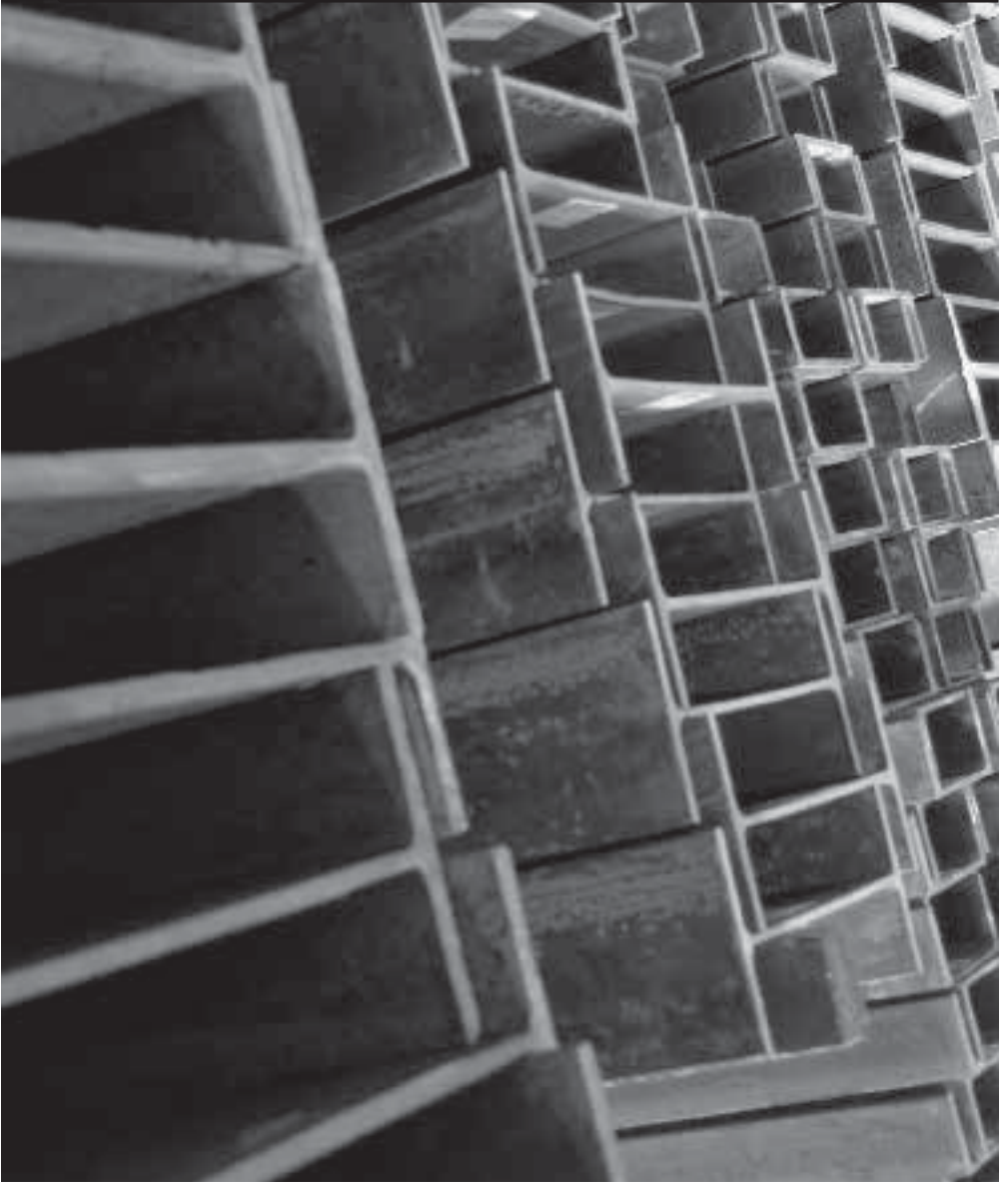


# Structural Sections



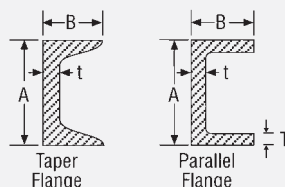
# Structural Sections



## Mild Steel Channels

**Product Shortname:** CH

**Specifications:** AS 3679-300  
AS 3679-350 (on indent only)  
BS4360-43A



### Size Designation:

Mass per Metre = area of section x 0.00785 = kg/m  
Metres per Tonne =  $\frac{1000}{\text{kg/m}}$  = metres

### Size Range Available:

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 stock lengths available are 6, 9, 12, 15 metres.

Mild Steel Channels are available on an ex-stock and indent basis. Not all sizes available exstock in all lengths.

### 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

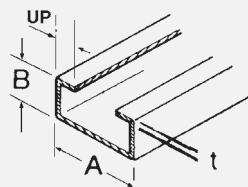
**Product Shortname:** CRCH

**Specifications:**

Manufactured from steel to AS 1594-HA250

**Size Designation:**

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

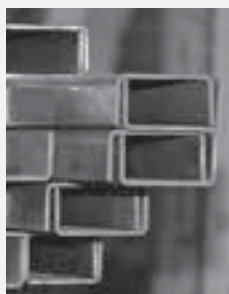


**Size Range Available:**

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

Sizes outside this range can be obtained.

Larger sizes are available in purlins.



## Cold Formed Channel-Plain

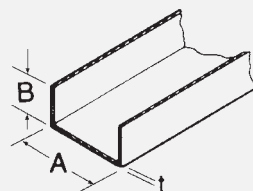
**Product Shortname:** CRCH

**Specifications:**

Manufactured from steel to AS 1594-HA250

**Size Designation:**

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



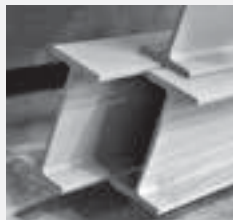
**Size Range Available:**

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

Sizes outside this range can be obtained.

Larger sizes are available in purlins.

# Structural Sections

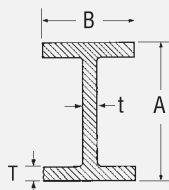


## Universal Beams

**Product Shortname:** UB

**Specifications:** AS3679-300  
AS3679-350 (on indent only)

**Size Designation:** Depth of Section 'A' (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)
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

Stock lengths vary according to the size of the beam. Length range is 6, 9, 12, 15, 18 metres. Other lengths available on indent. Other sizes of sections are also available on an indent basis. For more detailed information and additional properties, please contact Easysteel.

# Structural Sections



## Universal Columns

**Product Shortname:** UC

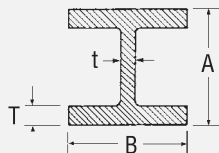
**Specifications:**

AS3679-300

AS3679-350 (on 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

Stock lengths vary according to the size of the column. Length range is 6, 9, 12, 15, 18 metre.

Other lengths available on indent. Other sizes of sections are also available on an indent basis. For more detailed information and additional properties, please contact Easysteel.



## Welding Beams/Columns

**Tapered and Parallel Flange available**

**Specifications:**

NZS 3404:2009

**Size Range Available:**

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

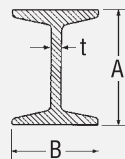


## Rolled Steel Joists

**Product Shortname:** RSJ

**Specifications:** AS3679-300

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



**Size Range Available:**

Size	Mass /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



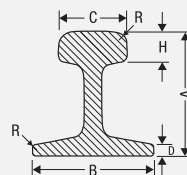
## Plain Carbon Rail

**Product Shortname:** RAIL

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

**Size Range:** Available on indent.

**Common Sizes Available\*:**



Kg/m							
10	15	22	30	41	50	53	60

\*Sizes outside this range can be obtained.



## H Bearing Piles & Large Structural Sections

**Product Shortname:** UC / UB

**Specification:** ASTM A36  
AS3679-300  
BS 4360 43A/50B  
EN10025 S355JR

**Size Range:**  
Available on indent.

