4	1.050	0.0650	0.0830				0.113	0.113	0.113		0.154	0.154	0.154				0.219	0.308
		0.70	0.88				1.13	1.15	1.13		1.47	1.50	1.47				1.94	2.44
1	1.315	0.0650	0.109				0.133	0.133	0.133		0.179	0.179	0.179				0.250	0.358
		0.89	1.43				1.68	1.71	1.68		2.17	2.21	2.17				2.84	3.66
1 1/4	1.660	0.0650	0.109				0.140	0.140	0.140		0.191	0.191	0.191				0.250	0.382
		1.13	1.85				2.27	2.32	2.27		3.00	3.06	3.00				3.76	5.21
1 1/2	1.900	0.0650	0.109				0.145	0.145	0.145		0.200	0.200	0.200				0.281	0.400
		1.31	2.13				2.72	2.77	2.72		3.63	3.70	3.63				4.86	6.41
2	2.375	0.0650	0.109				0.154	0.154	0.154		0.218	0.218	0.218				0.344	0.436
		1.64	2.69				3.65	3.72	3.65		5.02	5.12	5.02				7.46	9.03
2 1/2	2.875	0.0650	0.120				0.203	0.203	0.203		0.276	0.276	0.276				0.375	0.552
		2.53	3.60				5.79	5.91	5.79		7.66	7.81	7.66				10.01	13.69
3	3.500	0.0830	0.120				0.216	0.216	0.216		0.300	0.300	0.300				0.438	0.600
		3.09	4.42				7.58	7.73	7.58		10.25	10.46	10.25				14.32	18.58
3 1/2	4.000	0.0830	0.120				0.226	0.226	0.226		0.318	0.318	0.318					
		3.55	5.07				9.11	9.29	9.11		12.50	12.76	12.50					
4	4.500	0.0830	0.120				0.237	0.237	0.237		0.337	0.337	0.337		0.438		0.531	0.674
		4.00	5.72				10.79	11.01	10.79		14.98	15.28	14.98		19.00		22.51	27.54
5	5.563	0.109	0.134				0.258	0.258	0.258		0.375	0.375	0.375		0.500		0.625	0.750
		6.49	7.93				14.62	14.91	14.62		20.78	21.20	20.78		27.04		32.96	38.55
6	6.625	0.109	0.134				0.280	0.278	0.280		0.432	0.432	0.432		0.562		0.719	0.864
		7.75	9.48				18.97	19.35	18.97		26.57	29.14	26.57		36.39		45.35	53.16
8	8.625	0.109	0.148		0.250	0.277	0.322	0.322	0.322	0.406	0.500	0.500	0.500	0.534	0.719	0.812	0.906	0.875
		10.13	13.67		22.36	24.70	28.55	29.12	28.55	35.64	43.39	44.26	43.39	50.95	60.71	67.76	74.69	72.42
10	10.750	0.134	0.165		0.250	0.307	0.365	0.365	0.365	0.500	0.500	0.500	0.500	0.594	0.719	0.844	1.000	1.125
		15.49	19.02		28.04	34.24	40.48	41.29	40.48	54.74	54.74	55.83	54.74	64.43	77.03	89.29	104.13	115.64
12	12.750	0.156	0.180		0.250	0.330	0.375	0.375	0.375	0.500	0.500	0.500	0.500	0.688	0.844	1.000	1.125	1.312
		21.40	24.65		33.38	43.77	49.56	50.55	53.52	73.15	66.42	66.73	66.73	88.63	107.32	125.49	139.67	160.27
14	14.000	0.156	0.188	0.250	0.312	0.375	0.375		0.438	0.594	0.500		0.750	0.938	1.094	1.250	1.406	
		23.53	28.28	36.71	45.61	54.57	54.57		63.44	85.05	72.09		106.13	130.85	150.79	170.21	189.11	
16	16.000	0.165	0.188	0.250	0.312	0.375	0.375		0.500	0.656	0.500		0.844	1.031	1.219	1.438	1.594	
		28.46	32.39	42.05	52.27	62.58	62.58		82.77	107.50	82.77		136.61	164.82	192.43	223.64	245.25	
18	18.000	0.165	0.188	0.250	0.312	0.438	0.375		0.562	0.750	0.500		0.938	1.156	1.375	1.562	1.781	
		32.06	36.48	47.39	58.94	82.15	70.59		104.67	138.17	93.45		170.92	207.96	244.14	274.22	308.50	
20	20.000	0.188	0.218	0.250	0.375	0.500	0.375		0.594	0.812	0.500		1.031	1.281	1.500	1.750	1.969	
		40.58	46.98	52.73	78.60	104.13	78.60		123.11	166.40	104.13		208.67	256.10	296.37	341.09	379.17	
22	22.000	0.188	0.218	0.250	0.375	0.500	0.375			0.875	0.500		1.125	1.375	1.625	1.875	2.125	
		44.68	51.72	58.07	86.61	114.81	86.61			197.41	114.81		250.81	302.88	353.61	403.00	451.06	
24	24.000	0.218	0.250	0.250	0.375	0.562	0.375		0.688	0.969	0.500		1.219	1.531	1.812	2.062	2.344	
		56.48	64.68	63.41	94.62	140.68	94.62		171.29	238.35	125.49		296.58	367.39	429.39	483.12	542.13	
26	26.000		0.312	0.500		0.375					0.500							
			85.60	136.17		102.63					136.17							
28	28.000		0.312	0.500	0.625	0.375					0.500							
			92.26	146.85	182.73	110.64					146.85							
30	30.000	0.250	0.312	0.500	0.625	0.375					0.500							
		81.02	100.91	98.93	157.53	196.08	118.65				157.53							
32	32.000		0.312	0.500	0.625	0.375		0.688		0.500								
				105.59	168.21	209.43		126.66		230.08								
34	34.000			0.312	0.500	0.625	0.375		0.688		0.500		168.21					
				112.25	178.89	222.78	134.67		244.77		178.89							
36	36.000			0.312	0.500	0.625	0.375		0.750		0.500							
				118.92	189.57	236.13	142.08		282.35		189.57							
38	38.000						0.375				0.500							
							150.69				200.25							
40	40.000						0.375				0.500							
							158.70				210.93							
42	42.000						0.375				0.500							
							166.71				221.61							
44	44.000						0.375				0.500							
							174.72				232.29							
46	46.000						0.375				0.500							
							182.73				242.97							
48	48.000						0.375				0.500							
							190.74				253.65							

Wall Thickness = inches  
Weight = lb/ft (plain end mass)  
5S, 10S, 40S, 80S – ANSI B36.19

# Pipe

## LINE PIPE

**Product Shortname: API/ERW Sizes and Weights – Metric** Sizes listed in this table are available either ex-stock or on an indent basis.

Nom. Pipe Size mm	OD mm	5S	10S	10	20	30	STD	40S	40	60	XS	80S	80	100	120	140	160	XXS	
6	10.3		1.24				1.73	1.73	1.73		2.41	2.41	2.41						
			0.28				0.37	0.36	0.37		0.47	0.48	0.47						
8	13.7		1.65				2.24	2.24	2.24		3.02	3.02	3.02						
			0.51				0.63	0.64	0.63		0.80	0.82	0.80						
10	17.1		1.65				2.31	2.31	2.31		3.20	3.20	3.20						
			0.64				0.84	0.86	0.84		1.10	1.12	1.10						
15	21.3	1.65	2.11				2.77	2.77	2.77		3.73	3.73	3.73				4.78	7.47	
		0.82	1.01				1.27	1.30	1.27		1.62	1.65	1.62				1.95	2.55	
20	26.7	1.65	2.11				2.87	2.87	2.87		3.91	3.91	3.91				5.56	7.82	
		1.04	1.31				1.69	1.71	1.69		2.20	2.24	2.20				2.90	3.64	
25	33.4	1.65	2.77				3.38	3.38	3.38		4.55	4.55	4.55				6.35	9.09	
		1.33	2.13				2.50	2.55	2.50		3.24	3.29	3.24				4.24	5.45	
32	42.2	1.65	2.77				3.56	3.56	3.56		4.85	4.85	4.85				6.35	9.7	
		1.68	2.76				3.39	3.46	3.39		4.47	4.56	4.47				5.61	7.77	
40	48.3	1.65	2.77				3.68	3.68	3.68		5.08	5.08	5.08				7.14	10.15	
		1.95	3.17				4.05	4.13	4.05		5.41	5.51	5.41				7.25	9.56	
50	60.3	1.65	2.77				3.91	3.91	3.91		5.54	5.54	5.54				8.74	11.07	
		2.44	4.01				5.44	5.54	5.44		7.48	7.63	7.48				11.11	13.44	
65	73.0	2.11	3.05				5.16	5.16	5.16		7.01	7.01	7.01				9.53	14.02	
		3.77	5.36				8.83	8.81	8.63		11.41	11.64	11.41				14.92	20.39	
80	88.9	2.11	3.05				5.49	5.49	5.49		7.62	7.62	7.62				11.13	15.24	
		4.60	6.59				11.29	11.52	11.29		15.27	15.59	15.27				21.35	27.68	
90	101.6	2.11	3.05				5.74	5.74	5.74		8.08	8.08	8.08						
		5.29	7.55				13.57	13.84	13.57		18.63	19.01	18.63						
100	114.3	2.11	3.05				6.02	6.02	6.02		8.56	8.56	8.56		11.13		13.49	17.12	
		5.96	8.52				16.07	16.4	16.07		22.32	22.77	22.32		28.32		33.54	41.03	
125	141.3	2.77	3.40				6.55	6.55	6.55		9.53	9.53	9.53		12.70		15.88	19.05	
		9.67	11.82				21.77	22.2	21.77		30.97	31.59	30.97		40.28		49.11	57.43	
150	168.3	2.77	3.40				7.11	7.11	7.11		10.97	10.97	10.97		14.27		18.26	21.95	
		11.55	14.13				28.26	28.83	28.26		42.56	43.42	42.56		54.20		67.56	79.22	
200	219.1	2.77	3.76		6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	22.23	
		15.09	20.37		33.31	36.81	42.55	43.39	42.55	53.08	64.64	65.95	64.64	75.92	90.44	100.92	111.27	107.92	
250	273.1	3.40	4.19		6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40	
		23.08	28.34		41.77	51.03	60.31	61.52	60.31	81.55	83.19	86.01	83.19	114.75	133.06	155.15	172.33	155.15	
300	323.9	3.96	4.57		6.35	8.38	9.53	9.52	10.31	14.27	12.70	12.70	17.48	21.44	25.4	28.58	33.32	25.40	
		31.89	36.73		49.73	65.20	73.88	75.32	79.73	108.96	97.46	99.43	132.08	159.91	186.97	208.14	238.76	186.97	
350	355.6	3.96	4.78	6.35	7.92	9.53	9.53		11.13	15.09	12.70		19.05	23.83	27.79	31.75	35.71		
		35.06	42.14	54.69	67.90	81.33	81.33		94.55	126.71	107.39		158.10	194.96	224.65	253.56	281.70		
400	406.4	4.19	4.78	6.35	7.92	9.53	9.53		12.70	16.66	12.70		21.44	26.19	30.96	36.53	40.49		
		42.41	48.26	62.64	77.83	93.27	93.27		123.3	160.12	123.30		203.53	245.56	286.64	333.19	365.35		
450	457.2	4.19	4.78	6.35	7.92	11.13	9.53		14.27	19.05	12.70		23.88	29.36	34.93	39.67	45.24		
		47.77	54.36	70.57	87.71	122.38	105.16		155.8	205.74	139.15		254.55	309.62	363.56	408.26	459.37		
500	508.0	4.78	5.54	6.35	9.53	12.70	9.53		15.09	20.62	12.70		26.19	32.54	38.10	44.45	50.01		
		60.46	70.00	78.55	117.15	155.12	117.15		183.42	247.83	155.12		311.17	381.53	441.49	508.11	564.81		
550	558.8	4.78	5.54	6.35	9.53	12.70	9.53			22.23	12.70		28.58	34.93	41.28	47.63	53.98		
		66.57	77.06	86.54	129.13	171.09	129.13			294.25	171.09		373.83	451.42	527.02	600.63	672.26		
600	609.6	5.54	6.35	6.35	9.53	14.27	9.53		17.48	24.61	12.70		30.96	38.89	46.02	52.37	59.54		
		84.16	96.37	94.53	141.12	209.64	141.12		255.41	355.26	187.06		442.08	547.71	640.03	720.15	808.22		
650	660.4		7.92	12.70			9.53				12.70								
			127.36	202.72			152.67				202.72								
700	711.2		7.92	12.70		15.88	9.53				12.70								
			137.32	218.69		271.21	164.85				218.69								
750	762.0	6.35	7.92	12.70		15.88	9.53				12.70								
		120.72	150.36	147.28	234.67	292.18	176.84				234.67								
800	812.8				7.92	12.70	15.88	9.53		17.48	12.70								
					157.24	250.64	312.15	188.82		342.91	250.64								
850	863.6				7.92	12.70	15.88	9.53		17.48	12.70								
					167.20	266.61	332.12	200.31		364.90	266.61								
900	914.4				7.92	12.70	15.88	9.53		19.05	12.70								
					176.96	282.27	351.70	212.56		420.42	282.27								
950	965.2							9.53			12.70								
								224.54			298.24								
1000	1016.0						9.53				12.70								
							236.53				314.22								
1050	1066.8						9.53				12.70								
							248.52				330.19								
1100	1117.6						9.53				12.70								
							260.50				346.16								
1150	1168.4						9.53				12.70								
							272.25				351.82								
1200	1219.2						9.53				12.70								
							284.24				377.79								

Wall Thickness = mm  
Weight = kg/m (plain end mass)  
5S,10S, 40S, 80S – ANSI B36.19

Wall Thickness = mm  
Weight = kg/m (plain end mass)  
5S,10S, 40S, 80S - ANSI B36.19

# COMMON PIPE SIZES

NB		OD (mm)	Sched	Wall (mm)	Weight (Kg/ mtr)	NB		OD (mm)	Sched	Wall (mm)	Weight (Kg/ mtr)	NB		OD (mm)
(inch)	(mm)					(inch)	(mm)					(inch)	(mm)	
1/8	6	10.3	STD/40	1.7	0.37	3 1/2	90	101.6	STD/40	5.7	13.6	10	250	273
1/8	6	10.3	XS/80	2.4	0.47	3 1/2	90	101.6	XS/80	8.1	18.6	10	250	273
1/4	8	13.7	STD/40	2.2	0.63	3 1/2	90	101.6		13.0	22.0	10	250	273
1/4	8	13.7	XS/80	3.0	0.8	4	100	114.3		4.8	12.0	10	250	273
3/8	10	17.1	STD/40	2.3	0.84	4	100	114.3	STD/40	6.0	16.1	10	250	273
3/8	10	17.1	XS/80	3.2	1.1	4	100	114.3	XS/80	8.6	22.3	12	300	323.9
1/2	15	21.3	STD/40	2.8	1.3	4	100	114.3	120	11.1	28.3	12	300	323.9
1/2	15	21.3	XS/80	3.7	1.6	4	100	114.3	160	13.5	33.5	12	300	323.9
1/2	15	21.3	160	4.8	1.9	4	100	114.3	XXS	17.1	41.0	12	300	323.9
1/2	15	21.3	XXS	7.5	2.5	5	125	141.3		4.8	16.0	12	300	323.9
3/4	20	26.7	STD/40	2.9	1.7	5	125	141.3	STD/40	6.6	21.8	12	300	323.9
3/4	20	26.7	XS/80	3.9	2.2	5	125	141.3	XS/80	9.5	31.0	12	300	323.9
3/4	20	26.7	160	5.6	2.9	5	125	141.3	120	12.7	40.3	12	300	323.9
3/4	20	26.7	XXS	7.8	3.6	5	125	141.3	160	15.9	49.1	12	300	323.9
1	25	33.4	STD/40	3.4	2.5	5	125	141.3	XXS	19.0	57.4	12	300	323.9
1	25	33.4	XS/80	4.5	3.2	6	150	168.3		4.8	19.0	12	300	323.9
1	25	33.4	160	6.4	4.2	6	150	168.3		6.4	25.35	12	300	323.9
1	25	33.4	XXS	9.1	5.4	6	150	168.3	STD/40	7.1	28.3	14	350	355.6
1 1/4	32	42.2	STD/40	3.6	3.4	6	150	168.3	XS/80	11.0	42.5	14	350	355.6
1 1/4	32	42.2	XS/80	4.9	4.5	6	150	168.3	120	14.3	54.2	14	350	355.6
1 1/4	32	42.2	160	6.4	5.6	6	150	168.3	120	18.3	67.5	14	350	355.6
1 1/4	32	42.2	XXS	9.7	7.8	6	150	168.3	XXS	21.9	79.2	14	350	355.6
1 1/2	40	48.3	STD/40	3.7	4.0	8	200	219.1		4.8	25.0	14	350	355.6
1 1/2	40	48.3	XS/80	5.1	5.4	8	200	219.1	20	6.4	33.3	14	350	355.6
1 1/2	40	48.3	160	7.1	7.2	8	200	219.1	30	7.0	36.6	14	350	355.6
1 1/2	40	48.3	XXS	10.2	9.5	8	200	219.1	STD/40	8.2	42.5	14	350	355.6
2	50	60.3	STD/40	3.9	5.4	8	200	219.1	60	10.3	53.1	14	350	355.6
2	50	60.3	XS/80	5.5	7.5	8	200	219.1	XS/80	12.7	64.6	14	350	355.6
2	50	60.3	160	8.7	11.1	8	200	219.1	100	15.1	75.9	16	400	406.4
2	50	60.3	XXS	11.1	13.4	8	200	219.1	120	18.3	90.4	16	400	406.4
2 1/2	65	73.0	STD/40	5.2	8.6	8	200	219.1	140	20.6	100.9	16	400	406.4
2 1/2	65	73.0	XS/80	7.0	11.4	8	200	219.1	XXS	22.2	108.0	16	400	406.4
2 1/2	65	73.0	160	9.5	14.9	8	200	219.1	160	23.0	111.3	16	400	406.4
2 1/2	65	73.0	XXS	14.0	20.4	10	250	273.0		4.8	31.0	16	400	406.4
3	80	88.9	STD/40	5.5	11.3	10	250	273.0	20	6.4	41.7	16	400	406.4
3	80	88.9	XS/80	7.6	15.3	10	250	273.0	30	7.8	51.0	16	400	406.4
3	80	88.9	160	11.1	21.3	10	250	273.0	STD/40	9.3	60.2	16	400	406.4
3	80	88.9	XXS	15.2	27.7	10	250	273.0	XS/60	12.7	81.5	16	400	406.4



Sched	Wall (mm)	Weight (Kg/ mtr)	NB		OD (mm)	Sched	Wall (mm)	Weight (Kg/ mtr)	NB		OD (mm)	Sched	Wall (mm)	Weight (Kg/ mtr)
			(inch)	(mm)					(inch)	(mm)				
80	15.1	95.8	18	450	457.0	10	6.4	70.5	24	600	610.0	100	38.9	547.7
100	18.3	115.0	18	450	457.0	20	7.9	87.8	24	600	610.0	120	46.0	640.0
120	21.4	133.0	18	450	457.0	STD	9.5	105.2	24	600	610.0	140	52.4	720.1
XXS/140	25.5	155.0	18	450	457.0	30	11.1	122.4	24	600	610.0	160	59.5	808.2
160	28.6	172.0	18	450	457.0	XS	12.7	139.2	26	650	660.0	10	7.9	127.4
	4.8	40.0	18	450	457.0	40	14.3	155.8	26	650	660.0	STD	9.5	152.9
20	6.4	49.7	18	450	457.0	60	19.0	205.7	26	650	660.0	XS/20	12.7	202.7
30	8.4	64.1	18	450	457.0	80	23.9	254.5	28	700	711.0	10	7.9	137.3
STD	9.5	73.8	18	450	457.0	100	29.4	310.0	28	700	711.0	STD	9.5	164.9
40	10.3	79.7	18	450	457.0	120	34.9	363.5	28	700	711.0	XS/20	12.7	218.7
XS	12.7	97.4	18	450	457.0	140	39.7	408.2	28	700	711.0	30	15.9	271.2
60	14.3	109.0	18	450	457.0	160	45.2	459.4	30	750	762.0	10	7.9	147.3
80	17.5	132.0	20	500	508.0	10	6.4	78.5	30	750	762.0	STD	9.5	176.8
100	21.4	160.0	20	500	508.0	STD/20	9.5	117.1	30	750	762.0	XS/20	12.7	234.7
XXS/120	25.4	187.0	20	500	508.0	XS/30	12.7	155.1	30	750	762.0	30	15.9	292.1
140	28.6	208.9	20	500	508.0	40	15.1	183.4	32	800	813.0	10	7.9	157.2
160	33.3	239.0	20	500	508.0	60	20.6	247.8	32	800	813.0	STD	9.5	188.8
10	6.4	54.6	20	500	508.0	80	26.2	311.2	32	800	813.0	XS/20	12.7	250.6
20	7.9	68.0	20	500	508.0	100	32.5	381.5	32	800	813.0	30	15.9	312.1
STD/30	9.5	81.2	20	500	508.0	120	38.1	441.5	32	800	813.0	40	17.5	342.9
40	11.1	94.3	20	500	508.0	140	44.4	508.1	34	850	864.0	10	7.9	167.2
XS/40	12.7	107.0	20	500	508.0	160	50.0	564.8	34	850	864.0	STD	9.5	200.3
60	15.1	127.0	22	550	559.0	10	6.4	86.5	34	850	864.0	XS/20	12.7	266.6
80	19.0	158.0	22	550	559.0	STD/20	9.5	129.1	34	850	864.0	30	15.9	332.1
100	23.8	195.0	22	550	559.0	XS/30	12.7	171.1	34	850	864.0	40	17.5	364.9
120	27.8	224.0	22	550	559.0	60	22.2	294.2	36	900	914.0	10	7.9	176.9
140	31.8	253.0	22	550	559.0	80	28.6	3738.0	36	900	914.0	STD	9.5	212.5
160	35.7	281.0	22	550	559.0	100	34.9	451.4	36	900	914.0	XS/20	12.7	282.2
10	6.4	62.6	22	550	559.0	120	41.3	527.0	36	900	914.0	30	15.9	351.7
20	7.9	77.9	22	550	559.0	140	47.6	600.6	36	900	914.0	40	19.0	420.4
STD/30	9.5	931.0	22	550	559.0	160	54.0	672.2	38	950	965.0	STD	9.5	224.5
XS/40	12.7	123.0	24	600	610.0	10	6.4	94.5	38	950	965.0	XS	12.7	298.2
60	16.7	160.0	24	600	610.0	STD/20	9.5	141.1	40	1000	1016.0	STD	9.5	236.5
80	21.4	203.0	24	600	610.0	XS	12.7	187.1	40	1000	1016.0	XS	12.7	314.2
100	26.2	245.0	24	600	610.0	30	14.3	209.6	42	1050	1067.0	STD	9.5	248.5
120	31.0	286.0	24	600	610.0	40	17.5	255.4	42	1050	1067.0	XS	12.7	330.2
140	36.5	333.0	24	600	610.0	60	24.6	355.2	48	1200	1219.0	STD	9.5	284.2
160	40.5	365.0	24	600	610.0	80	31.0	442.0	48	1200	1219.0	XS	12.7	377.8

# Pipe



## BOILER TUBE CARBON STEEL

**Product Shortname:** BT

**Specifications:** acc. to DIN 17175 Grade I, St 35.8  
acc. to BS 3059 Part 2 Steel 360

**Size Range Available:** All boiler tube is available on an indent only basis.

Outside Dia.	Wall Thickness	Kg/ metre	Outside Dia.	Wall Thickness	Kg/ metre	Outside Dia.	Wall Thickness	Kg/ metre
21.30	2.90	1.32	48.30	5.00	5.34	63.50	6.30	8.89
25.00	2.90	1.58	48.30	8.00	7.95	70.00	3.20	5.27
29.00	3.00	1.92	50.80	3.20	3.76	70.00	3.60	5.90
31.80	3.20	2.26	50.80	3.60	4.19	70.00	4.00	6.51
31.80	3.60	2.50	50.80	4.00	4.62	70.00	5.00	8.01
33.70	3.60	2.67	50.80	4.50	5.14	70.00	6.30	9.90
38.10	3.20	2.75	50.80	5.00	5.65	70.00	8.00	12.23
38.10	3.60	3.06	50.80	6.30	6.91	76.10	3.20	5.75
38.10	4.00	3.36	50.80	8.00	8.44	76.10	3.60	6.44
38.10	5.00	4.08	54.00	3.60	4.47	76.10	4.00	7.11
38.10	6.30	4.94	54.00	8.00	9.08	76.10	4.50	7.95
42.40	3.20	3.09	57.10	3.20	4.25	76.10	5.00	8.77
42.40	3.60	3.44	57.10	3.60	4.75	76.10	6.30	10.84
42.40	4.00	3.79	57.10	4.00	5.24	76.10	8.00	13.44
42.40	5.00	4.61	57.10	5.00	6.42	88.90	3.60	7.57
42.40	6.30	5.61	57.10	6.30	7.89	88.90	4.00	8.38
42.40	8.00	6.79	57.10	8.00	9.69	88.90	5.00	10.35
44.50	3.20	3.26	60.30	3.20	4.51	88.90	6.30	12.83
44.50	3.60	3.63	60.30	3.60	5.03	88.90	8.00	15.96
44.50	4.00	4.00	60.30	4.00	5.55	101.60	3.60	8.70
44.50	4.50	4.44	60.30	5.00	6.82	101.60	4.00	9.63
44.50	5.00	4.87	60.30	6.30	8.39	101.60	4.50	10.78
44.50	6.30	5.94	60.30	8.00	10.32	101.60	5.00	11.91
44.50	8.00	7.20	63.50	3.20	4.76	101.60	6.30	14.81
48.30	3.20	3.56	63.50	3.60	5.32	101.60	8.00	18.47
48.30	3.60	3.97	63.50	4.00	5.87	114.30	4.00	10.88
48.30	4.00	4.37	63.50	4.50	6.55	114.30	6.30	16.78
48.30	4.50	4.86	63.50	5.00	7.21			



## HEAT EXCHANGER TUBES CARBON STEEL

**Product Shortname:** BT

**Specifications:** Seamless cold-drawn steel heat-exchanger and condenser tubes.

acc. to ASTM A/ASME SA 179 A/SA 450,

acc. to STB 340

acc. to St. 35.8 Grade I

acc. to ASTM A 192

### Size Range Available:

All heat exchanger tube is available on an indent only basis.

Dimension	Length
12.7 x 1.65 mm (1/2" x BWG 16) - 38.1 x 3.4 mm (1 1/2" x BWG 10)	Between 4,877 mm and 15,000 mm



## SUPERHEATER TUBES

**Product Shortname:** BT

**Specifications:** Seamless cold-drawn ferritic alloy steel superheater tubes.

acc. to ASTM A/ASME SA 213

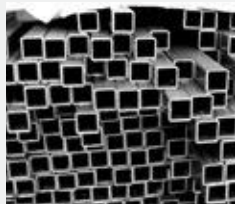
A/SA 450, T5 and T11

### Size Range Available:

All superheater tube is available on an indent only basis.

Dimension	Length
19.05 x 2.11 mm (3/4" x BWG 14) - 25.40 x 2.77 mm (1" x BWG 12)	Between 4,877 mm and 15,000 mm

# Pipe



## PRECISION TUBE

**Product Shortname:** EWSS

**Specifications:** AS1450

### Size Designation:

LED (mm) x SED (mm) x Wall Thickness (mm) x Length (m)

### Size Range Available:

SQUARE					
Size (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)	Size (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)
9.5 x 9.5	1.2	0.341	25.4 x 25.4	1.4	1.050
9.5 x 9.5	1.6	0.438	25.4 x 25.4	1.6	1.192
12.7 x 12.7	1.2	0.449	25.4 x 25.4	2.0	1.894
16.0 x 16.0	1.2	0.553	25.4 x 25.4	2.6	1.873
16.0 x 16.0	1.6	0.720	31.8 x 31.8	1.6	1.531
19.0 x 19.0	1.2	0.677	31.8 x 31.8	2.0	1.520
19.0 x 19.0	1.4	0.784	35.0 x 35.0	1.6	1.636
19.0 x 19.0	1.6	0.889	38.0 x 38.0	1.2	1.373
22.2 x 22.2	1.2	0.811	38.0 x 38.0	1.6	1.815
22.2 x 22.2	1.6	1.065	38.0 x 38.0	2.0	2.249
25.4 x 25.4	1.2	0.906	51.0 x 51.0	1.6	2.443

RECTANGULAR					
Size (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)	Size (mm)	Wall Thickness (mm)	Mass per Metre (kg/m)
25.4 x 12.7	1.6	0.889	51.0 x 25.4	1.2	1.373
31.8 x 16.0	1.6	1.192	51.0 x 25.4	1.6	1.815
35.0 x 19.0	1.2	0.966	51.0 x 25.4	2.0	2.249
35.0 x 19.0	1.6	1.273	63.5 x 38.0	1.6	2.443
35.0 x 19.0	2.0	1.573	63.5 x 38.0	2.0	3.034

Standard Stock length is 5.5 metre. Note: Other sizes may be available on request.



## PRECISION TUBE

**Product Shortname:** EWR

**Specifications:** AS1450

**Size Range Available:**

Outside Diameter (mm)	Wall Thickness (mm)	Weight Per Metre (kg/m)	Outside Diameter (mm)	Wall Thickness (mm)	Weight Per Metre (kg/m)	Outside Diameter (mm)	Wall Thickness (mm)	Weight Per Metre (kg/m)
9.5	1.2	0.246	25.4	2.0	1.154	47.6	1.6	1.815
9.5	1.6	0.312	28.6	1.2	1.066	51.0	1.6	1.949
12.7	1.2	0.341	28.6	1.6	1.065	51.0	2.0	2.417
12.7	1.4	0.390	28.6	2.0	1.312	54.0	1.6	2.068
12.7	1.6	0.438	31.8	1.2	0.906	57.0	1.6	2.186
16.0	1.2	0.438	31.8	1.4	1.050	57.0	2.0	2.713
16.0	1.4	0.504	31.8	1.6	1.192	57.0	2.6	3.488
16.0	1.6	0.568	31.8	2.0	1.470	63.5	1.6	2.443
16.0	2.0	0.691	35.0	1.2	1.000	63.5	2.0	3.034
19.0	1.2	0.527	35.0	1.6	1.318	76.2	1.6	2.940
19.0	1.4	0.608	35.0	2.6	2.018	76.2	2.0	3.655
19.0	1.6	0.687	38.0	1.2	1.089	76.2	2.6	4.713
19.0	2.0	0.839	38.0	1.4	1.264	88.9	1.6	3.445
22.2	1.2	0.622	38.0	1.6	1.436	101.6	1.6	3.946
22.2	1.4	0.718	38.0	2.0	1.776	101.6	2.0	4.913
22.2	1.6	0.813	38.0	2.6	2.270			
22.2	2.0	0.997	41.3	1.6	1.567			
25.4	1.2	0.716	44.5	1.2	1.282			
25.4	1.4	0.829	44.5	1.6	1.693			
25.4	1.6	0.939	44.5	2.6	2.687			

Standard stock length is 5.5 metre. Note: Other sizes may be available on request.

# Pipe

## Carbon Steel Comparison Chart:

USA	UK	GERMANY	SWEDEN
ASTM A 53	BS3601	DIN 1629	
Grade A SMLS	HFS 22 & CDS 22	St 35	SIS 1233-05
GRADE B SMLS	HFS 27 & CDS 27	St 45	SIS 1434-05
ASTM A 53	BS3601	DIN 1626	
Grade A ERW	ERW 22	Blatt 3 St 34-2 ERW	
Grade B ERW	ERW 27	Blatt 3 St 37-2 ERW	
FBW	BW 22	Blatt 3 St 34-2 FBW	
ASTM A 106	BS3602	DIN 17175 <sup>2)</sup>	
Grade A	HFS 23	St 35-8	SIS 1233-06
Grade B	HFS 27	St 45-8	SIS 1435-05
Grade C	HFS 35		
ASTM A 134	BS3601	DIN 1626	
	EFW	Blatt 2 EFW	
ASTM A 135	BS3601	DIN 1626	
Grade A	ERW 22	Blatt 3 St 34- ERW	SIS 1233-06
Grade B	ERW 27	Blatt 3 37-2 ERW	SIS 1434-06*
ASTM a 139	BS3601	DIN 1626	
Grade A	EFW 22	Blatt 2 St 37	
Grade B	EFW 27	Blatt 2 St 42	
ASTM A 155 Class 2	BS3602	DIN 1626, Blatt 3 with cert. C	
C45		St 34-2	
C50		St 37-2	
C55		St 42-2	
KC55	EFW 28	St 42-2 <sup>2)</sup>	
KC60		St 42-2 <sup>2)</sup>	
KC65	EFW 28S	St 52-2	
KC70		St 52-2	
API 5L	BS3601 Double welded	DIN 1629	
Grade A EFW	ERW 22	Blatt 3 St 34-2 FW	
Grade B EFE	ERW 27 <sup>1)</sup>	Blatt 4 St 37-2 FW	
API 5L	BS3601	DIN 1626	
FBW	BW 22	Blatt 3 St 34-2 FBW	

<sup>1)</sup> Specify API 5L Grade B testing procedure for these steels

<sup>2)</sup> Specify SI-killed

# Pipe Fittings



# Pipe Fittings

## STEEL FITTINGS

### Specifications:

EN10241

Available in black and galvanised

Selection of sizes available in each finish

*Female Elbow*  
WELB



*Long Bend*  
WBEN



*Barrel Piece*  
WNIP



*Tee*  
WTEE



*Plug*  
WPLU



*Reducing Bush*  
WBUS



*Hex Nipple*  
WNIP



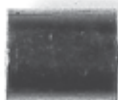
*Reducing Socket*  
WSOC



*M & F Elbow*  
WELB



*Socket*  
WSOC



*Profile Socket*  
WSOC



*Barrel Nipple*  
WNIP





# Pipe Fittings

## MALLEABLE IRON PIPE FITTINGS

### Specifications:

Material ASTM A197

Female/Female Elbow  
MELB



Reducing Tee  
MTEE



45° Female/Female  
Elbow MELB



Socket  
MSOC



Hex Nipple  
MNIP



Reducing Hex Nipple  
MNIP



Reducing Socket  
MSOC



Tee  
MTEE



M&F Bend  
MBEN



45° M&F Elbow  
MELB



90° M&F Elbow  
MELB



Mac Union  
MUNI



Reducing Bush  
MBUS



Cap  
MCAP



Plug  
MPLU



**Please contact your local Easysteel  
branch for more details.**

# Pipe Fittings

## BUTT WELD FITTINGS

### Specifications:

Butt weld fittings to ANSI B16.9  
ASTM/ASME234 AISA Grade WPB

Cap  
BCAP



180° Bend  
BBEN



Tee  
BTee



90° Long Radius Elbow  
BLRE



45° Elbow  
BLRE



90° Short Radius Elbow  
BSRE



Reducing Tee  
BTee



Concentric Reducer  
BCR



Eccentric Reducer  
BER



# Pipe Fittings

## FLANGES AND FLANGE TABLES

### Product Shortname:

F150, F300, F600, FTD, FTE, FTH, PN16

### Specification:

F150/F300/F60: ASME B16.5 A105

TD/TE/TH: AS 2129 A105 - forged

BS10-Q235 - plate

PN16: BS4504 A105



### THREADED (SCREWED) FLANGES

made of steel, are confined to special applications. Their chief merit is that they can be assembled without welding: this explains their use in extremely high pressure services, particularly at or near atmospheric temperature where alloy steel is essential for strength and where the necessary post-weld heat treatment is impractical. Screwed flanges are unsuitable for conditions involving temperature or bending stresses of any magnitude, particularly under cyclic conditions where leakage through the threads may occur in relatively few cycles of heating or stress: seal welding is sometimes employed to overcome this, but cannot be considered as entirely satisfactory.



### SLIP ON FLANGES

continue to be preferred to welding neck flanges by many users due to their initially lower cost, the reduced accuracy required in cutting pipe to length and the somewhat greater ease of assembly alignment; however their final installed cost is probably not much, if any, less than that of welding neck flanges. Their calculated strength under internal pressure is of the order of two-thirds that of welding neck flanges, while their life under fatigue is about one-third. For these reasons slip on flanges are limited to sizes 1/2" to 2 1/2" in the 1500lb standard, are not shown in the 2500lb standard and the ASME Boiler Construction Code limits their use to the 4" size.



### WELDING NECK FLANGES

are distinguished from other types by their long tapered hub and gentle transition of thickness in the region of the butt weld joining them to the pipe. The long tapered hub provides an important reinforcement of the flange proper from the standpoint of strength and resistance to dishing. The smooth transition from flange thickness to pipe wall thickness effected by the taper is extremely beneficial under conditions of repeated bending, caused by line expansion or other variable forces, and produces an endurance strength of welding neck flanged assemblies equivalent to that of a butt welded pipe. Thus this type of flange is preferred for every severe service condition, resulting from high pressure or sub-zero/elevated temperatures, and whether loading conditions are substantially constant or fluctuates between wide limits: welding neck flanges are particularly recommended for handling high explosive, flammable or costly liquids, where loss of tightness or local failure may be accompanied by disastrous consequences.



### BLIND FLANGES

are used to blank off the ends of piping, valves and pressure vessel openings. From the standpoint of internal pressure and bolt loadings, blind flanges, particularly in the larger sizes, are the most highly stressed of all American Standard flange types; however, since the maximum stresses in a blind flange are bending stresses at the centre, they can safely be permitted to be higher than other types of flanges. Where temperature, or repeated severe water hammer, is a service factor, consideration should be given to closures made of welding neck flanges and caps.

# Pipe Fittings

D = BS.10 Table 'D'  
 E = BS.10 Table 'E'  
 F = BS.10 Table 'F'  
 H = BS.10 Table 'H'  
 J = BS.10 Table 'J'  
 150 = BS.1560 Class 150  
 6 = BS.4504 Table 6 (6bar)  
 10 = BS.4504 Table 10 (10 bar)  
 16 = BS.4504 Table 16 (16 bar)  
 25 = BS.4504 Table 25 (25 bar)  
 \* 13mm thickness may be used  
 \*\* thickness includes raises face – see Flange standard

Nom. Bore (Rating)	Flange Table	Out. Dia.	No. of Bolt Holes	Bolt Hole Dia.	P.C.D.	Thickness
	D	95	4	14	67	5*
	E	95	4	14	67	6*
	F	95	4	14	67	10*
	H	114	4	18	83	13
	J	114	4	18	83	16
15mm	150	89	4	16	60	11**
	300	95	4	16	67	14**
1/2"	6	80	4	11	55	12**
	10	95	4	14	65	14**
	16	95	4	14	65	14**
	25	95	4	14	65	16**
	D	102	4	14	73	5*
	E	102	4	14	73	6*
	F	102	4	14	73	10*
	H	114	4	18	83	13
	J	114	4	18	83	16
20mm	150	98	4	16	70	13**
	300	117	4	19	83	16**
3/4"	6	90	4	11	65	14**
	10	105	4	14	75	16**
	16	105	4	14	75	16**
	25	105	4	14	75	18**
	D	114	4	14	83	5*
	E	114	4	14	83	7*
	F	121	4	18	87	10*
	H	121	4	18	87	14
	J	121	4	18	87	19
25mm	150	108	4	16	79	14**
	300	124	4	19	89	17**
1"	6	100	4	11	75	14**
	10	115	4	14	85	16**
	16	115	4	14	85	16**
	25	115	4	14	85	18**
	D	121	4	14	87	6*
	E	121	4	14	87	8*
	F	133	4	18	98	13
	H	133	4	18	98	17
	J	133	4	18	98	19
32mm	150	117	4	16	89	16**
	300	133	4	19	98	19**
1 1/4"	6	120	4	14	90	16**
	10	140	4	18	100	16**
	16	140	4	18	100	16**
	25	140	4	18	100	18**
	D	133	4	14	98	6*
	E	133	4	14	98	9*
	F	140	4	18	105	13
	H	140	4	18	105	17
	J	140	4	18	105	22
40mm	150	127	4	16	98	17**
	300	155	4	22	114	21**
1 1/2"	6	130	4	14	100	16**
	10	150	4	18	110	16**
	16	150	4	18	110	16**
	25	150	4	18	110	18**
	D	152	4	18	114	8*
	E	152	4	18	114	10*
	F	165	4	18	127	16
	H	165	4	18	127	19
	J	165	4	22	127	25
50mm	150	152	4	19	121	19**
	300	165	8	19	127	22**
2"	6	140	4	14	110	16**
	10	165	4	18	125	18**
	16	165	4	18	125	18**
	25	165	4	18	125	20**
	D	165	4	18	127	8*
	E	165	4	18	127	10*
	F	184	8	18	146	16
	H	184	8	18	146	19
	J	184	8	22	146	25
65mm	150	178	4	19	140	22**
	300	191	8	22	149	25**
2 1/2"	6	160	4	14	130	16**
	10	185	4	18	145	18**
	16	185	4	18	145	18**
	25	185	8	18	145	22**

Nom. Bore (Rating)	Flange Table	Out. Dia.	No. of Bolt Holes	Bolt Hole Dia.	P.C.D.	Thickness
	D	184	4	18	146	10*
	E	184	4	18	146	11*
	F	203	8	18	165	17
	H	203	8	18	165	22
	J	203	8	22	165	32
80mm	150	191	4	19	152	24**
	300	210	8	22	168	29**
3"	6	190	4	18	150	18**
	10	200	8	18	160	20**
	16	200	8	18	160	20**
	25	200	8	18	160	24**
	D	216	4	18	178	10
	E	216	8	18	178	13
	F	229	8	18	191	19
	H	229	8	18	191	25
	J	229	8	22	191	34
100mm	150	229	8	19	191	24**
	300	254	8	22	200	32**
4"	6	210	4	18	170	18**
	10	220	8	18	180	20**
	16	220	8	18	180	20**
	25	235	8	22	190	24**
	D	254	8	18	210	13
	E	254	8	18	210	14
	F	279	8	22	235	22
	H	279	8	22	235	29
	J	279	8	25	235	38
125mm	150	254	8	22	216	24**
	300	279	8	22	235	35**
5"	6	240	8	18	200	20**
	10	250	8	18	210	22**
	16	250	8	18	210	22**
	25	270	8	26	220	26**
	D	279	8	18	235	13
	E	279	8	22	235	17
	F	305	12	22	260	22
	H	305	12	22	260	29
	J	305	12	25	260	38
150mm	150	279	8	22	241	25**
	300	318	12	22	270	37**
6"	6	265	8	18	225	20**
	10	285	8	22	240	22**
	16	285	8	22	240	22**
	25	300	8	26	250	28**
	D	337	8	18	292	13
	E	337	8	22	292	19
	F	368	12	22	324	25
	H	368	12	22	324	32
	J	368	12	25	324	41
200mm	150	343	8	22	298	29**
	300	381	12	25	330	41**
8"	6	320	8	18	280	22**
	10	340	8	22	295	24**
	16	340	12	22	295	24**
	25	360	12	26	310	32**
	D	406	8	22	356	16
	E	406	12	22	356	22
	F	432	12	25	381	25
	H	432	12	25	381	35
	J	432	12	27	381	48
250mm	150	406	12	25	362	30**
	300	444	16	29	387	48**
10"	6	375	12	18	335	24**
	10	395	12	22	350	26**
	16	405	12	26	355	26**
	25	425	12	30	370	32**
	D	457	12	22	406	16
	E	457	12	25	406	25
	F	489	16	25	438	29
	H	489	16	25	438	38
	J	489	16	27	438	51
300mm	150	482	12	25	431	32**
	300	520	16	32	450	51**
12"	6	440	12	22	395	24**
	10	445	12	22	400	26**
	16	460	12	26	410	28**
	25	485	16	30	430	38**

# Pipe Fittings

## MASTERKLAMP $\emptyset$ outside pipe (mm). Product Shortname: CLIP

	<div>4.13</div> <div>Ø</div> <div></div> <div>33.7 42.4 48.3</div> <div>Side Palm</div>	<div>4.20</div> <div>Ø</div> <div></div> <div>34 42 48.3</div> <div>Single Sided Collar Plate</div>	<div>4.21</div> <div></div> <div></div> <div>48.3</div> <div>Double Sided Collar Plate</div>		
<div>5.01</div> <div>Ø</div> <div></div> <div>26.9 33.7 42.4 48.3</div> <div>Male Single Swivel</div>	<div>5.02</div> <div>Ø</div> <div></div> <div><div></div>33.7 42.4 48.3</div> <div>Male Double Swivel</div>	<div>5.03</div> <div>Ø</div> <div></div> <div><div></div>33.7 42.4 48.3</div> <div>Male Corner Swivel</div>	<div>5.09</div> <div></div> <div></div> <div>26.9 33.7 42.4 48.3 60</div> <div>Female Single Swivel</div>		
<div>5.11</div> <div>Ø</div> <div></div> <div>26.9 33.7 42.4 48.3</div> <div>Single Swivel Combination</div>	<div>5.12</div> <div>Ø</div> <div></div> <div><div></div>33.7 42.4 48.3</div> <div>Double Swivel Combination</div>	<div>5.13</div> <div>Ø</div> <div></div> <div>33.7 42.4 48.3</div> <div>Corner Swivel Combination</div>	<div>6.01</div> <div></div> <div></div> <div>26.9 33.7 42.4 48.3 60.3</div> <div>Straight Coupling</div>		
<div>6.03</div> <div>Ø</div> <div></div> <div><div></div>42.4 48.3</div>	<div>6.06</div> <div>Ø</div> <div></div> <div><div></div>33.7 42.4 48.3</div>	<div>6.08</div> <div>Ø</div> <div></div> <div><div></div>33.7 42.4 48.3</div>	<div>6.09</div> <div></div> <div></div> <div><div></div>33.7 42.4 48.3</div>		
Pipe information			O.D.	N.B.	N.B.

### About Pipes & Sizes:

The actual bore depends on the wall thickness of the pipe. The nominal bore is an arbitrary figure used for descriptive purposes. MASTERKLAMP is manufactured to suit schedule 40 steel pipe or similar.

21.3mm	15mm	1/2"
26.9mm	20mm	3/4"
33.7mm	25mm	1"
42.4mm	32mm	1 1/4"
48.3mm	40mm	1 1/2"
60.3mm	50mm	2"

# Pipe Fittings

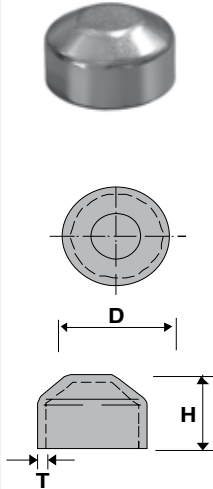
## MASTERKLAMP $\varnothing$ outside pipe (mm). Product Shortname: CLIP

<b>1.02</b> $\varnothing$  Short Tee 26.9 33.7 42.4 48.3 60.3	<b>1.04</b> $\varnothing$  Long Tee 26.9 33.7 42.4 48.3 60.3	<b>1.05</b> $\varnothing$  Internal Swivel Tee 360° 33.7 42.4 48.3	<b>1.07</b> $\varnothing$  Adjustable Tee 30° - 60° 33.7 42.4 48.3
<b>1.08</b> $\varnothing$  Clamp-on Tee 33.7 42.4 48.3	<b>2.01</b> $\varnothing$  Two Socket Cross 26.9 33.7 42.4 48.3 60.3	<b>2.02</b> $\varnothing$  Three Way Mid Corner 26.9 33.7 42.4 48.3 60.3	<b>2.03</b> $\varnothing$  Three Way Top Corner 26.9 33.7 42.4 48.3 60.3
<b>2.04</b> $\varnothing$  Two Socket Cross 30° - 45° 33.7 42.4 48.3	<b>2.05</b> $\varnothing$  Side Outlet Cross 26.9 33.7 42.4 48.3 60.3	<b>2.06</b> $\varnothing$  Four Socket Cross 26.9 33.7 42.4 48.3	<b>2.07</b> $\varnothing$  Combi Socket, Tee & Cross 42.4 48.3
<b>2.08</b> $\varnothing$  Crossover 90° 26.9 33.7 42.4 48.3 60.3	<b>2.09</b> $\varnothing$  Clamp-on Crossover 90° 33.7 42.4 48.3	<b>2.10</b> $\varnothing$  Adjustable Swivel Cross (set) 26.9 33.7 42.4 48.3	<b>3.01</b> $\varnothing$  Elbow 90° 26.9 33.7 42.4 48.3 60.3
<b>3.03</b> $\varnothing$  Variable Elbow 30° - 60° 33.7 42.4 48.3	<b>4.01</b> $\varnothing$  Base Flange 26.9 33.7 42.4 48.3 60	<b>4.02</b> $\varnothing$  Railing Base Flange 26.9 33.7 42.4 48.3 60.3	<b>4.03</b> $\varnothing$  Horizontal Base Railing Support 33.7 42.4 48.3
<b>4.04</b> $\varnothing$  Vertical Base Railing Support 33.7 42.4 48.3	<b>4.06</b> $\varnothing$  Handrail Support 26.9 33.7 42.4 48.3	<b>4.10</b> $\varnothing$  Uni 21.3 26.9 33.7 42.4 48.3 60.3	<b>4.11</b> $\varnothing$  Swivel Basel 26.9 33.7 42.4 48.3 60

# Pipe Fittings

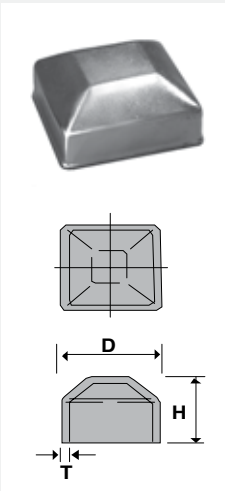
## POSTCAPS ROUND Pre-Galvanised & HDG

**Product Shortname:** KCAP



Code	To suit NB (mm)	To suit OD (mm)	H (mm)	D (mm)	T (mm)	Weight (mm)
CR20	20	26.9	23	30.5	1.5	25
CR25	25	33.7	28	37.5	1.5	40
CR32	32	42.4	28	46	1.5	48
CR40	40	48.3	30	53	1.5	85
CR50	50	60.3	30	65	1.5	114
CR65	65	76.1	3	82	1.5	153
CR80	80	88.9	30	94	1.5	188
CR90	90	101.6	36	116	1.5	250
CR100	100	114.3	38	120	1.5	289
CR125	125	139.7	40	144	1.5	509
CR150	150	165.1	40	167	1.5	551

## POSTCAPS SQUARE Pre-Galvanised

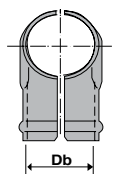
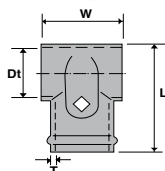


Code	To suit Tube (mm)	H (mm)	D (mm)	T (mm)	Weight (mm)
CS40	40	22	44	1.5	33
CS50	50	27	56	1.5	50
CS65	65	2	70	1.5	80
CS75	75	29	80	1.5	105
CS100	100	31	106	1.5	159

Other sizes available by request.

# Fence Fittings

## TEES

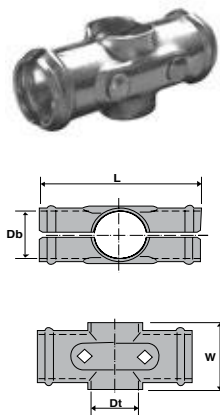


Code	Thru (mm)	Butt (mm)	Dt (mm)	Db (mm)	L (mm)	W (mm)	Bolt (mm) & Nut	T (mm)	Weight (g)
T2520	25	20	33.7	26.9	83	44	m8x50	2.5	190
T2025	20	25	26.9	33.7	75	45	m8x60	2.5	165
T2525	25	25	33.7	33.7	78	50	m8x60	3.0	250
T2532	25	32	33.7	42.4	86	61	m8x70	3.0	360
T3225	32	25	42.4	33.7	95	50	m8x60	3.0	335
T3232	32	32	42.4	42.4	100	60	m10x70	3.0	415
T3240	32	40	42.4	48.3	110	68	m10x75	3.0	465
T4032	40	32	48.3	42.4	117	63	m10x70	3.0	440
T4040	40	40	48.3	48.3	68	115	m10x75	3.0	510
T4050	40	50	48.3	60.3	120	78	m10x90	3.0	645
T5025	50	25	60.3	33.7	118	64	m10x60	3.0	485
T5032	50	32	60.3	42.4	125	63	m10x75	3.0	510
T5040	50	40	60.3	48.3	126	68	m10x85	3.0	590
T5050	50	50	60.3	60.3	130	77	m10x90	3.0	680



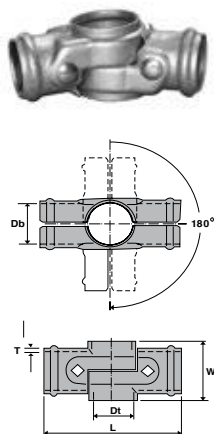
# Fence Fittings

## CROSSES



Code	Thru (mm)	Butt (mm)	Dt (mm)	Db (mm)	L (mm)	W (mm)	Bolt (mm) & Nut	T (mm)	Weight (g)
X2520	25	20	33.7	26.9	115	45	m8x60	2.5	305
X2525	25	25	26.9	33.7	118	45	m8x60	2.5	340
X3225	32	25	42.4	33.7	148	49	m10x60	2.5	445
X3232	32	32	42.4	42.4	143	56	m10x70	3.0	520
X4032	40	32	48.3	42.4	165	60	m10x75	3.0	615
X4040	40	40	48.3	48.3	165	66	m10x75	3.0	645
X5025	50	25	60.3	33.7	172	64	m10x70	3.0	665
X5032	50	32	60.3	42.4	185	68	m10x75	3.0	785
X5040	50	40	60.3	48.3	194	67	m10x85	3.0	785
X5050	50	50	60.3	60.3	198	75	m12x100	3.0	905

## ADJUSTABLE CORNERS



Code	Thru (mm)	Butt (mm)	Dt (mm)	Db (mm)	L (mm)	W (mm)	Bolt (mm) & Nut	T (mm)	Weight (g)
AC2525	25	25	33.7	33.7	155	54	m8x60	3.0	540
AC3225	32	25	42.4	33.7	165	54	m10x60	3.0	625
AC3232	32	32	42.4	42.4	183	65	m10x70	3.0	775
AC4032	40	32	48.3	42.4	183	65	m10x70	3.0	800
AC4040	40	40	48.3	48.3	188	71	m10x75	3.0	850
AC5025	50	25	60.3	33.7	180	53	m10x70	3.0	740
AC5032	50	32	60.3	42.4			m10x70	3.0	815
AC5040	50	40	60.3	48.3	176	71	m10x75	3.0	890
AC5050	50	50	60.3	60.3	200	83	m10x85	3.0	1145

# Flat Rolled Products



# Flat Rolled Products



## COLD ROLLED SHEET AND COIL

**Product Shortname:** CR & CRCL

**COMMERCIAL DRAWING QUALITY**

**Specifications:** AS/NZS 1595 NZCD-SD  
JIS G3141-SPCC SD

**Size Designation:**

Sheet: thickness (mm) x width (mm) x length (m)  
Coil: width (mm) x thickness (mm)

Mechanical Properties		
Longitudinal Tensile	Typical	Specification
0.2% Proof Stress MPa	190	160 - 240
Tensile Strength, MPa	340	290 - 365
% Elongation on GL = 50	45	34% min
HRB Hardness	52	40 - 60

### Applications:

Excellent for bending and roll forming. Good for pressing, drawing and welding.

### Standard Size Range Available:

Sheet	0.6	0.8	1.0	1.2	1.6	2.0	2.5	3.0
2438 x 1219	✓	✓	✓	✓	✓	✓	✓	✓
Coil Width								
1219	✓	✓	✓	✓	✓	✓	✓	✓

✓ denotes sizes normally available. Contact your local branch for sizes outside this range. Other widths are sourced as required.

### Tolerances:

NZ Steel NZCD-SD

Full coil sheeting, slitting, blanking and recoiling facilities available at Easysteel's Service Centres.  
Can we help reduce your wastage?

See page 99 for more details

# Flat Rolled Products



## HOT ROLLED SHEET AND COIL

**Product Shortname:** HR & HRCL

**Specifications:** AS/NZS 1594 HA250 Structural Grade  
JIS G3131 SPHC Commercial Quality

Mechanical Properties	Thickness ≤ 3.00mm	
	Typical	Minimum
Yield Strength, MPa	275	250
Tensile Strength, MPa	380	350
Elongation on GL = 200	31	16

### Size Range Available in Stock:

HR SPHC				
Sheet (mm)	Thickness (mm)			
	1.6	2.0	2.5	3.0
2440 x 1219	✓			
2440 x 1524		✓		
Structural Grade				
2400 X 1220			✓	
2440 X 1220		✓		

### Coated Sheet Steel And Coil:

Easysteel has established supply channels for a wide range of coated steel sheet and coil products.

The specific end use and aesthetic requirements determine suitability of available products for particular applications. Customers interested in further information should contact their local branch for product and supply details. Easysteel can source non standard widths and lengths through suppliers or from our coil and sheet processing service centres.

✓ denotes sizes normally available. Contact your local branch for sizes outside this range. Other widths are sourced as required.

# Flat Rolled Products



## GALVANISED STEEL SHEET AND COIL

**Product Shortname:** GSH, GC10, GC25, GC30, GC45, GC50 & GC55

**Specifications:** NZS/AS 1397 G250  
JIS G3302 SGHC or SGCC (Commercial Quality)  
AS 1397 on application only  
"Zincform"  
"Zinc-Hi-Ten"  
"Galva-Bond"

**Description:** Hot dipped, 100% Zinc coated Steel

**Available Grade:** GC, G250, G300, G450, G500, G550

**Typical Application:** Roofing, Cladding, Drums and Tubes, Purlins, Air Conditioning, Culverts, Sheet Metal Work, etc.

Mechanical Properties	Guaranteed Minimum
Yield Strength, MPa	250
Tensile Strength, MPa	320
Elongation on 50mm % ( $\geq 0.6\text{mm}$ )	25
180° transverse bend (L axis)	0t

Coating Weights						
NZ	grams/m <sup>2</sup> symbol	100 Z100	200 Z200	275 Z275	450 Z450	600 Z600
Japan/Korea	grams/m <sup>2</sup> symbol		200 Z20	275 Z27	450 Z45	600 Z60
Australia	grams/m <sup>2</sup> symbol		200 Z200	275 Z275	450 Z450	600 Z600

**Finishes Available:** Product is available in Regular Spangle. Minimised Spangle, skin passed and Zero Spangle can be sourced.

# Flat Rolled Products



## GALVANISED STEEL SHEET AND COIL

**Product Shortname:** GSH, GC10, GC25, GC30, GC45, GC50 & GC55

**Description:** Hot dipped, 100% Zinc coated Steel

**Available Grade:** G250, G300, G450, G500, G550

**Coating Class:** ZR- (Regular Spangle)

Pre-painted Colour Steel is available. (Standard Colours: 4 Colours)

### Standard Sheet Range Available:

Sheet (mm)	Thickness (mm)								
	0.45	0.55	0.75	0.95	1.15	1.55	2.0	2.5	3.0
2438 x 1219	✓	✓	✓	✓	✓	✓	✓	✓	✓
3000 x 1524		✓	✓	✓	✓	✓	✓		
<b>Coil Width (mm)</b>									
1219	✓	✓	✓	✓	✓	✓	✓	✓	✓
1524		✓	✓	✓	✓	✓	✓		

✓ denoted sizes normally available. Contact your local branch for sizes outside this range. Other widths are sourced as required.

Note: Thickness refers to base metal thickness (BMT).

Easysteel offers a coil shifting, sheeting, blanking and guillotine service for you to get the most economical use of your material. See page 99 for more details.

Equivalent Coating Thicknesses (mm)												
Coating mass symbol	ZR06	ZR08	ZR10	ZR12	ZR18	ZR20	ZR22	ZR25	ZR27	ZR35	ZR45	ZR60
Equivalent coating thickness	0.013	0.017	0.021	0.026	0.034	0.040	0.043	0.049	0.054	0.064	0.080	0.102

Coating mass symbol	F04	F06	F08	F10	F12	F18
Equivalent coating thickness	0.008	0.013	0.017	0.021	0.026	0.034

# Flat Rolled Products



## ELECTROGALVANISED STEEL SHEET AND COIL

**Product Shortname:** EG, EGCL

**Specifications:** JIS G3313    SECC-SC    Commercial Drawing Quality  
SECD-SD    Deep Drawing Quality  
RoHS compliant    SECEN    Extra Deep Drawing Quality

**Coating Mass:** Standard 163/m<sup>2</sup>. Other Coating weight are sourced as required

Note: Base Metal is Cold Rolled Sheet and Coil, but is further processed and electrogalvanised with zinc followed by a chemical surface treatment to inhibit development of white rust and improve paintability.  
Not suitable for external applications.

Mechanical Properties	Guaranteed Minimum
Tensile Strength, MPa	270
Elongation %	≥ 37

### Standard Size Range Available: SECC Only

Sheet (mm)	Thickness (mm)							
	0.6	0.8	1.0	1.2	1.6	2.0	2.5	3.0
2438 x 1219	✓	✓	✓	✓	✓	✓	✓	✓
<b>Coil Width</b>								
1219	✓	✓	✓	✓	✓	✓	✓	✓

✓ denotes sizes normally available. Contact your local branch for sizes outside this range. Other widths are stocked as required.

Note: Thickness refers to base metal thickness (BMT).

Easysteel offers a coil slitting, sheeting, blanking and guillotining service for you to get the most economic use of your material. See page 99 for more details.

# Flat Rolled Products



## ZINC/ALUMINIUM ALLOY COATED STEEL

**Product Shortname:** ZASH, ZCL, ZCL3 & ZCL5

**Specification:** AS 1397

**Applications:** Roofing, cladding, rainwater goods, purlins, girts, air conditioning, garage doors.

**Description:** Hot dipped, 45% Zinc 55% Aluminium, Alloy coated Steel

**Available Grade:** G300, G550

**Coating Class:** Coating Type: AZ (naturally small spangle)  
Coating Mass: Standard 150 g/m2

NZ Steel Brand Name: Zinalume® Pre-painted Colour Steel is available. (Standard Colours: 17 Colours)

Mechanical Properties	Guaranteed Minimum
Yield Strength, MPa	300
Tensile Strength, MPa	340
Elongation on 50mm % ( $\geq 0.6\text{mm}$ )	20
180° transverse bend	1t

### Size Range Available:

BMT	Width Thickness	
	G300	G550
0.30 - 0.35	70 - 1000	70 - 1000
0.36 - 0.94	70 - 1230	70 - 1230
0.95 - 1.15	70 - 1230	70 - 1230

### Standard Sheet Range Available:

Thickness (mm)	0.55	0.75
2438 x 1219mm	✓	✓

Other sizes available on request.

✓ denotes sizes normally available. Contact your local branch for sizes outside this range. Other widths are stocked as required. Note: Thickness refers to base metal thickness (BMT).

Easysteel offers a coil slitting, sheeting, blanking and guillotining service for you to get the most economic use of your material. See page 99 for more details.



# Flat Rolled Products



## ALUMINISED SHEET AND COIL

**Product Shortname:** ALMS, ALMC

**Specifications:** T1.25 Base.  
T1.40 Coating Extra  
CQ Commercial Quality  
DQ Drawing Quality  
DQSK Deep Drawing Quality

**Applications:** Greater heat resistance than galvanised and cold reduced steel and maintains finish at elevated temperatures.

Typical stock grade is CQ T1.40. \*ROHS Compliant.

### Standard Size Range Available:

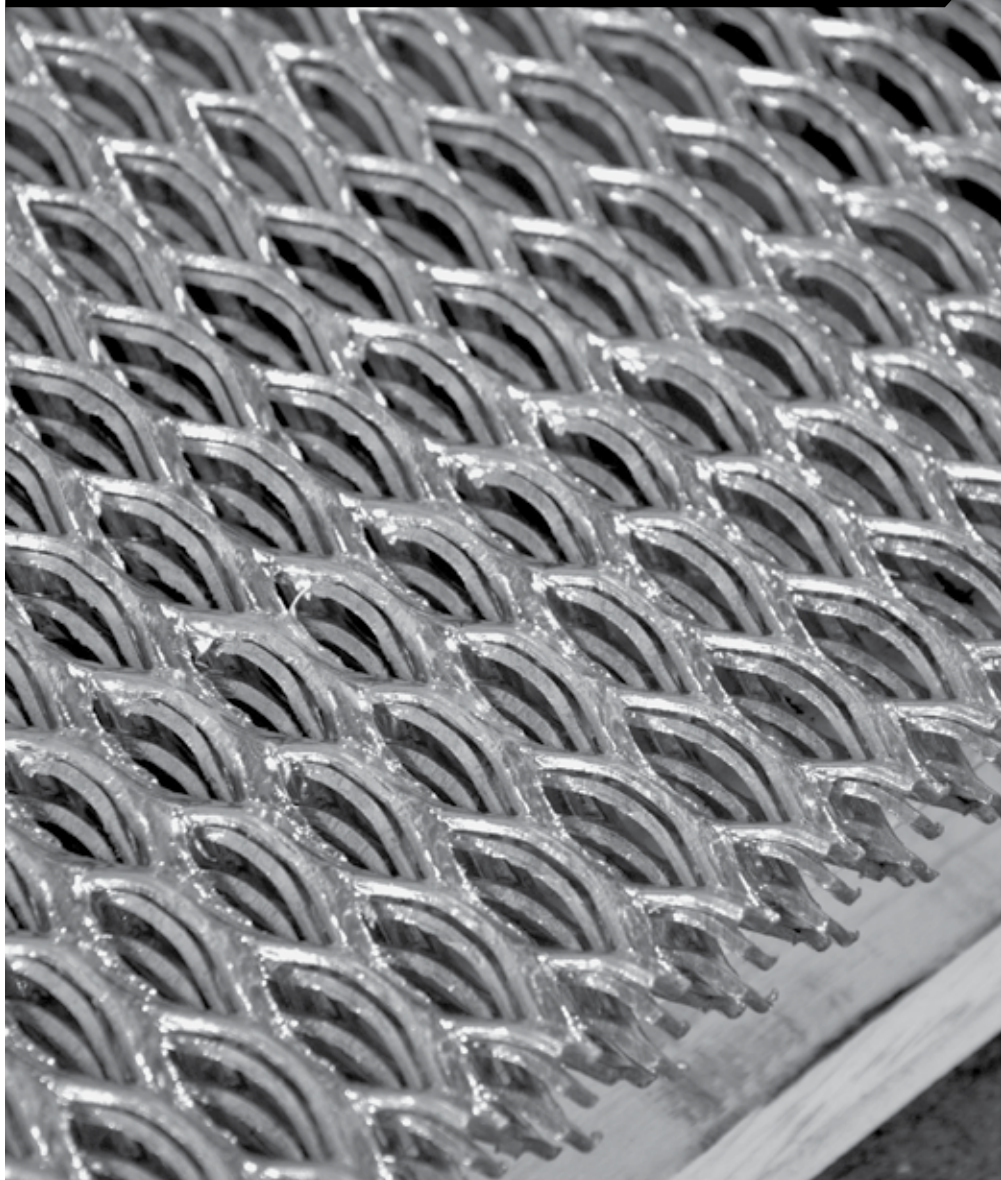
Sheet (mm)	Thickness (mm)		
	0.8	1.2	1.6
2438 x 1219	✓	✓	✓
Coil (mm)			
1219	✓	✓	✓

✓ denotes sizes normally available. Contact your local branch for sizes outside this range.

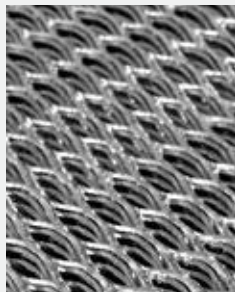
Easysteel offers a coil slitting, sheeting, blanking and guillotining service. See page 99 for more details.

\*Chrome Free Material available

# Manufactured Products



# Manufactured Products



## GRID MESH

**Product Shortname:** GRID

### Gridmesh:

Gridmesh is a single sheet of steel that has been slit and expanded into a network of uniform shaped openings. As a result Gridmesh has a distinctive pattern that is both decorative and strong. It is tough and durable with a high strength to weight ratio.

The GR series are relatively open meshes for general purpose jobs whilst the GM series have smaller mesh apertures for heavy duty jobs.

The steel used in all cases is low carbon steel 3.2mm or 5mm thick. It is available black or galvanised and can be readily welded.

### Applications:

Walkways, ramps, stairtreads, work platforms, vehicle ramps, gratings and floorings.

On the farm it can be used for stock crates, sheep races and woolshed floorings. For piggeries, it can be supplied in a flattened form for farrowing and weaner applications, along with the standard Gridmesh for fully grown animals.

It can be attractive as well as functional when used for security and decorative grills, sunscreens and dividers.

### Important:

When ordering GRIDMESH, note that the LWM long way of mesh is at right angles to the length of the sheet.

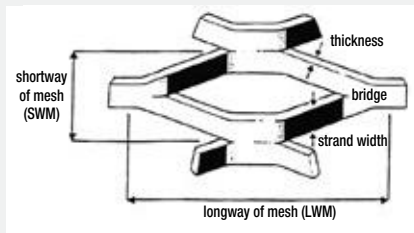
e.g. sheet size 3000 x 1200 LWM runs across the 1200 dimension.

Also note that when used on a ramp or a walkway, the mesh must span the gap in the LWM direction. Only when laid in this way, will the mesh have maximum rigidity. It should also be fastened every 4th mesh or approximately 150mm centres, and have at least 25mm overlap onto the supports.

Most sizes are also available in hot dipped galvanized.

# Manufactured Products

## GRID MESH



### Sizes Available:

Mesh Type	Unit S W M mm	Size L W M mm	Strand Width mm	Sheet Thickness mm	Mass ( $\pm 10\%$ ) kg/m <sup>2</sup>	Sheet Sizes (nominal) mm
GR300/WK4514	42	135	8.00	5.00	14.60	3000 x 600, 900, 1200
GR400/WK4519	45	135	11.00	5.00	19.50	2300 x 600, 900, 1200
GM450	25	75	7.50	5.00	22.00	2000 x 600, 900, 1200
AGRIMESH/FCAT	25	75	7.00	3.20	11.20	2400 x 1200
GM575/WK3028	30	75	10.50	5.00	28.10	3200 x 600, 900, 1200
WALKWAY	25	75	7.00	3.20	11.20	2400 x 1200, 600

### Quick Selection Tables for Walkways:

Load	Nominal Span of Mesh - Simply Supported	
	600mm	900mm
Distributed - 2.5kPa	GR300, GM450	GR400, GM575
Distributed - 5.0kPa	GR300, GM450	-
Concentrated - 1.1kN @ 1.2mCtrs.	GR300, GM450	GR400*, GM575*

\* These meshes, whilst safe for the spans shown maybe springy underfoot.

### Typical Fixing Method



For more detailed information regarding Gridmesh contact your local Easysteel branch.

# Manufactured Products

## EXPANDED METALS

**Product Shortname:** XPM

**General Information:** Very similar to Gridmesh, expanded metals are also a single sheet of steel slit and expanded into a network of uniform shaped opening.

**Applications:** Use opening sizes, typical applications are:

7 x 4	fireguards, display stands, anti-slip tread, hobbies
10 x 5	sump stone-guards, sculpture, anti-slip tread, paper making
15 x 5	frying baskets, anti-slip tread, tree/garden guards, rubbish bins
25 x 8	frying baskets, anti-slip tread, finger proof guards, stone guards
27 x 9	vermin control, display stands, machine guards, panels, grilles
35 x 14	grilles, cable trays, bird proofing, furniture, filter retaining, sign backgrounds
43 x 18	retaining bins, cages, shelving, agriculture, security, protection
67 x 30	security, panelling, rubbish bins, nursery/garden tables, pallets, infill panels
175 x 70	security, fencing, cages, infill panels, trellis work

When ordering, state the following information:

- mesh reference
- quantity of sheets
- sheet size
- finish required (black or galvanised)

Most meshes can also be supplied flattened. Therefore, please also state:

- Raised or Flattened

**Raised Meshes** - raised expanded metal is as it comes off the cutting and expanding machine. It has its strands at an angle to the plane of the sheet, adding strength and rigidity.

**Flattened Meshes** - flattened expanded metal is actually raised mesh flattened.

# Manufactured Products

## EXPANDED METALS

**Product Shortname:** XPM

**Sizes Available:**

Mesh Reference	Opening mm	Thickness mm	Strand mm	Sheet Size mm	Weight kg/sheet	% Open Area
10 x 6	7 x 4	0.8	1.2	1200 x 2400	7.4	60
12.5 x 6	10 x 5	1.0	1.2	1200 x 2400	9.2	60
20 x 6	15 x 5	1.0	1.7	1200 x 2400	13.0	45
30 x 12	27 x 9	1.0	1.7	1200 x 2400	6.5	71
30 x 12	27 x 9	1.0	2.5	1200 x 1800	7.2	58
30 x 12	27 x 9	1.2	2.2	1200 x 2400	10.1	65
30 x 12	27 x 9	1.6	3.0	1200 x 2400	18.4	50
40 x 18	35 x 14	1.2	2.0	1200 x 2400	6.1	78
40 x 18	35 x 14	1.6	3.0	1200 x 2400	12.3	67
50 x 24	43 x 18	1.6	2.0	1200 x 2400	6.1	83
50 x 24	43 x 18	1.6	3.0	1200 x 2400	9.2	75
50 x 24	43 x 18	2.0	3.0	1200 x 2400	11.5	75
50 x 24	43 x 18	3.0	3.5	1200 x 2400	22.0	71
75 x 36	67 x 30	2.0	3.0	1200 x 2400	7.7	83
75 x 36	67 x 30	3.0	4.0	1200 x 2400	15.4	78
200 x 75	175 x 70	3.0	7.5	1200 x 2400	15.0	80
19 x 7	14 x 5	0.8	1.0	1200 x 1200	1.8	75-80
19 x 7	14 x 4	1.0	1.7	1200 x 2400	3.7	60-73
28 x 9	22 x 7	1.0	1.5	1200 x 2400	2.7	78-89
28 x 9	20 x 6	1.6	1.6	1200 x 2400	4.4	48-56
28 x 9	19 x 5	1.6	2.2	1200 x 2400	6.2	48-56
30 x 12	24 x 10	1.0	1.5	1200 x 2400	1.9	81-87
30 x 12	23 x 9	1.2	2.2	1200 x 2400	3.3	68-78
30 x 12	23 x 9	1.6	2.2	1200 x 2400	4.4	67-75
30 x 12	22 x 9	2.0	2.2	1200 x 2400	5.5	64-71
38 x 15	31 x 14	1.0	2.0	1200 x 2400	1.8	68-74
38 x 15	30 x 13	1.6	2.0	1200 x 2400	3.3	68-78
38 x 15	29 x 12	2.0	2.7	1200 x 2400	5.1	68-74
50 x 19	40 x 20	1.6	2.1	1200 x 2400	2.3	81-87
50 x 19	40 x 18	2.0	2.7	1200 x 2400	3.8	77-81
50 x 19	37 x 16	3.0	3.9	1200 x 2400	8.3	67-74
60 x 25	50 x 21	1.6	2.2	1200 x 2400	2.2	82-87
60 x 25	48 x 19	2.0	2.8	1200 x 2400	3.5	73-80
76 x 38	62 x 28	2.0	2.9	1200 x 2400	2.7	81-84
76 x 38	62 x 28	3.0	3.5	1200 x 2400	5.0	76-81
76 x 38	60 x 25	3.0	4.5	1200 x 2400	6.7	75-79

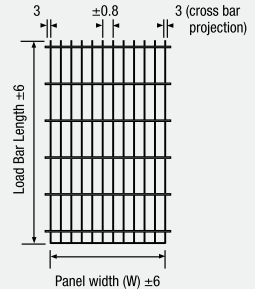
Not all sizes available exstock. Lead times may vary.  
Non standard sheet sizes available.

# Manufactured Products

## GRATING

**Product Shortname:** GRATE

**Specifications:** AS3679-250  
BS4360-43A  
ASTM A36



(All dimensions in mm.)

### General Information:

Grating is constructed of various size load bearings with 6mm square twisted cross rods forge welded to the upper edge of the load bars. A strong forge weld is achieved by the simultaneous application of electrical current and hydraulic pressure at the intersection point of each load bar and cross rod. This process produces an open web of steel capable of supporting loads. Because of its 80% open area, grating is easy to clean, allowing for other structures to be directly added to it, and permitting free passage of light and maximum air circulation.

### Availability:

Grating is manufactured in numerous combinations of load bar depth and thickness, load bar pitch and cross rod pitch.

#### Plain

Supplied with plain load bearing bars and 6mm twisted cross rods.

#### Serrated

Available with most standard load bearing bars, the serration's are formed by placing a series of notches along the upper edge of the load bar, thus enhancing the non-slip characteristics of the grating.

### Finishes Available:

Untreated, black bitumen paint or galvanised

*For more detailed information regarding grating contact your local Easysteel branch.*

# Manufactured Products

## PERFORATED SHEET

### General Information:

Perforated sheet is available in the following materials -

Mild Steel  
Galvanised  
Electrogalvanised  
Stainless Steel T304 and T316  
Aluminium Alloy

### Applications:

Sunscreens, balustrades, security screens, shopfitting and display, furniture, ceiling tiles, filtration, silencers, heating and ventilating, airconditioning grills, electrical components, food processing, agriculture and seed cleaning screens.

### Sizes Available:

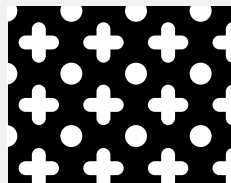
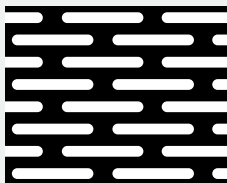
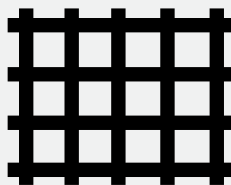
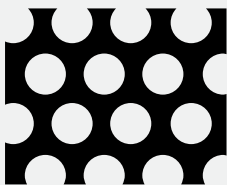
Standard sheet sizes are generally 2400 x 1200 and are available in a variety of thicknesses ranging from 0.5mm to 6.0mm. Sheet thickness largely depends on the type of material and perforation pattern.

### Patterns Available:

Round and Square Holes, Slots, Fancy Ornamental.

A large range of standard perforations are available ex our suppliers stock. Non-standard perforations may be manufactured to customer specification.

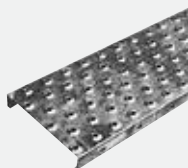
Sample of some available



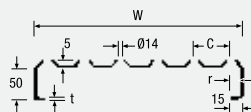
*For further details contact your local Easysteel branch*



# Manufactured Products



## PLANK



### NON-SLIP WALKWAY AND STAIR SYSTEM

#### General Information:

Plank has been designed to provide a non-skid surface and easy cleaning to meet stringent hygienic conditions.

#### Main Attributes:

##### Rigidity

Maximum strength for minimum weight with fewer supporting members required

##### Hygiene

Round raised studded holes prevent dirt traps, flushing away of dirt and offal is made easy

##### Safety

Slipping in either direction is eliminated due to the raised holes

#### Applications:

Catwalks, stair treads, mezzanine floors, walkways, drain covers, loading platforms, freezing works, dairy and paint factories.

#### Specifications:

##### Mild Steel

Hot Rolled to AS1204-250

Hot Dipped Galvanised to AS/NZS 4680

##### Stainless Steel

Available in Grade 304 and Grade 316

##### Aluminium

AA 5251

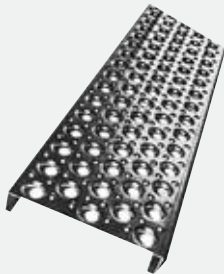
Standard length is 3 metres

NZ REGISTERED DESIGN NO. 15577

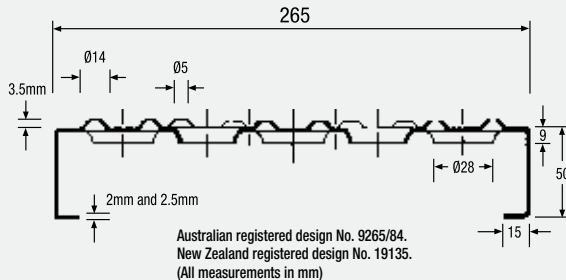
Plank Type		Mass kg/m	All dimensions in mm			
Industrial	Size (width x thickness)		W	C	r	t
Mild Steel Hdg	230w x 2.0 thk	5.4	230	56	29	2.0
Stainless Steel	230w x 2.0 thk	5.6	230	56	29	2.0
Aluminium	230w x 3.0 thk	2.7	230	56	28	3.0
Mild Steel Hdg	300w x 2.5 thk	8.1	300	47.5	28.5	2.5
Stainless Steel	300w x 2.0 thk	6.0	300	47.5	29	2.0
Aluminium	300w x 3.0 thk	3.2	300	47.5	28	3.0
<b>Heavy Duty</b>						
Mild Steel Hdg	300w x 3.0 thk	10.2	300	47.5	28	3.0

For further details contact your local Easysteel branch

# Manufactured Products



## STUD PLANK



## NON-SLIP WALKWAY AND STAIR SYSTEM

### General Information:

Stud plank is available in standard lengths of 3 metres. Non standard lengths can be manufactured to order.

Stud plank stair treads are available in lengths of 618mm, 737mm and 916mm.

One stair tread unit consists of:-

2 end brackets; 4 coach bolts (M10 x 20);

4 flat washers; 4 spring washers; 4 nuts

### Main Attributes:

#### Rigidity

Maximum strength for minimum weight with fewer supporting members required

#### Hygiene

Round raised studs and large drain holes prevent dirt traps and allow easy flushing away of dirt and offal

#### Safety

Slipping in either direction is eliminated due to the raised holes

#### Comfort

Loads are easily distributed creating a live surface to cushion workers' movements thereby reducing muscular strain, conserving energy and increasing productivity.

### Applications:

For applications in mining, timber mills, oil storage, fertiliser plants, power stations etc. Where rigidity, ease of maintenance, safety and comfort are required.

### Specifications:

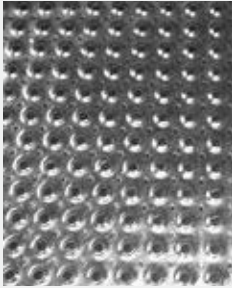
#### Materials

2.0mm mild steel to AS1204.250 in pre-galvanised to Z275 zinc coating thickness.

2.5mm mild steel to AS1204.250 in natural finish or Hot Dipped Galvanised to AS/NZS 4680.

*For further details contact your local Easysteel branch*

# Manufactured Products



## SAFE-T-PERF

### NON-SLIP SHEETS

#### General Information:

SAFE-T-PERF's precise configuration, flanged circular perforation ensures a reliable non-slip surface - non-slip in all directions - even when wet and greasy. Safe-T-Perf gives confidence, minimises risk, ensures a dependable 'grip' and promotes safety. Can be made to customer requirements.

#### Main Attributes:

##### Rigidity

Maximum strength for minimum weight with fewer supporting members required

##### Hygiene

Round raised studded holes prevent dirt traps, flushing away of dirt and offal is made easy

##### Safety

Slipping in either direction is eliminated due to the raised holes

#### Applications:

The reliable, effective non-slip product for floors, platforms, ramps, cat-walks, stairways, vehicle steps, scaffolding and livestock transport floors. Wherever safe walking is vital.

#### Specifications:

##### Mild Steel

Hot rolled to AS1204-250

Hot Dipped Galvanised to AS/NZS 4680

##### Stainless Steel

Available in Grade 304 and Grade 316

##### Aluminium

AA 5251

Standard length is 3 metres

*For further details contact your local Easysteel branch*

# Manufactured Products

## HANDRAIL SYSTEM

**Specifications:** AS 1657

**General Information:** The galvanised tubular handrail system is a pre-engineered system which can be transported and erected quickly and economically with a minimum of on-site work. The complete system comprises stanchions, rails, bends, kick plate and fixing bolts. Variations to standard stanchions can be custom built to your requirements.

**Finishes Available:** Untreated steel, stainless steel or powder coated finishes are available on request. Standard product is hot dipped galvanised to AS 1650-1989, ensuring that after installation, the monowills handrail system is maintenance-free.

**Applications:** It has been designed to suit New Zealand conditions and specifications and can be used anywhere railing is required on stairways, ramps, platforms, fire escapes, bridges, boats, factories, marina and farms.

*For further details contact your local Easysteel branch*



# Welding Products



# Welding Products

## MILD STEEL ELECTRODES

Product Shortname: GP

### PH28 E4313A, E6013, AC 50V / DC-

A universal electrode which has medium-heavy rutile coating, which yields a fairly rapid solidifying slag. It is very easy to apply in the vertical up and overhead positions, where a short arc length is beneficial. The weld appearance is very good for all positions. PH28 has excellent X-Ray properties.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	70-100	2.5	5	159
3.2	85-135	5.0	3	164
4.0	130-170	5.0	3	104

### PH48A E4313A, E6013, AC 45V OR DC-

This is a conventional type of electrode which welds in all positions. It is good for low open circuit voltage machines and has easy starting and restarting properties. In addition it exhibits very quiet running with reasonably smooth deposits. A very useful electrode for welding galvanised steel.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	70-100	2.5	5	158
3.2	90-135	5.0	3	158
4.0	130-180	5.0	3	105

### PH68 E4313A, E6013, AC 50V OR DC-

This medium-heavy coated rutile electrode produces a rapid freezing slag. Its large droplet type of arc makes it ideal for poor fitting work or where large gaps have to be bridged. It is perfect for site work because with one current setting welds can be done in all positions. Excellent for galvanised steel.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	60-95	2.5	5	172
3.2	70-125	5.0	3	163
4.0	130-170	5.0	3	109

### PH7024 E4924A, E7024, AC 50V OR DC-

The PH7024 is a heavy coated rutile contact type electrode developed for high speed welding of mild steel in flat and horizontal positions using AC or DC straight polarity. The iron powder content in the flux coating gives high efficiency combined with excellent mechanical properties.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
4.0	180-210	5.0	3	54

### PH31A, E4311A, E6011

The Weldwell PH31A is formulated for a deeply penetrating arc with fast burn-off rate. It is used primarily for welding pipe, using the stove-pipe technique. PH31A has good mechanical and X-ray characteristics. A touch technique or a short arc are the main requisites, depending upon the welding conditions.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	90-125	5.0	3	166
4.0	115-175	5.0	3	107

For a full listing of welding products, machines and consumables please visit [www.easysteel.co.nz](http://www.easysteel.co.nz)

# Welding Products

## LOW HYDROGEN ELECTRODES

Product Shortname: LOHY

### PH56S E4916AU H5, E7016-H8, AC 70V OR DC+

An all-positional low hydrogen electrode (not vertical down) which deposits very pure weld metal with exceptional mechanical and X-ray properties. For use on mild, unalloyed micro alloyed and low alloy steels, also for steels to LT 40 spec. Used with a short arc and reasonably slow travel speeds. Can be used with DC- for root passes if preferred.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	60-100	2.2	5	131
3.2	85-140	5.0	3	151
4.0	100-180	5.0	3	99

### PH16TC E4916-1AU H10, E7016-1 H8, AC 45 (2.5, 3.2) AC 55 (4.0) DC+

PH16TC is a smooth running, easy to use, all position twin coated, low hydrogen electrode, for mild and low alloy steel applications. Provides high quality notch tough weld metal. Easy re-strike. Can be operated on low OCV AC machines.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	60-90	2.5	5	147
3.2	90-135	5.0	3	148
4.0	140-190	5.0	3	90

### PH77 E4918-1AU H5, E7018-1 H8, AC 70V OR DC+

An iron powder low hydrogen electrode for welding steel, low alloy, high tensile steels and for steels to LT 40 spec in all positions. The metal recovery being approx 115% and the deposited welds are first class for X-ray. PH77 is welded with a short arc and due to its higher current characteristics welding is much faster than normal.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
2.5	60-105	2.2	5	107
3.2	90-145	5.0	3	126
4.0	140-200	5.0	3	87

# Welding Products

## HARD FACING ELECTRODES

**Product Shortname: PHFA**

### PH400 1435-A4, E Fe2, AC 50V OR DC+/-

Tough chromium-manganese alloy used for worn rails, shafts, grouser plates, shovel pads, track links, idler wheels, dragline pins etc. Typical undiluted hardness 38Rc.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	95-145	5.0	5	127
4.0	125-200	5.0	3	68

### PH600 1855-A4, E Fe3, AC 50V OR DC+/-

Versatile, low cost hard facing deposit for straight carbon, low alloy or manganese steel. The self hardening deposit has high abrasion resistance. Deposit is malleable and forgeable when hot. Typical undiluted hardness 59Rc.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	95-145	5.0	3	133
4.0	125-180	5.0	3	67

### PH700 2360-A4, AC 50V or DC+/-

PH700 is a high carbon-chrome type for impact and severe abrasion and has good resistance to scaling and corrosion in high temperatures. It can be deposited directly on to mild steel, low alloy steel or austenitic manganese steel. However, when the base metal is hardenable or high alloy, a buffer layer of PH56S, PH77 or the stainless alloy Elite RSP may be necessary. Typical undiluted hardness 62Rc.

Size (mm)	Amps Range	Pkt (kg)	Pkt/Ctn	Rods/Pkt
3.2	110-130	5.0	3	86
4.0	130-180	5.0	3	57



# Welding Products

## STAINLESS STEEL ELECTRODES

Product Shortname: STS

### Staincorder 316L-16 , E316L-16

Staincorder 316L-16 is a "state-of-the-art" formulation for highest quality all position stainless steel welding. The extra low carbon alloy is specifically indicated for general purpose alloy for most common 300 series, stainless alloys and 409, 444 and 3CR12 ferrite alloys.

Size (mm)	Amps Range	Pkt (kg)
2.6	50-90	2.5
3.2	70-130	2.5

### Staincorder 309L, ES309L-16

Staincorder 309L is a rutile coated - all position electrode for welding stainless steel containing 22 - 25% Cr and 12 - 14% Ni. AISI 309 may also be used for welding dissimilar metals, e.g. stainless steels type 18/8 to mild steel. Also used for welding the buffer layer of the 18/8 clad steels.

Size (mm)	Amps Range	Pkt (kg)
2.6	50-90	2.5
3.2	70-130	2.5

### Unicorder 312 E312-16, E312-16

Unicorder 312 is a "universal" high chromium-nickel alloy steel electrode producing high strength, tough welds in a wide range of alloy steels and irons and dissimilar metals. Smooth running basic rutile formulation gives excellent bead control, high arc stability and low spatter welding. Suitable for joining "hard-to weld" steels, eg: spring, die steels, irons etc. with tough crack resistant weld metal. It is a versatile maintenance electrode for factory, farm or die shop.

Size (mm)	Amps Range	Pkt (kg)
3.2	70-130	2.5



# Welding Products

## MIG GUN & CONSUMABLES

Suitable for the Weldmatic 356, 396, Fabricator, 350i, 500i, 300 and 500	
Product	Part No.
<b>Mig Gun</b>	
Replacement Bernard MIG gun 350 Amp	430251
Replacement Bernard MIG gun 400 Amp	430252
<b>Consumables</b>	
Gas diffuser/tip holder large (2 pkt)	233873
Rubber insulator	233870
Steel liner 0.9mm-1.2mm	233443
HD copper nozzle (2 pkt)	233876
0.9mm contact tip (10 pkt)	233879
1.0mm contact tip (10 pkt)	233886
1.2mm tip contact tip (10 pkt)	233881
1.6mm tip contact tip (10 pkt)	233883
1.8mm tip contact tip (10 pkt)	233890

Suitable for the Weldmatic 190, 270, 270C, 200i, 250, 200, 200+ and 250	
Product	Part No.
<b>Mig Gun</b>	
Replacement Bernard MIG gun 200 Amp	430250
<b>Consumables</b>	
Nozzle insulator brass conical (2 pkt)	233500
Nozzle insulator brass tapered (2 pkt)	233503
Gas diffuser/tip holder heady assembly (2 pkt)	233482
Rubber insulator	233470
Steel liner 0.9mm—1.2mm	233443
0.6mm tip (10 pkt)	233779
0.8mm tip (10 pkt)	233755
0.9mm tip (10 pkt)	233758
1.0mm tip (10 pkt)	233776
1.2mm tip (10 pkt)	233761

Suitable for Bernard T (Tregaskiss) gun	
Product	Part No.
<b>Consumables</b>	
Tip 403 20 30 05, 0.8mm HD T/Lock contact tip (10 pkt)	231329
Tip 403-20-35-05, 0.9mm HD T/Lock contact tip (10 pkt)	231330
Tip 403 20 10, 1.0mm HD T/Lock contact tip (10 pkt)	231342
Tip 403 20 45, 1.2mm HD T/Lock contact tip (10 pkt)	231326
Tip 403 20 52 05, 1.3mm HD T/Lock contact tip (10 pkt)	231325
Tip 403 20 116, 1.6mm HD T/Lock contact tip (10 pkt)	231328
Tip 403 20 18, 1.8mm HD T/Lock contact tip (10 pkt)	231343
Tip holder/ diffuser 404 26 02	231375
Liner 415 116 15, 0.9-1.6mm	231162
Nozzle HD 16 mm bore 6mm recess (2 pkt)	231303
Nozzle HD 16 mm bore 3mm recess (2 pkt)	231306
Nozzle HD 19 mm bore 3mm recess (2 pkt)	231307
Nozzle STD 10 mm bore 3mm recess (2 pkt)	231203
Nozzle STD 13 mm bore 3 mm recess (2 pkt)	231204
Nozzle STD 16 mm bore 3 mm recess (2 pkt)	231205

For a full listing of welding products, machines and consumables please visit [www.easysteel.co.nz](http://www.easysteel.co.nz)

# Welding Products

## CO<sub>2</sub> MIG WIRE

**Product Shortname:** MIGW

### Vortex AWS A5.18: ER70S-6

Weldwell Vortex MIG wire is a precision, level layer wound, copper coated steel wire, suitable for welding in all positions. Under satisfactory conditions the weld metal will contain less than 4 ml of hydrogen per 100g of weld metal, and is able to produce welds with excellent x-ray qualities. The thin copper coating ensures good electrical conductivity, reduces friction during welding and minimises corrosion of the wire.

Shielding Gas – CO<sub>2</sub>, Argon/CO<sub>2</sub>/Polarity: DC+.

Size (mm)	Pkt Size (kg)	Sold per
0.8	15	spl
0.9	15	spl
1.0	15	spl
1.2	15	spl

### Austmig ES6

Austmig ES6 is a copper coated, low carbon steel GMAW wire, formulated for optimum performance under Argon/CO<sub>2</sub> mixed gases and welding grade CO<sub>2</sub>. Arc transfer characteristics are excellent with Argon based gas mixtures, particularly in spray and pulsed transfer modes. Austmig ES6 is suitable for a wide range of welding applications on mild and medium strength steels providing consistently very low “H5” weld metal diffusible hydrogen levels when used with suitable shielding gases.

Size (mm)	Pkt Size (kg)	Sold per
0.8	5 & 15	spl
0.9	15	spl
1.0	15	spl
1.2	15	spl

For a full listing of welding products, machines and consumables please visit [www.easysteel.co.nz](http://www.easysteel.co.nz)

# Welding Products

## GAS SHIELDED FLUX-CORED MIG WIRE

### HOBART 71T AWS A5.20, Class E71T-1

Hobart 71T is an all position fluxcored wire designed to be used with 100% CO<sub>2</sub>. It can be used on all position welds with both single and multiple pass welds on mild and some low alloy steels.

Shielding Gas - 100% CO<sub>2</sub>/Polarity DC+.

**Product Shortname:** FCWI

Size (mm)	Pkt Size (kg)	Sold per
1.2	15	spl

### VORTEX 71T AWS A5.20, Class E71T-1

Hobart 71T is an all position fluxcored wire designed to be used with 100% CO<sub>2</sub>. It can be used on all position welds with both single and multiple pass welds on mild and some low alloy steels.

Shielding Gas - 100% CO<sub>2</sub>/Polarity DC+.

Size (mm)	Pkt Size (kg)	Sold per
1.2	15	spl

### Austfil Excel AWS A5.20 E71T-1M E71T-1C

WIA's Austfil Excel is an all positional rutile flux cored wire specially selected for optimum use-ability under either Argon/CO<sub>2</sub> or CO<sub>2</sub> shielding gas mixtures. While the product offers exceptionally smooth arc transfer, the mechanical properties are also tested to meet the New Zealand market requirements. It provides excellent operator appeal and usability in all positions, and a stable arc, low spatter, smooth bead appearance and easy slag removal.

Size (mm)	Pkt Size (kg)	Sold per
1.2	15	spl

## METAL CORED MIG WIRE

### HOBART 86R

Hobart 86R has superior operator appeal due to almost non existent spatter. It also produces essentially slag-free welds and offers relatively low fume levels, good penetration, low hydrogen levels, and 94-97% efficiency. Recommended for single and multiple pass welding in all position. (Positional welding possible with short arc or pulse mode only.)

Shielding Gas - 75-95% Ar/Bal CO<sub>2</sub>/Polarity DC+.

Size (mm)	Pkt Size (kg)	Sold per
1.2	15	spl

# Welding Products

## SEISMIC RATED MIG WIRE

**Product Shortname:** FCWI

### Fabshield XLR-8 AWS A5.20, Class E71T-8JD H8

Fabshield XLR-8 has been specifically designed for the demanding application of structural steel erection. This outstanding self-shielded, fluxcored wire produces a stable arc within a wide range of parameters. Designed to be used with constant voltage (CV) power sources. Usable under AWS D1.8 for use on Demand Critical Welds. Low Hydrogen Weld Deposit. For use on structural steel erection, heavy equipment repair, bridge construction, ship and barge construction. Shielding Gas – None/Polarity:DC-

Size (mm)	Pkt Size (kg)	Sold per
1.6	15	spl

## SELF SHIELDED FLUXCORED MIG WIRE

**Product Shortname:** FCWI

### FABSHIELD 21B

#### AWS A5.20, Class E71T-11

Fabshield 21B is a general purpose self-shielded fluxcored wire designed for single or multi-pass welding of thin gauge to 19mm thick mild or galvanised steels. Great for welding fillet or lap welds, this all position wire has high operator appeal, producing smooth spray-like arc transfer with low spatter levels, excellent weld bead appearance, and easy to remove slag. For use on machine parts, tanks, light structurals and other general fabrication. Shielding Gas - None/Polarity DC-.

Size (mm)	Pkt Size (kg)	Sold per
1.2	15	spl

### Austfill T11

The Austfil T-11 is a self-shielded flux cored wire for single and multi-pass applications in all positions. Arc is smooth and soft, good welding performance, full slag covering and easy slag removal. The Austfil T-11 is suitable for welding of mild and galvanized steels, gates, frames, sheds, light structures and general fabrication

Size (mm)	Pkt Size (kg)	Sold per
0.8	5	spl
0.9	5	spl
1.2	5	spl

For a full listing of welding products, machines and consumables please visit [www.easysteel.co.nz](http://www.easysteel.co.nz)

# Welding Products

## SOLID WELDING MIG

### POWERMIG ES6

A competitively priced alternative to Vortex standard general purpose mig wire with stock available nationwide.

POWERMIG ES6 is a copper coated, low carbon steel GMAW wire, specially formulated for optimum performance under welding grade CO<sub>2</sub> and mixed gases.

Arc transfer characteristics are excellent with Argon based gas mixtures, particularly in spray and pulsed modes of transfer.

The high-quality copper coating of POWERMIG ES6 ensures smooth and stable feeding, good electrical contact, and low tip wear.

POWERMIG ES6 is suitable for a wide range of welding applications on mild and medium strength steels. It is ideal for positional, single pass welding of sheet steel and steel pipes / tubes where the high silicon content promotes smooth even weld beads with excellent edge wetting and contour.

#### Features:

- Standard copper coated solid mig wire suitable for mild steel – medium strength steel
- Meets AWS A5.18: ER70S-6 & ISO 9001:2015
- Brought into NZ via Malaysian manufacturer & is also sold by Cigweld in Australia
- Has been stocked and sold by Easysteel for a number of years
- Suitable alternative & same standard to popular Vortex mig wire
- Competitively priced & high stock levels nationwide

**Product Shortname: MIGW**



Size (mm)	Pkt Size (kg)	Sold per
0.8	15	spl
0.9	15	spl
1.0	15	spl
1.2	15	spl

# Welding Products

## PETROL ENGINE DRIVEN GENERATOR WELDERS

**Product Shortname: MACH**

### Miller Big Blue 400x Pro

Designed with the professional in mind, the Big Blue 400X Pro is the best for ease of use, reliability & fuel economy.

- Heavy-duty low-speed Kubota V1505 industrial diesel engine.
- Improves work site safety and communication.
- Spend more time welding, less time walking with ArcReach technology.



### Miller Trailblazer 325 with “ArcReach,” “Autospeed” and EFI

For productivity, profitability, and quieter job sites. The Trailblazer 325 provides unbeatable arc performance providing the smoothest, most stable arc in the industry.

Millers “ArcReach” Technology allows for remote control of weld settings using the “ArcReach” SuitCase 12 feeder or the ArcReach Stick/ TIG remote without the need for a control cable.

Miller’s exclusive “AutoSpeed” together with electronic fuel injection technology, makes this welder/generator economical to run and quietest Trailblazer yet — rated at 73.5 db at 325 amps.

If your jobsite needs a welder/generator, it needs a Trailblazer welder/generator.



### Miller Bobcat 260

Millers New Bobcat 260 with remote start stop, now operators can easily turn the Bobcat 260 machine on or off remotely, so it only runs when you need it. With 11000 watts of Peak power and 9500 watts of continuous “Accu-Rated” power, the Bobcat 260 provides great versatility through two 15 amp auxiliary outlets, or using its MIG, Stick or DC TIG capability.



For a full listing of welding products, machines and consumables please visit [www.easysteel.co.nz](http://www.easysteel.co.nz)

# Welding Products

## MULTI PROCESS POWER SOURCE

### Miller XMT 350 FieldPro with ArcReach

Transform the way you weld with Miller's XMT 350 FieldPro system with ArcReach technology – Make weld adjustments at the wirefeeder.

- Spend more time welding, less time walking.
- Increase productivity, safety and equipment uptime.
- Superior arc performance and weld quality.



### Miller ArcReach Suitcase 12 Wirefeeder

Transform the way you weld – Miller's ArcReach Suitcase 12 wirefeeder offers technology that allows weld operators to make adjustments at the wirefeeder. Improving safety, productivity and profitability.

The simple interface allows weld operators to adjust parameters at the point of use with no control cords.



### Miller 70 Series Wirefeeders

Suited to Dimension and XMT welding machines the 70 Series offers digital meters ensuring accuracy when presetting and reading actual voltage, amperage and wire feed speed. Designed for heavy industrial applications these popular bench feeders are available in a range of models to fit your needs.



\*For full information contact your nearest trade centre.



# Welding Products

## TIG / STICK MACHINES

Product Shortname: MACH

### Weldarc 135

The perfect Stick welder if you're just starting out, the Weldarc 135 is the smallest in the WIA range. But don't let the size fool you. Simple in its design, yet it offers professional features including Arc Force, which allows the 135 to weld with ease and produce quality results.

Manufactured to deliver, the Weldarc 135 comes with 3 years warranty (power source only).

### Weldarc 145

If you're just starting out or have some welding experience, the Weldarc 145 welder is best for DC Stick and suitable for DC TIG. Best for general maintenance and repair work, this little unit is robust, yet lightweight and portable making it easy to pick up and pack up.

With up-to-date technology, the 145 offers more than its competition, including power factor correction for maximum efficiency and an IP23S rating, providing extra protection for harsh environments. Built with quality components and manufactured to deliver, it comes with 3 years warranty (power source only).

### Weldarc 185

The Weldarc 185 is the perfect Stick/TIG welder for any intermediate welder. Coming in at 8kg this unit is lightweight yet robust and can easily be transported from the workshop to on-site.

Equipped with the latest technology, the 185 offers more than its competition including power factor correction for maximum efficiency and an IP23S rating, providing extra protection for harsh environments. Built with quality components manufactured with 3 years warranty (power source only).

### Weldarc 200 DC

Get quality results with the Weldarc 200 DC Stick/TIG welder. For intermediate to welding professionals, HF Start and Pulse TIG capabilities provide easy non-contact arc starting and allows greater heat control of the weld pool, increases weld penetration and speed, and provides high quality weld results. Plus, it supports foot control adjustment for enhanced control capabilities.

Built with quality components and manufactured with 3 years warranty, the Weldarc 200 DC is an easy choice for welders looking for professional grade Stick/TIG welder that doesn't compromise on results.



\*For full information contact your nearest trade centre.

For a full listing of welding products, machines and consumables please visit [www.easysteel.co.nz](http://www.easysteel.co.nz)

# Welding Products

## TIG / STICK MACHINES

Product Shortname: MACH

### Weldarc 200 AC/DC

For intermediate to professional Stick/TIG welders looking for AC TIG capabilities for high precision aluminium welding. The Weldarc 200 AC/DC features an up-to-date and easy to use digital LCD interface for quick setup through pre-set parameters and memory selection.

Built with HF Start and Pulse TIG functionality, the Weldarc 200 AC/DC also provides easy non-contact arc starting and allows greater heat control of the weld pool, increases weld penetration and speed, providing high quality weld results. Plus, it supports foot control adjustment for enhanced control capabilities.

Built to perform with quality components it comes with 3 years warranty (power source only).



\*For full information contact your nearest trade centre.

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# Welding Products

## TIG / STICK MACHINES

Product Shortname: MACH

### Miller Dynasty® 210

Experience unfailing precision arc performance paired with a state-of-the-art, user-friendly LCD interface that puts advanced capabilities at your fingertips. Dynasty TIG power sources help minimise error and achieve high-precision welds every time, making the best welders even better.

Suitable for AC/DC Stick/TIG welding.

#### Features:

- Ideal for precision fabrication and maintenance jobs split between the workshop & site.
- For welding steel, stainless steel, copper, titanium & aluminium.
- TIG Pulse to control heat input & distortion.



### Dynasty® 300

Delivers superior arc performance and high precision welds every time. Includes a state-of-the-art LCD interface, advanced capabilities. including four AC waveforms and three pulse wave forms to achieve the most premium results.

Suitable for AC/DC Stick/TIG welding.

#### Features:

- Ideal for heavy and precision fabrication, aluminium ship repair, Aerospace applications and more.
- For welding steel, stainless steel, copper, titanium & aluminium.
- TIG pulse to control heat input and distortion.



### Miller Dynasty® 400

Latest technology - powerful, compact AC/DC inverter delivers superior arc performance with comprehensive AC arc-shaping capabilities.

#### Features:

- Auto-Line™ technology allows greater tolerance to power supply fluctuation and improved operation from generator power.
- For TIG, Stick, Pulsed TIG and Air Carbon Arc welding.
- Superior arc performance with comprehensive AC arc-shaping capabilities.



# Welding Products

## MULTI PROCESS MACHINES

### Weldmatic 180

The Weldmatic 180 is a perfect solution for trade welding or welding hobbyists after one welder that can MIG, Stick and TIG weld with ease. For workshop jobs to outdoor repairs, the Weldmatic 180 is lightweight making it easy to pick up and transport.

Equipped with the latest technology, the 180 offers digital meters making adjusting parameters easier, plus it's IP23S rated, providing extra protection in harsh environments. Built with quality components it comes with 3 years warranty (power source only).



### Weldmatic 200

Want a transportable machine capable of MIG, TIG and Stick welding? From the workshop to on-site, the Weldmatic 200 can go where you go. It takes both 1kg & 5kg spools making it perfect for smaller welding jobs, and comes equipped with digital meters for easier parameter adjustment.

Built with quality components and manufactured with 3 years warranty, the Weldmatic 200 delivers on reliability and performance making it the perfect portable choice for intermediate and professional welders.



### Weldmatic 200+

Lightweight and portable, the Weldmatic 200+ is capable of MIG, TIG and Stick welding and features an up-to-date and easy to use digital LCD interface for quick setup through pre-set parameters and memory selection. For the workshop or on-site, the Weldmatic 200+ takes 1kg and 5kg spools making it perfect for smaller welding jobs. Equipped with a new MIG gun the Weldmatic 200+ also provides better positioning and more flexibility when welding.

Built with quality components and manufactured with 3 years warranty, the Weldmatic 200+ delivers on reliability and performance making it the perfect portable choice for intermediate and professional welders.



### Weldmatic 250

Portable but big on power, the Weldmatic 250 is capable of MIG, TIG and Stick welding and features an up-to-date and easy to use digital LCD interface for quick setup through pre-set parameters and memory selections. For workshop or on-site, the 250 takes 5kg and 15kg spools making it perfect for larger welding jobs.

Built with quality components and manufactured with 3 years warranty, the Weldmatic 250 offers reliability and performance, making it the perfect powerful yet portable choice for regular welders.



# Welding Products

## Weldmatic 350

Packed with power. The Weldmatic 350 is robust and built to perform for professional fabrication applications. Capable of MIG, TIG and Stick welding, it offers optimal weld characteristics that provide high quality results.

Featuring Digital Volt and Amp meters, the 350 allows for easy and precise set up by retaining last weld information. Perfect for a workshop it comes packaged with a separate wire feeder for extra flexibility.

### Features:

- 350 A at 31.5 V 60% duty cycle
- Packaged with a 4 roll drive wire feeder, 10m interconnecting lead kit and trolley with drawer
- Welds 12mm+ steel, stainless steel or aluminium
- Suits 5kg and 15kg gas-shielded and gasless flux-cored wires
- Comes with VRD
- 3 years warranty (power source only)



## Weldmatic 500

The Weldmatic 500 is a powerful and robust multi-process machine built to perform for professional fabrication applications. Capable of MIG, TIG, and Stick welding, it offers optimal weld characteristics that provide high quality results.

Featuring Digital Volt and Amp meters, the 500 allows for easy and precise set up by retaining last weld information. Perfect for a workshop it comes packaged with a separate wire feeder for extra flexibility.

### Features:

- 500 A at 40 V 60% duty cycle
- Packaged with a 4 roll drive wire feeder, 10m interconnecting lead kit and trolley with drawer
- Welds 12mm+ steel, stainless steel or aluminium
- Suits 5kg and 15kg gas-shielded and gasless flux-cored wires
- Comes with VRD
- 3 years warranty (power source only)



# Welding Products

## PLASMA CUTTER MACHINES

### Cutmatic 45 plasma

From the workshop to on-site the Cutmatic 45 is highly portable and can go where you go. Capable of cutting mild steel, stainless steel and aluminium, its serious cutting capabilities can effortlessly clean cut up to 16mm and server cut up to 20mm.

With up-to-date date technology, the Cutmatic 45 offers power factor correction for maximum efficiency. Built with quality components and manufactured to deliver, it comes with 3 years warranty (power source only).



## BERNARD MIG GUNS

**Product Shortname:** MISM



## GAS EQUIPMENT

**Product Shortname:** GASM

### Regulators

Weldwell Elite Oxygen Regulator  
Weldwell Elite Acetylene Regulator  
Weldwell Elite Propane Regulator



For a full listing of welding products, machines and consumables please visit [www.easysteel.co.nz](http://www.easysteel.co.nz)

# Welding Products

## SAFETY

**Product Shortname: HELM**

### WH330 Flip Up Welding Helmet

Lightweight, for electric or arc welding. 108mm x 51mm lens. Supplied with Shade # 11 lens.



### Miller Digital Elite Welding Helmet

Now available with Clearlight™ lens technology providing high definition optics for better visibility & better welds. Miller's Digital Elite Series features four modes – Weld, Cut, Grind, X-Mode, improved digital controls and lightweight headgear with multiple settings offering the best fit & comfort. With four independent arc sensors, Miller's Digital Elite Series suits MIG, Stick, TIG, Flux-Cored and Pulse welding, comes with a 3-year warranty and complies with New Zealand standards.



### Miller Digital Elite Welding Helmet with Graphics

As for the Digital Elite but including graphics.



### Miller Digital Infinity Welding Helmet

Now available with Clearlight™ lens technology providing high definition optics for better visibility & better welds. Miller's Digital Infinity Series has a huge 112 x 78mm viewing area. Plus, it features four modes – Weld, Cut, Grind, X-Mode, improved digital controls and lightweight headgear with multiple settings offering the best fit & comfort. With four independent arc sensors Miller's Digital Elite Series suits MIG, Stick, TIG, Flux-Cored and Pulse welding, comes with a 3-year warranty and complies with New Zealand standards.



For a full listing of welding products, machines and consumables please visit [www.easysteel.co.nz](http://www.easysteel.co.nz)

# Welding Products

## SAFETY

Product Shortname: HELM

### Miller Ultra HDV Welding Helmet

Provides better visibility, enhanced comfort and advanced technology, plus 4 Miller exclusive technologies:

Exclusive HDV lens technology: For a sharp detailed view with minimal distortion.

Exclusive ClearLight™ 2.0 technology for the most realistic view that's clearer and brighter.

Exclusive InfoTrack™ 2.0 technology: Provides memory, arc time functions.

Exclusive X-Mode technology: Allows the lens to darken only when you start to weld. Ideal for outdoor, low amp TIG and obstructed applications.

#### Features:

- Fast 0.04 seconds switching speed.
- Large 174x126 integrated grind shield.
- 2.5 and half shade settings.



### Vortex HDV PAPR System

Designed for professional welders, Miller's Vortex HDV PAPR System provides protection against weld fumes for the most demanding applications. Lightweight, it increases wearability and features 6 air distribution points and 3 cooling speeds to keep you cooler on the job. Plus, with Miller's exclusive HDV Lens Technology and ClearLight™ 2.0 Lens Technology, you'll get a sharper, clearer, more detailed view with minimal distortion so that you can see more every time you weld.

#### Features:

- 6 air distribution points and 3 air speeds.
- 2x lightweight lithium-ion batteries. Once for use and one for charging.
- 3 point back pack style shoulder straps.
- Lightweight low profile blower unit design. Only 1362g.
- LCD screen displays fan speed, filter time, battery level and current time.
- Audible and vibrating alarm.
- 4x Miller exclusive technologies: HDV lens, X-Mode, ClearLight™ 2.0 and InfoTrack™ 2.0.





# Service Centres



# Service Centres

## SERVICE CENTRES

Company Organisation:

	Sales Centre	Distribution Centre	Coil Processing	Plate Processing
North Island	Whangarei Auckland Hamilton Tauranga Rotorua New Plymouth Hawkes Bay Palmerston North Wellington	Auckland	Auckland	Auckland
South Island	Nelson Christchurch Dunedin Invercargill	Christchurch	Christchurch	

# Service Centres

## PLATE PROCESSING

Easysteel's 'Easycut Profiling' operations provide the largest and most efficient plate cutting facilities in New Zealand. Whether your requirements are for mild steel, boiler quality or high strength plate we can cut your plate to meet your requirements. A list of services are offered below:



- The 260 amp top of the line high definition Kinetic plasma machines in Auckland and Christchurch can cut plate up to 50mm thick. Easysteel offer a range of services from drilling and tapping through to beveling and etching, saving our customers time and money.
- The Dycon 300 tonne numerically controlled press brake at our Auckland facility has a computer controlled automatic backstop and can press up to nine different folds per plate, all with repetitive folds.
- An integral part of the plate processing is the latest in software in our CAD department to quickly and efficiently nest your designs and shapes at minimal cost and waste. All drawings are held in memory allowing repeat orders to be recalled immediately.

Machine Capabilities in Auckland		
	Plasma Cutting	Gas Cutting
Thicknesses	2mm - 50mm	10mm - 257mm
Grades	All Carbon Steels	All Carbon Steels
Beveling	0-45° Multiple Bevel Capabilities	0-45° Bevel Capabilities
Etching	Text and line marking	Text and line marking
Drilling	Standard Metric Sizes from 4mm to 35.5mm diameter	-
Tapping	Standard Metric Sizes from M8 to M20	-
Tolerances	+/- 1mm on all Profiling	+/- 1mm on all Profiling

Additional Machine Capabilities in Auckland only
300T Pressbrake
up to 12mm

# Service Centres

## SHEET & COIL PROCESSING

In order to cater for specialist requirements of the New Zealand manufacturing industry and expand services available, Easysteel offers a Service Centre operation with some of the latest metal processing technology and equipment available in New Zealand. With Coil processing equipment in Auckland and Christchurch the facilities are available to slit, sheet, blank and guillotine both ferrous and non-ferrous metals to exacting standards.

### Machine Capabilities:

	Auckland	Christchurch
<b>Slitting</b>		
Maximum Width	1525mm	
Minimum Width	16mm	
Thickness Range	0.35 - 3.5mm STD	
<b>Sheeting &amp; Blanking</b>		
Maximum Width	1828mm	1250mm
Minimum Width    Thickness : 1mm <1mm	76mm 127mm	200mm 200mm
Thickness Range	0.5 - 3.2mm Mild Steel	0.4 - 1.6mm M.S.
	0.5 - 2.0mm Stainless Steel	–
	0.5 - 3.2mm Aluminium	–
<b>Guillotines</b>		
Minimum Width	28mm	
Maximum Length	2400mm	
Thickness Range	0.4 - 3.2mm	
<b>Coil Weight</b>		
Max Weight	10 Tonne	6.2 Tonne

# Conversion Tables

## USEFUL TABLES WEIGHTS - KG/METRE

### ROUND BARS:

Metric Size mm	Imperial Equivalent Size inch	kg/m	Metric Size mm	Imperial Equivalent Size inch	kg/m	Metric Size mm	Imperial Equivalent Size inch	kg/m
3	0.1181	0.056	23.812	$15/16$	3.496	69.850	$2\frac{3}{4}$	30.081
3.175	$1/8$	0.062	24	0.9449	3.551	70	2.756	30.120
4	0.1575	0.099	25	0.9843	3.853	75	2.953	34.680
4.762	$3/16$	0.140	25.400	1	3.978	76.200	3	35.799
5	0.1969	0.154	28	1.1024	4.834	80	3.149	39.458
6	0.2362	0.222	28.575	$1\frac{1}{8}$	5.034	82.55	$3\frac{1}{4}$	42.013
6.350	$1/4$	0.247	30	1.1811	5.549	88.90	$3\frac{1}{2}$	48.726
7.937	$5/16$	0.388	31.750	$1\frac{1}{4}$	6.215	90	3.543	49.939
8	0.3150	0.395	32	1.2598	6.313	100	3.937	61.654
9.525	$3/8$	0.559	33	1.2992	6.714	101.60	4	63.642
10	0.3937	0.617	34.925	$1\frac{3}{8}$	7.520	105	4.134	67.973
11.112	$7/16$	0.761	35	1.3780	7.553	110	4.331	74.601
12	0.4724	0.888	38.100	$1\frac{1}{2}$	8.950	114.30	$4\frac{1}{2}$	80.547
12.700	$1/2$	0.994	40	1.5748	9.865	120	4.724	88.781
13	0.5118	1.042	41.275	$1\frac{5}{8}$	10.504	127.0	5	99.441
14	0.5512	1.208	44.450	$1\frac{3}{4}$	12.181	130	5.118	104.19
14.287	$9/16$	1.259	45	1.7717	12.485	140	5.512	120.84
15.875	$5/8$	1.554	47.625	$1\frac{7}{8}$	13.984	150	5.905	138.72
16	0.6299	1.578	50	1.9685	15.413	152.40	6	143.19
17	0.6693	1.782	50.800	2	15.911	160	6.299	157.83
17.462	$11/16$	1.880	53.975	$2\frac{1}{8}$	17.962	180	7.086	199.75
19	0.7480	2.226	55	2.1654	18.650	200	7.874	246.61
19.050	$3/4$	2.237	57.150	$2\frac{1}{4}$	20.137	210	8.267	271.89
20	0.7874	2.466	60	2.3622	22.195	220	8.661	298.40
20.637	$13/16$	2.626	60.325	$2\frac{3}{8}$	22.436	230	9.055	326.14
22	0.8661	2.984	63.500	$2\frac{1}{2}$	24.861	250	9.842	385.33
22.225	$7/8$	3.045	65	2.559	26.049			

### HEXAGON BARS:

6.35	$1/4$	0.274	19.05	$3/4$	2.466	28.57	$1\frac{1}{8}$	5.550
7.94	$5/16$	0.428	20.64	$13/16$	2.894	31.75	$1\frac{1}{4}$	6.853
9.52	$3/8$	0.616	20.83	0.820	2.948	34.92	$1\frac{3}{8}$	8.292
11.11	$7/16$	0.840	22.22	$7/8$	3.358	38.10	$1\frac{1}{2}$	9.868
12.70	$1/2$	1.096	23.37	0.920	3.711	47.24	1.860	15.166
14.29	$9/16$	1.388	25.40	1	4.386	52.07	2.050	18.379
15.87	$5/8$	1.712	26.99	$1\frac{1}{16}$	4.946			

To calculate the weights of Bright Steel Bars in kg/metre, use the following formulae:-

Hexagons	- (size a/f in mm) <sup>2</sup>	x .006798	= weight per metre in kilograms
Squares	- (size a/f in mm) <sup>2</sup>	x .00785	= weight per metre in kilograms
Rounds	- (Diameter in mm) <sup>2</sup>	x .006165	= weight per metre in kilograms
Flats	- Width in mm x thickness in mm	x .00785	= weight per metre in kilograms

# Conversion Tables

## APPROX. COMPARISON OF TENSILE STRENGTH\*

tons/in <sup>2</sup>	p.s.i	kg/mm <sup>2</sup>	N/mm <sup>2</sup> or MPa	tons/in <sup>2</sup>	p.s.i	kg/mm <sup>2</sup>	N/mm <sup>2</sup> or MPa
16	37,000	25.8	250	80	180,000	126.0	1236
20	45,000	31.6	309	81	182,000	128.0	1251
23	51,500	36.5	355	84	188,000	132.2	1297
26	58,000	40.8	402	85	190,000	133.6	1313
29	65,000	45.7	448	88	197,000	138.5	1359
30	67,000	47.1	463	90	202,000	142.0	1390
32	72,000	50.6	494	91	204,000	143.4	1405
33	74,000	52.0	510	94	210,000	148.4	1452
35	78,500	55.5	541	95	213,000	149.7	1467
36	81,000	57.0	556	97	217,000	152.6	1498
39	87,500	61.8	602	100	224,000	157.5	1544
40	90,000	63.3	618	104	233,000	163.8	1606
42	94,000	66.0	649	105	235,000	165.4	1622
45	101,000	71.0	695	107	240,000	168.5	1653
46	103,000	72.5	710	110	246,500	173.2	1699
49	110,333	77.3	757	113	253,000	178.0	1745
50	112,000	78.75	772	115	257,600	181.1	1776
52	116,500	82.0	803	117	262,000	184.3	1807
55	123,000	86.5	849	120	269,000	189.0	1853
58	130,000	91.4	896	123	275,500	194.0	1900
60	134,500	94.5	927	125	280,000	197.0	1931
62	139,000	97.7	957.5	126	282,500	198.0	1946
65	146,000	102.6	1004	130	291,000	205.0	2000
68	153,000	107.5	1050	133	298,000	209.0	2054
70	157,000	110.4	1081	135	302,400	213.0	2085
71	159,000	111.8	1097	136	304,500	214.0	2101
75	168,000	118.0	1158	140	313,600	221.0	2162
78	175,000	123.0	1205				

\*A Guide Only

## METRIC TO GAUGE

Gauge Number	9	10	12	14	16	18	20	22	24	26	28
Birmingham Gauge (mm)	3.50	3.00	2.50	2.00	1.60	1.20	1.00	0.80	0.60	0.50	0.40
Galv. Sheet Gauge (B.M.T.)	3.45	2.95	2.45	1.95	1.55	1.15	0.95	0.75	0.55	0.45	0.35

\*Note: Mild Steel only

# Conversion Tables

## APPROX. EQUIVALENT HARDNESS NUMBERS AND TENSILE STRENGTH FOR BRINELL HARDNESS FOR STEEL\*

Brinell Hardness No. 10mm ball 3000kg Load	Diamond Pyramid Hardness No.	B-Scale 100kg Load 1/16" dia. Ball	Rockwell Hardness No. C-Scale 150kg Load Braze Penetrator	Tensile Strength in MPa	Brinell Hardness No. 10mm ball 3000kg Load	Diamond Pyramid Hardness No.	B-Scale 100kg Load 1/16" dia. Ball	Rockwell Hardness No. C-Scale 150kg Load Braze Penetrator	Tensile Strength in MPa
-	940	-	68.0	-	255	269	(102.0)	25.4	849
-	840	-	65.3	-	248	261	(101.0)	24.2	826
-	780	-	63.3	-	241	253	100.0	22.8	803
682	737	-	61.7	-	235	247	99.0	21.7	783
653	697	-	60.0	-	229	241	98.2	20.5	764
627	667	-	58.7	2392	223	234	97.3	(18.8)	742
601	640	-	57.3	2261	217	228	96.4	(17.5)	722
578	615	-	56.0	2158	212	222	95.5	(16.0)	706
555	591	-	54.7	2058	207	218	94.6	(15.2)	691
534	569	-	53.5	1962	201	212	93.8	(13.8)	672
514	547	-	52.1	1893	197	207	92.9	(12.7)	658
495	528	-	51.0	1817	192	202	91.8	(11.5)	642
477	508	-	49.6	1738	187	196	90.7	(10.0)	625
461	491	-	48.5	1665	183	192	90.0	(9.0)	612
444	472	-	47.1	1586	179	188	89.0	(8.0)	599
429	455	-	45.7	1513	174	182	87.8	(6.4)	583
415	440	-	44.5	1461	170	178	86.8	(5.4)	570
401	424	-	43.1	1391	167	175	86.0	(4.4)	560
388	410	-	41.8	1330	163	171	85.0	(3.3)	546
375	396	-	40.4	1271	159	167	83.8	(2.1)	535
363	383	-	39.1	1220	156	163	82.9	(0.9)	526
352	372	(110.0)	37.9	1175	152	159	81.7	-	514
341	360	(109.0)	36.6	1133	149	156	80.8	-	504
331	349	(108.5)	35.5	1097	146	153	79.8	-	495
321	339	(108.0)	34.3	1062	143	150	78.7	-	485
311	328	(107.5)	33.1	1029	140	146	77.6	-	475
302	319	(107.0)	32.1	1001	137	143	76.4	-	464
293	309	(106.0)	30.9	975	134	140	75.2	-	455
285	301	(105.5)	29.9	949	131	137	74.0	-	446
277	292	(104.5)	28.8	923	128	134	72.7	-	437
269	284	(104.0)	27.6	896	126	132	72.0	-	431
262	276	(103.0)	26.6	873					

\*A Guide Only

# Special Steels



## SPECIAL PURPOSE STEELS

Easysteel stocks a wide range of specialist products to ensure we can offer the most comprehensive range to all users.

### Stocks include:

Bright Mild Steel  
Medium Tensile  
Hollow Bar  
Hydraulic Cylinder Tube  
Tool Steels

Free Cutting  
High Tensile  
Hard Chrome Bar  
Case Hardening  
Cast Iron

This list is only an indication of the stock available. The broad range and depth of products we are committed to stocking requires a separate catalogue for this product group.

The **SPECIAL STEEL BOOK** is available from your local Easysteel sales centre.

### Cut to length service

For all special steels, we offer a comprehensive cutting service. Easysteel has the ability to quickly and accurately cut your specific requirements within close limits of tolerance.

### Indent service

Easysteel also offers an indent service on all special purpose steels from a global network of traders, merchants and mills, depending on your delivery requirements.



# Appendix

## APPENDIX

### CONVERSION FACTORS

To calculate the weight of steel bars:

ROUND - dia. mm<sup>2</sup> x 0.006165 = Weight in kilograms per metre

ROUND - dia. mm<sup>2</sup> x 0.004143 = Weight in lbs per foot

HEXAGON - Size mm<sup>2</sup> x 0.006798 = Weight in kilograms per metre

HEXAGON - Size mm<sup>2</sup> x 0.00457 = Weight in lbs per foot

SQUARE - Size mm<sup>2</sup> x 0.00785 = Weight in kilograms per metre

SQUARE - Size mm<sup>2</sup> x 0.00527 = Weight in lbs per foot

FLAT - Width in mm x Thickness in mm x 0.00785 = Weight in kilograms per metre

FLAT - Width in mm x Thickness in mm x 0.00527 = Weight in lbs. per foot

TOOL STEEL - Width in mm x Thickness in mm x 0.00785 = Weight in kilograms per metre

TOOLING PLATE (Aluminium) - Width in mm x Thickness in mm x 0.0027 = Weight in kilograms per metre

### General:

lbs. per foot x 1.4880 = kilograms per metre

kilograms per metre x 0.6720 = lbs. per foot

Feet x 0.3048 = metres

Metres x 3.2809 = feet

U.K. tons per sq. inch (tons f/in.<sup>2</sup>) x 15.4443 = Mega Pascals (MPa)

Mega Pascals (MPa) x 0.064749 = u.k. tons f per square inch

Newton per sq. millimeter (N/mm<sup>2</sup>) x 0.064749 = U.K. tons f per square inch.

Mega Pascals (MPa) x 145.0377 = pounds per square inch (psi)

# Services



## INDENTS

### Indent Sourcing

For products and quantities outside our stocking policy, Easysteel has many years of experience in sourcing a comprehensive range of steel and related products for our customers. The resulting well established channels, relationships with suppliers, and collective purchasing leverage means Easysteel is well positioned to cater for your indent requirements.

Further, our ability to co-ordinate indent orders in a centralised operation ensures excellent service at all times.

*Please contact your local Easysteel Sales Centre with your enquiry.*

# Notes

[illegible]

## **NORTH ISLAND**

### **WHANGAREI**

33 Rewa Rewa Road,  
Whangarei 0110  
Ph: 09 470 2510  
Fax: 09 438 4589

### **AUCKLAND**

575 Great South Road,  
Penrose, Auckland 1642  
Ph: 09 525 9400  
Fax: 09 525 9401

308 Neilson Street,  
Onehunga, Auckland 1061

### **HAMILTON**

31 Gallagher Drive,  
Melville, Hamilton 3206  
Ph: 07 846 2700  
Fax: 07 846 2708

### **TAURANGA**

99 Aviation Avenue,  
Mt Maunganui  
Tauranga 3116  
Ph: 07 572 9700  
Fax: 07 572 9707

### **ROTORUA**

95 – 97 Tallyho Street,  
Mangakakahi,  
Rotorua 5013  
Ph: 07 348 3039  
Fax: 07 347 7353

### **NEW PLYMOUTH**

50 Corbett Road,  
Bell Block,  
New Plymouth 4312  
Ph: 06 755 9039  
Fax: 06 755 2099

### **HAWKES BAY**

1100 Omahu Road,  
Tyford, Hastings 4175  
Ph: 06 873 9036  
Fax: 06 879 6880

### **PALMERSTON NORTH**

120 Kaimanawa Street,  
Kelvin Grove,  
Palmerston North 4414  
Ph: 06 354 2622  
Fax: 06 354 2623

### **WELLINGTON**

110 Hutt Park Road,  
Gracefield, Lower Hutt,  
Wellington 5010  
Ph: 04 570 8472  
Fax: 04 570 8473

## **SOUTH ISLAND**

### **NELSON**

40 Beach Road,  
Richmond, Nelson 7020  
Ph: 03 543 8215  
Fax: 0800 432 793

### **DUNEDIN**

14 Neville Street,  
Dunedin 9012  
Ph: 0800 327 978  
Fax: 0800 432 793

### **CHRISTCHURCH**

5 Brydone Road  
Hornby South, Christchurch 8042  
Ph: 03 348 8479  
Fax: 03 343 0320

### **INVERCARGILL**

54F Tweed Street,  
Invercargill 9810  
Ph: 03 211 0696  
Fax: 03 218 2318

**easysteel.co.nz**

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