



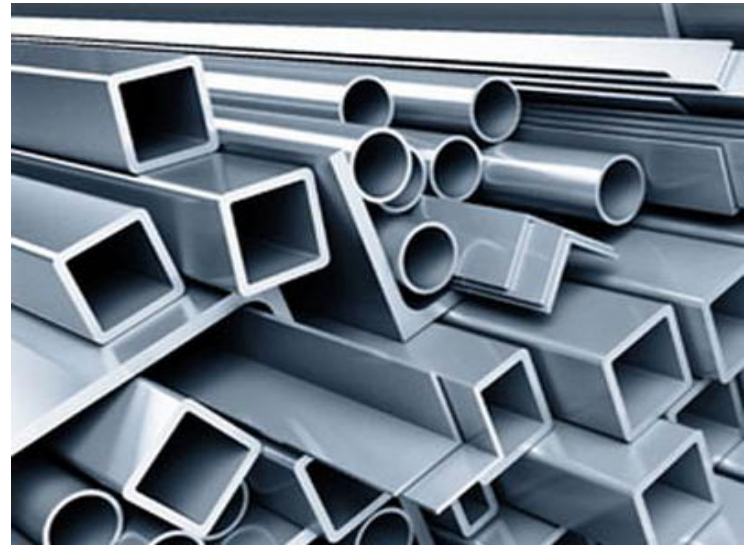
شركة آل حسين القابضة شركة رائدة في مجال الحديد الصناعي وكل ما له علاقة بالحديد مثل: الفولاذ والألمنيوم والتحاس منذ العام 1986م ذي المنشأ والمواصفات المختلفة (أوروبي، أمريكي وياباني).

وحيث نحرص باستمرار على تنوع مصادرتنا للإستيراد نقوم بالإستيراد من شرق وغرب أوروبا والبرازيل وجنوب أفريقيا ومصادر أخرى.

ومن خلال واقع خبرتنا الغنية والتراكمية في هذا المجال والتي تمتد لأكثر من 21 عاما فقد استطعنا تحديد احتياجات أسواقنا المحلية وذلك من حيث الأصناف والمقاسات والمواصفات المطلوبة.

ونحن كذلك قد استطعنا يقينا معرفة أن الحديد هو أحد أهم العناصر المسيطرة والداخلية في التنمية الصناعية والخدمية في جميع البلدان وأيضا هو أحد أهم المواد الخام التي تحتاج إليها الصناعات الأساسية سواء تجميع أو مصانع وهذا يعني بأنه حلقة الوصل الأهم في التنمية الإقتصادية ولهذا السبب فنحن نحرص وبشكل صارم عند قيامنا بإستيراد الحديد على أن يكون مطابقا للمواصفات القياسية العالمية.

وتفتخر شركتنا بأنها تساهم في إنعاش الإقتصاد الوطني وذلك من خلال مساهمتها في إنشاء مصانع عملاقة تعود على الإقتصاد الوطني والبلد بمردود إيجابي كشركة المعادن ومصنع هوسكو.



المنتجات

HR Steel Grating :

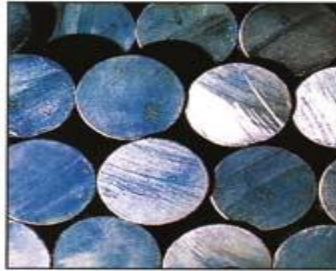


Dia : 5mm to 200mm

Length : 6m.

Specification : JIS SS 400.

Cold Shafting Bars :



Dia : 5mm to 200mm

Length : 6m.

Specification : JIS SS 400.

Square Bars:



Size : 10 x 10mm to 100 x 100mm.

Length : 6m.

Specification : ASTM A 36

Aluminium Plain Sheets :

Thickness : 0.50mm to 30mm
Width : Different Widths from 1m to 1.5m.
Length : Different Lengths from 1m to 6m

Quality : AA 1050 H14



Aluminium Checkered Sheets :

Thickness : 2mm to 6mm
Width : From 1m to 4 ft.
Length : Different Lengths from 1m to 6m

Quality : AA 3105 F.



Aluminium Coil :

Thickness : 0.50mm to 1.5mm
Width : Different Widths from 1m to 1.5m

Quality : AA 3105 H14



Brass Sheets :

Thickness : 0.5mm to 10mm
Width : 1m
Length : 2m

Quality : Brass CuZn37 CW508L



Stainless Steel Sheets :

Thickness : 0.40mm to 40mm
Width : Different Widths from 1m to 2m
Length : Different Lengths from 1m to 6m

Quality : AISI 430
 : AISI 304 - 304 L
 : AISI 316 - 316 L

Finish : BA - 2B - No. 1 - No. 5 - No. 8



Stainless Steel Equal Angle Bars :

Size : 25 x 25mm to 100 x 100mm
Thickness : Different Thickness
Length : 6m

Quality : AISI 304



Stainless Steel Round Bars :

Dia : 4mm to 120mm
Length : 6m

Quality : AISI 304 - 316



Stainless Steel Flat Bars :

Size : Different Sizes
Thickness : Different Thickness
Length : 6m

Quality : AISI 304



Galvanized Sheet :

Thickness : 0.35mm x 5mm
Width : Different Widths from 1m to 4 ft.
Length : Different Lengths.



Specification : JIS G 3302; ASTM A 526, A 527
G 60 & G 90

Galvanized Coil :



Thickness : 0.35mm x 5mm
Width : Different Widths from 1m to 4 ft.

Specification : JIS G 3302; ASTM A526, A 527
G 60 & G 90.

Checkered Sheets :

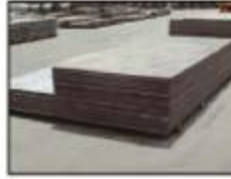
Thickness : 1.8mm x 12mm
Width : Different Widths from 1m to 2m
Specification : ASTM A36
275 JR



Cold Rolled Sheets :

Thickness : 0.40mm - 2mm
Width : 1m to 4 ft.
Length : Different Lengths

Specification : ST 12 - 03



Cold Rolled Coil :

Thickness : 0.40mm - 2mm
Width : 1m to 5ft.

Specification : ST 12 - 03, ST 13.03



Hot Rolled Sheets :

Thickness : 1.20mm - 200mm
Width : Different Widths from 1m to 3m.
Length : Different Lengths

Specification : ASTM A36; S 275 JR; S 355 JR;
ASTM A283 Gr.C; ASTM A 285 Gr.C;
ASME SA & ASTM SA 516 Gr.70 & 60
ASTM 572 Gr. 50



Hot Rolled Coil :

Thickness : 1.20mm - 14mm
Width : Different Widths from 1m to 2m

Specification : ASTM A36; S 275 JR; S 355 JR;
ASTM A283 Gr.C; JIS G 3131



Nominal Size	Outside Diameter		Wall Thickness		Sch. No. & Weight Class	Nominal Weight		Nominal Weight			
								Grade A		Grade B	
	inch	mm	inch	mm		kg/m	kg.ft	psi	ksi x100	psi	ksi x100
14	14.000	355.6	0.562	14.27	60	108.92	33.20	1590	72	1050	130
			0.210	5.33	-	46.04	14.03	540	38	630	44
			0.219	5.56	-	47.99	14.63	560	39	660	46
			0.250	6.35	10	54.69	16.67	640	45	750	53
			0.281	7.14	-	61.35	18.70	720	51	840	59
			0.312	7.92	20	67.90	20.70	800	56	940	66
			0.344	8.74	-	74.76	22.79	880	62	1030	73
			0.375	9.52	30(STD)	81.25	27.77	960	68	1120	79
			0.438	11.13	40	94.55	28.82	1130	85	1310	92
			0.469	11.91	-	100.94	30.77	1210	85	1410	99
			0.500	12.70	(XS)	107.39	32.73	1290	91	1500	106
			0.594	15.09	60	126.71	38.62	1530	108	1790	126
16	16.000	406.4	0.219	5.56	1	54.96	16.75	490	34	570	40
			0.250	6.35	10	62.64	19.09	560	39	660	46
			0.281	7.14	-	70.30	21.43	630	44	740	52
			0.312	7.92	20	77.83	23.72	700	49	820	58
			0.344	8.74	-	85.71	26.12	770	54	900	63
			0.375	9.52	30(STD)	93.17	28.40	840	59	980	69
			0.438	11.13	-	108.49	33.07	990	70	1150	81
			0.469	11.91	-	115.86	35.31	1060	75	1230	87
			0.500	12.70	40(XS)	123.30	37.58	1120	79	1310	92
			18	18.000	457.2	0.250	6.35	10	70.60	21.52	500
0.281	7.14	-				79.24	24.15	560	39	660	46
0.312	7.92	20				87.75	26.75	620	44	730	51
0.344	8.74	-				96.66	29.46	690	49	800	56
0.375	9.52	(STD)				105.10	32.03	750	53	880	62
0.406	10.31	-				113.62	34.63	810	57	950	67
0.438	11.13	30				122.43	37.32	880	62	1020	72
0.469	11.91	-				130.78	39.86	940	66	1090	77
0.500	12.70	(XS)				139.20	42.43	1000	70	1170	82
0.562	14.27	40				155.87	47.51	1120	79	1310	92
20	20.000	508.0	0.250	6.35	10	78.55	23.94	450	32	520	37
			0.281	7.14	-	88.19	26.88	510	36	590	42
			0.312	7.92	-	97.67	29.77	560	39	660	46
			0.344	8.74	-	107.60	32.80	620	44	720	51
			0.375	9.52	20(STD)	117.02	35.67	680	48	790	56
			0.406	10.31	-	126.53	38.57	730	51	850	60
			0.438	11.13	-	136.37	41.57	790	56	920	65
			0.469	11.91	-	145.70	44.41	850	60	950	67
			0.500	12.70	30(XS)	155.12	47.28	900	63	1050	74
			0.594	15.09	40	183.42	55.91	1170	82	1250	88

Nominal Size	Outside Diameter		Wall Thickness		Sch. No. & Weight Class	Nominal Weight		Nominal Weight			
								Grade A		Grade B	
								psi	ksi x100	psi	ksi x100
6	6.625	168.3	0.188	4.78	-	19.27	5.87	1020	72	1190	84
			0.219	5.56	-	22.31	6.80	1190	84	1390	98
			0.250	6.35	-	25.36	7.73	1360	96	1580	111
			0.280	7.11	40(STD)	28.26	8.61	1520	107	1780	125
			0.312	7.92	-	31.32	9.55	1700	120	1980	139
			0.344	8.74	-	34.39	10.48	1870	132	2180	153
			0.375	9.52	-	37.28	11.36	2040	144	2380	168
			0.432	10.97	80(XS)	42.56	12.97	2350	165	2740	193
8	8.625	219.1	0.188	4.78	-	25.26	7.70	780	55	920	65
			0.203	5.16	-	27.22	8.30	850	60	1000	70
			0.219	5.56	-	29.28	8.92	910	64	1070	75
			0.250	6.35	20	33.31	10.15	1040	73	1220	86
			0.277	7.04	30	36.31	11.07	1160	82	1350	95
			0.312	7.92	-	41.24	12.57	1300	92	1520	107
			0.322	8.18	40(STD)	42.95	12.97	1340	94	1570	111
			0.344	8.74	-	45.34	13.82	1440	101	1680	118
			0.375	9.52	-	49.20	15.00	1570	111	1830	129
			0.406	10.31	60	53.08	16.18	1700	120	2000	141
			0.438	11.13	-	57.00	17.40	1830	129	2130	150
			0.500	12.70	80(XS)	64.64	19.70	2090	147	2430	171
10	10.750	273.1	0.188	7.78	-	31.62	9.64	630	44	730	51
			0.203	5.16	-	34.08	10.39	680	48	800	56
			0.219	5.60	-	36.67	11.18	730	51	960	61
			0.250	6.35	20	41.75	12.73	840	59	980	69
			0.279	7.09	-	46.49	14.17	930	65	1090	77
			0.307	7.80	30	51.01	15.55	1030	73	1200	84
			0.344	8.74	-	59.96	17.36	1150	81	1340	94
			0.365	9.27	40(STD)	60.29	18.38	1220	86	430	101
			0.438	11.13	-	71.87	21.91	1470	103	1710	120
			0.500	12.70	60(XS)	81.52	24.85	1670	118	1950	137
12	12.750	323.8	0.203	5.16	-	40.55	12.36	570	40	670	47
			0.219	5.56	-	43.63	13.30	620	44	720	51
			0.250	6.35	20	49.71	15.15	710	50	820	58
			0.281	7.14	-	55.75	16.99	790	56	930	65
			0.312	7.92	-	61.69	18.80	880	62	1030	73
			0.330	8.38	30	65.18	19.87	930	65	1090	77
			0.344	8.74	-	67.90	20.70	970	68	1130	88
			0.375	9.52	(STD)	73.78	22.49	1060	75	1240	87
			0.406	10.31	40	79.70	24.29	1150	81	1340	94
			0.438	11.31	-	85.82	26.16	1240	87	1440	101
			0.500	12.70	(XS)	97.43	29.70	1410	99	1650	116

Uses of ASTM:

- Chilled Water System
- Water lines
- Pedestrian Bridges
- Water Wells and Water Pumps
- Advertising Boards
- Guardrail
- Fire Fighting and Fire Protection System
- Space Frame Structure
- Oil, Gas, & Steam Lines
- Fence
- Protective Barriers
- Boundaries

**Carbon Steel Pipes for Ordinary Piping Conforming to SASO Standard
SSA 1011 - Heavy Equivalent to ASTM A53 G-A SCH 40 E.R.W. Steel
Pipes, black & Hot Dipped Zinc Coated.**

Nominal Size		Outside Diameter		Wall Thickness		Nominal Weight				Test Pressure		Pieces per Bundle
						Plain End		Thread & Coupling		Plain Ends		
A	B	mm	in	mm	in	kg/m	kg/ft	kg/m	kg/ft	psi	kg/cm	
15	1/2	21.3	0.840	2.77	0.109	1.27	0.39	1.27	0.39	700	50	120
20	3/4	26.7	1.050	2.87	0.113	1.69	0.51	1.69	0.51	700	50	84
25	1	33.4	1.315	3.38	0.133	2.50	0.76	2.50	0.76	700	50	60
32	1 1/4	42.2	1.660	3.56	0.140	3.39	1.03	3.40	1.03	1,200	8	42
40	1 1/2	48.3	1.900	3.65	0.145	4.05	1.23	4.04	1.24	1,200	85	36
50	2	60.3	2.375	3.91	0.154	5.44	1.66	5.46	1.67	2,300	160	26
65	2 1/2	73.0	2.875	5.16	0.203	8.63	2.63	8.67	2.64	2,500	175	18
80	3	88.9	3.500	5.49	0.216	11.29	3.44	11.35	3.45	2,220	155	14
90	3 1/2	101.6	4.000	5.74	0.266	13.57	4.13	13.71	4.17	2,030	142	12
100	4	114.3	4.500	6.02	0.237	16.07	4.89	16.23	4.94	1,900	133	10
125	5	141.3	5.563	6.55	0.258	21.77	6.63	22.07	6.72	1,670	117	8
150	6	168.3	6.625	7.11	0.280	28.26	8.60	28.58	8.70	1,520	106	7
200	8	219.1	8.625	8.18	0.322	42.55	12.95	43.73	13.33	1,340	94	5
250	10	273.0	10.750	9.29	0.365	60.29	18.36	63.36	19.32	1,220	85	3
300	12	323.8	12.750	10.31	0.406	79.70	24.28	79.70	24.30	1,150	80	1
350	14	355.6	14.000	11.13	0.438	94.55	63.44	-	-	1,130	79	1
400	16	406.4	16.000	12.70	0.500	123.30	82.77	-	-	1,120	79	1

NOTES: Permissible Variations in Weight & Dimensions

1. Outside Diameter:
1-1/2 inches & smaller: ± 0.4 mm
2 inches and larger: ± 1%
2. Thickness:
Wall Thickness: -12.5%
3. Weight:
± 10%

Class	Nominal Bore		Outside Diameter				Wall Thickness		Weight of Black Tube						Pieces Per Noodle
			Max.		Min.				Plain End			Screwed and Socketed			
	mm	in.	in.	mm	in.	mm	in.	mm	lb/ft	kg/ft	kg/m	lb/ft	kg/ft	kg/m	
BSL Light	15	1/2	0.841	21.4	0.825	21.0	0.080	2.0	0.640	0.290	0.947	0.646	0.293	0.956	150
	20	3/4	1.059	26.9	1.041	26.4	0.092	2.3	0.944	0.428	1.38	0.954	0.433	1.39	105
	25	1	1.328	33.8	1.309	33.2	0.104	2.6	1.35	0.612	1.98	1.36	0.617	2.00	70
	32	1-1/4	1.670	42.5	1.650	41.9	0.104	2.6	1.73	0.785	2.54	1.75	0.794	2.57	48
	40	1-1/2	1.903	48.4	1.882	47.8	0.116	2.9	2.19	0.993	3.23	2.22	1.01	3.27	42
	50	2	2.370	60.2	2.347	59.6	0.116	2.9	2.76	1.25	4.08	2.81	1.27	4.15	30
	65	2-1/2	2.991	76.0	2.960	75.2	0.128	3.2	3.90	1.77	5.71	3.98	1.81	5.83	25
	80	3	3.491	88.7	3.460	87.9	0.128	3.2	4.58	2.08	6.72	4.69	2.13	6.89	20
100	4	4.481	113.9	4.450	113.0	0.144	3.6	6.64	3.01	9.75	6.84	0.310	10.00	10	
BSL Medium	15	1/2	0.856	21.7	0.831	21.1	0.104	2.6	0.822	0.373	1.21	0.828	0.376	1.22	120
	20	3/4	1.072	27.2	1.047	26.6	0.104	2.6	1.06	0.481	1.56	1.07	0.485	1.57	84
	25	1	1.346	34.2	1.316	33.4	0.128	3.2	1.64	0.744	2.41	1.65	0.748	2.43	60
	32	1-1/4	1.687	42.9	1.657	42.1	0.128	3.2	2.11	0.957	3.10	2.13	0.966	3.13	42
	40	1-1/2	1.919	48.8	1.889	48.0	0.128	3.2	2.43	1.10	3.57	2.46	1.12	3.61	36
	50	2	2.394	60.8	2.354	59.8	0.144	3.6	3.42	1.55	5.03	3.47	1.57	5.10	26
	65	2-1/2	3.014	76.6	2.969	75.4	0.144	3.6	4.38	1.99	6.43	4.46	2.02	6.55	18
	80	3	3.524	89.5	3.469	88.1	0.160	4.0	5.69	2.58	8.37	5.80	2.63	8.54	14
	100	4	4.524	114.9	4.459	113.3	0.176	4.5	8.14	3.69	12.20	8.34	3.78	12.50	10
	150	6	6.534	166.1	6.459	164.1	0.192	5.0	12.9	5.85	19.90	13.3	6.03	20.30	7

Size	Thickness	Mass per unit length	Size	Thickness	Mass per unit length	Size	Thickness	Mass per unit length		
H x B mm	T mm	M kg/m	H x B mm	T mm	M kg/m	H x B mm	T mm	M kg/m		
100 x 50	10.0	19.6	110 x 60	12.5	27.1	140 x 70	11.0	31.4		
	11.0	21.1						12.5	35.0	
	12.5	23.2	120 x 60	3.6	9.66			14.2	38.8	
100 x 60	3.6	8.53			4.0	10.7	140 x 80	4.0	13.2	
	4.0	9.41		4.5	11.9			4.5	14.7	
	4.5	10.5		5.0	13.1			5.0	16.3	
	5.0	11.6		5.6	14.6			5.6	18.1	
	5.6	12.8		6.3	16.2			6.3	20.2	
	6.3	14.2		7.1	18.1			7.1	22.5	
	7.1	15.8		8.0	20.1			8.0	25.1	
	8.0	17.5		8.8	21.8			8.8	27.3	
	8.8	19.0		10.0	24.3			10.0	30.6	
	10.0	21.1		11.0	26.3			11.0	33.2	
	11.0	22.8		12.5	29.1			12.5	37.0	
	100 X 80	12.5	25.2	120 x 80	3.6	10.8			14.2	41.0
4.0		10.7			4.0	11.9	150 x 50	4.0	11.9	
4.5		11.9		4.5	13.3			4.5	13.3	
5.0		13.1		5.0	14.7			5.0	14.7	
5.6		14.6		5.6	16.3			5.6	16.3	
6.3		16.2		6.3	18.2			6.3	18.2	
7.1		18.1		7.1	20.3			7.1	20.3	
8.0		20.1		8.0	22.6			8.0	22.6	
8.8		21.8		8.8	24.5	150 x 100		4.0	15.1	
10.0		24.3		10.0	27.4				4.5	16.9
11.0		26.3	120 x 80	11.0	29.7				5.0	18.6
12.5		29.1			12.5			33.0		5.6
110 x 60	3.6	9.09		14.2	36.6				6.3	23.1
	4.0	10.0	140 x 70	3.6	11.4			7.1	25.9	
	4.5	11.2			4.0	12.6		8.0	28.9	
	5.0	12.3			4.5	14.0		8.8	31.5	
	5.6	13.7			5.0	15.5		10.0	35.3	
	6.3	15.2			5.6	17.2	150 x 100	11.0	38.4	
	7.1	16.9			6.3	19.2			12.5	42.8
	8.0	18.8			7.1	21.4			14.2	47.7
	8.8	20.4			8.0	23.8			16.0	52.6
	10.0	22.7			8.8	25.9				
	11.0	24.5			10.0	29.0				

Size	Thickness	Mass per unit length	Size	Thickness	Mass per unit length	Size	Thickness	Mass per unit length
B x B mm	T mm	M kg/m	B x B mm	T mm	M kg/m	B x B mm	T mm	M kg/m
20x20	2.0	1.05	70 x 70	4.0	8.15	100 x 100	12.5	33.0
	2.5	1.25		4.5	9.08		14.2	36.6
				5.0	9.99			
25x25	2.0	1.36		5.6	11.1	110 x 110	4.0	13.2
	2.5	1.64		6.3	12.3		4.5	14.7
	3.0	1.89		7.1	13.6		5.0	16.3
30x30				8.0	15.0		5.6	18.1
	2.0	1.68		8.8	16.3		6.3	20.2
	2.5	2.03		10.0	18.0		7.1	22.5
40 x 40	3.0	2.36		11.0	19.4		8.0	25.1
				12.5	21.3		8.8	27.3
	2.9	3.31					10.0	30.6
50 x 50	3.2	3.61	80 x 80	3.6	8.53	120 x 120	11.0	33.2
	3.6	4.01		4.0	9.41		12.5	37.0
	4.0	4.39		4.5	10.5		14.2	41.0
	4.5	4.85		5.0	11.6			
	5.0	5.28		5.6	12.8		4.0	14.4
	5.6	5.78		6.3	14.2		4.5	16.1
	6.3	6.33		7.1	15.8		5.0	17.8
	7.1	6.91		8.0	17.5		5.6	19.9
60 x 60				8.8	19.0		6.3	22.2
	2.9	4.22		10.0	21.1		7.1	24.7
	3.2	4.62		11.0	22.8		8.0	27.6
	3.6	5.14		12.5	25.2		8.8	30.1
	4.0	5.64					10.0	33.7
	4.5	6.26		3.6	9.66		11.0	36.6
	5.0	6.85		4.0	10.7		12.5	40.9
	5.6	7.54	90 x 90	4.5	11.9		14.2	45.5
6.3	8.31	5.0		13.1		16.0	50.1	
7.1	9.14	5.6		14.6				
8.0	10.0	6.3		16.2	130 x 130	5.0	19.4	
		7.1		18.1		5.6	21.6	
2.9	5.13	8.0		20.1		6.3	24.1	
3.2	5.62	8.8		21.8		7.1	27.0	
3.6	6.27	10.0		24.3		8.0	30.1	
4.0	6.90	11.0	26.3	8.8		32.8		
4.5	7.67	12.5	29.1	10.0		36.8		
5.0	8.42			11.0		40.1		
70 x 70	5.6	9.30		3.6	10.8	12.5	44.8	
	6.3	10.3		4.0	11.9	14.2	49.9	
	7.1	11.4	100 x 100	4.5	13.3	16.0	55.1	
	8.0	12.5		5.0	14.7			
	8.8	13.5		5.6	16.3			
	10.0	14.9		6.1	18.2			
	11.0	15.9		7.1	20.3			
	12.5	17.3		8.0	22.6			
				8.8	24.5			
	3.2	6.63		10.0	27.4			
	3.6	7.40		11.0	29.7			

METRIC SERIES

Size (t X B)	Thickness (t) mm	Width (B) mm	Sectional Area cm ²	Unit Weight		
				kg / m	kg / ft	lb / ft
5 X 25	5	25	1.25	0.981	0.299	0.659
	5	30	1.50	1.18	0.360	0.793
	5	40	2.00	1.57	0.479	1.06
	5	50	2.50	1.96	0.597	1.32
6 X 25	6	25	1.50	1.18	0.360	0.793
	6	30	1.80	1.41	0.430	0.948
	6	38	2.28	1.79	0.546	1.20
	6	40	2.40	1.88	0.573	1.26
	6	45	2.70	2.12	0.646	1.42
	6	50	3.00	2.36	0.719	1.59
	6	65	3.90	3.06	0.933	2.06
	6	75	4.50	3.53	1.08	2.37
	6	100	6.00	4.71	1.44	3.17
	6	125	7.50	5.89	1.80	3.96
8 X 25	8	25	2.00	1.57	0.479	1.06
	8	30	2.40	1.88	0.573	1.26
	8	38	3.04	2.39	0.728	1.61
	8	40	3.20	2.51	0.765	1.69
	8	50	4.00	3.14	0.957	2.11
	8	65	5.20	4.08	1.25	2.74
	8	75	6.00	4.71	1.44	3.17
	8	100	8.00	6.28	1.91	4.22
	8	125	10.00	7.85	2.39	5.28
	9 X 25	9	25	2.25	1.77	0.539
9		32	2.88	2.26	0.689	1.52
9		38	3.42	2.68	0.817	1.80
9		44	3.96	3.11	0.948	2.09

Designation	Mass per unit length M kg/m	Designation	Mass per unit length M kg/m
L 20 x 20 x 2.3mm	0.74	L 65 x 65 x 5mm	4.47
L 20 x 20 x 3mm	0.88	L 65 x 65 x 6mm	5.91
		L 65 x 65 x 8mm	7.66
L 25 x 25 x 2.5mm	0.94	L 65 x 65 x 9mm	8.62
L 25 x 25 x 3mm	1.12		
L 25 x 25 x 4mm	1.45	L 70 x 70 x 5mm	5.37
L 25 x 25 x 5mm	1.76	L 70 x 70 x 6mm	6.38
		L 70 x 70 x 7mm	7.38
L 30 x 30 x 2.5mm	1.13	L 70 x 70 x 8mm	8.36
L 30 x 30 x 3mm	1.36	L x 70 x 70 x 9mm	9.32
L 30 x 30 x 4mm	1.78	L x 70 x 70 x 10mm	10.26
L 30 x 30 x 5mm	2.18		
		L 75 x 75 x 5mm	5.76
L 38 x 38 x 2.5mm	1.44	L 75 x 75 x 6mm	6.85
		L 75 x 75 x 7mm	8.065
L 40 x 40 x 3mm	1.84	L 75 x 75 x 8mm	9.13
L 40 x 40 x 4mm	2.42	L 75 x 75 x 9mm	9.96
L 40 x 40 x 5mm	2.97	L 75 x 75 x 10mm	11.07
L 40 x 40 x 6mm	3.52	L 75 x 75 x 12mm	13.00
L 45 x 45 x 3mm	2.09	L 80 x 80 x 6mm	7.34
L 45 x 45 x 4mm	2.74	L 80 x 80 x 7mm	8.49
L 45 x 45 x 5mm	3.38	L 80 x 80 x 8mm	9.66
L 45 x 45 x 6mm	4.00	L 80 x 80 x 10mm	11.90
L 50 x 50 x 3mm	2.33	L 90 x 90 x 6mm	8.30
L 50 x 50 x 4mm	3.06	L 90 x 90 x 7mm	9.51
L 50 x 50 x 5mm	3.77	L 90 x 90 x 8mm	10.90
L 50 x 50 x 6mm	4.47	L 90 x 90 x 9mm	12.20
L 50 x 50 x 8mm	5.82	L 90 x 90 x 10mm	13.40
		L 90 x 90 x 12mm	15.90
L 60 x 60 x 5mm	4.63		
L 60 x 60 x 6mm	5.42		
L 60 x 60 x 8mm	7.09		
L 60 x 60 x 10mm	8.69		

Designation	Mass per unit length M kg/m	Designation	Mass per unit length M kg/m
L 20 x 20 x 2.3mm	0.74	L 65 x 65 x 5mm	4.47
L 20 x 20 x 3mm	0.88	L 65 x 65 x 6mm	5.91
		L 65 x 65 x 8mm	7.66
L 25 x 25 x 2.5mm	0.94	L 65 x 65 x 9mm	8.62
L 25 x 25 x 3mm	1.12		
L 25 x 25 x 4mm	1.45	L 70 x 70 x 5mm	5.37
L 25 x 25 x 5mm	1.76	L 70 x 70 x 6mm	6.38
		L 70 x 70 x 7mm	7.38
L 30 x 30 x 2.5mm	1.13	L 70 x 70 x 8mm	8.36
L 30 x 30 x 3mm	1.36	L x 70 x 70 x 9mm	9.32
L 30 x 30 x 4mm	1.78	L x 70 x 70 x 10mm	10.26
L 30 x 30 x 5mm	2.18		
		L 75 x 75 x 5mm	5.76
L 38 x 38 x 2.5mm	1.44	L 75 x 75 x 6mm	6.85
		L 75 x 75 x 7mm	8.065
L 40 x 40 x 3mm	1.84	L 75 x 75 x 8mm	9.13
L 40 x 40 x 4mm	2.42	L 75 x 75 x 9mm	9.96
L 40 x 40 x 5mm	2.97	L 75 x 75 x 10mm	11.07
L 40 x 40 x 6mm	3.52	L 75 x 75 x 12mm	13.00
L 45 x 45 x 3mm	2.09	L 80 x 80 x 6mm	7.34
L 45 x 45 x 4mm	2.74	L 80 x 80 x 7mm	8.49
L 45 x 45 x 5mm	3.38	L 80 x 80 x 8mm	9.66
L 45 x 45 x 6mm	4.00	L 80 x 80 x 10mm	11.90
L 50 x 50 x 3mm	2.33	L 90 x 90 x 6mm	8.30
L 50 x 50 x 4mm	3.06	L 90 x 90 x 7mm	9.51
L 50 x 50 x 5mm	3.77	L 90 x 90 x 8mm	10.90
L 50 x 50 x 6mm	4.47	L 90 x 90 x 9mm	12.20
L 50 x 50 x 8mm	5.82	L 90 x 90 x 10mm	13.40
		L 90 x 90 x 12mm	15.90
L 60 x 60 x 5mm	4.63		
L 60 x 60 x 6mm	5.42		
L 60 x 60 x 8mm	7.09		
L 60 x 60 x 10mm	8.69		

Designation	Mass per unit length M kg/m	Designation	Mass per unit length M kg/m
L 20 x 20 x 2.3mm	0.74	L 65 x 65 x 5mm	4.47
L 20 x 20 x 3mm	0.88	L 65 x 65 x 6mm	5.91
		L 65 x 65 x 8mm	7.66
L 25 x 25 x 2.5mm	0.94	L 65 x 65 x 9mm	8.62
L 25 x 25 x 3mm	1.12		
L 25 x 25 x 4mm	1.45	L 70 x 70 x 5mm	5.37
L 25 x 25 x 5mm	1.76	L 70 x 70 x 6mm	6.38
		L 70 x 70 x 7mm	7.38
L 30 x 30 x 2.5mm	1.13	L 70 x 70 x 8mm	8.36
L 30 x 30 x 3mm	1.36	L x 70 x 70 x 9mm	9.32
L 30 x 30 x 4mm	1.78	L x 70 x 70 x 10mm	10.26
L 30 x 30 x 5mm	2.18		
		L 75 x 75 x 5mm	5.76
L 38 x 38 x 2.5mm	1.44	L 75 x 75 x 6mm	6.85
		L 75 x 75 x 7mm	8.065
L 40 x 40 x 3mm	1.84	L 75 x 75 x 8mm	9.13
L 40 x 40 x 4mm	2.42	L 75 x 75 x 9mm	9.96
L 40 x 40 x 5mm	2.97	L 75 x 75 x 10mm	11.07
L 40 x 40 x 6mm	3.52	L 75 x 75 x 12mm	13.00
L 45 x 45 x 3mm	2.09	L 80 x 80 x 6mm	7.34
L 45 x 45 x 4mm	2.74	L 80 x 80 x 7mm	8.49
L 45 x 45 x 5mm	3.38	L 80 x 80 x 8mm	9.66
L 45 x 45 x 6mm	4.00	L 80 x 80 x 10mm	11.90
L 50 x 50 x 3mm	2.33	L 90 x 90 x 6mm	8.30
L 50 x 50 x 4mm	3.06	L 90 x 90 x 7mm	9.51
L 50 x 50 x 5mm	3.77	L 90 x 90 x 8mm	10.90
L 50 x 50 x 6mm	4.47	L 90 x 90 x 9mm	12.20
L 50 x 50 x 8mm	5.82	L 90 x 90 x 10mm	13.40
		L 90 x 90 x 12mm	15.90
L 60 x 60 x 5mm	4.63		
L 60 x 60 x 6mm	5.42		
L 60 x 60 x 8mm	7.09		
L 60 x 60 x 10mm	8.69		

U

Standard Sectional Dimension					Unit Weight kg/m
HXB	t ₁	t ₂	r ₁	r ₂	
75x40	5	7	8	4	6.92
100x50	5	7.5	8	4	9.36
125x65	6	8	8	4	13.40
150x75	6.5	10	10	5	18.6
200x80	7.5	11	12	6	24.6
200x90	8	13.5	14	7	30.3
250x90	9	13	14	7	34.6
300x90	9	13	14	7	38.1
380x100	10.5	16	18	9	54.5
380x100	13	20	24	12	67.3





Normal Size mm	Standard Sectional Dimension mm				Unit Weight kg/m
	HXB	t ₁	t ₂	r	
100x100	100x100	6	8	10	17.2
125x125	125x125	6.5	9	10	23.8
150x75	150x75	5	7	8	14.0
150x100	148x100	6	9	11	21.1
150x150	150x150	7	10	11	31.5
200x100	198x99	4.5	7	11	18.2
	200x100	5.5	8	11	21.3
200x150	194x150	6	9	13	30.6
200x200	200x200	8	12	13	49.9
	200x204	12	12	13	56.2
	208x202	10	16	13	65.7
250x125	248x124	5	8	12	25.7
	250x125	6	9	12	29.6
250x175	244x175	7	11	16	44.1
250x250	244x252	11	11	16	64.4
	240x249	8	13	16	66.5
	250x250	9	14	16	72.4
	250x255	14	14	16	82.2
300x150	298x149	5.5	8	13	32.0
	300x150	6.5	9	13	36.7
300x200	294x200	8	12	18	56.8
	298x201	9	14	18	65.4
300x300	294x302	12	12	18	84.5
	298x299	9	14	18	87.0
	300x300	10	15	18	94.0
	300x305	15	15	18	106
	304x301	11	17	18	106
	310x305	15	20	18	130
350x175	346x174	6	9	14	41.4
	350x175	7	11	14	49.6
	354x176	8	13	14	57.8
350x250	336x249	8	12	20	69.2
	340x250	9	14	20	79.7
350x350	344x348	10	16	20	115
	344x354	16	16	20	131



Designation				Dimensions			
G lbs/ft	G kg/m	h mm	b mm	t _w mm	t _f mm		
C 8 x 11.5	11.50	C 200 x 17.1	17.1	203	57	5.6	9.9
C 8 x 13.75	13.75	C 200 x 20.5	20.5	203	59	7.7	9.9
C 8 x 18.75	18.75	C 200 x 27.9	27.9	203	64	12.4	9.9
C 10 x 15.3	15.30	C 250 x 22.8	22.8	254	65	6.1	11.1
C 10 x 20	20.00	C 250 x 30	30.0	254	69	9.6	11.1
C 10 x 25	25.00	C 250 x 37	37.0	254	73	13.4	11.1
C 10 x 30	30.00	C 250 x 45	45.0	254	76	17.1	11.1
C 12 x 20.7	20.70	C 310 x 20.7	30.8	305	74	7.2	12.7
C 12 x 25	25.00	C 310 x 25	37.0	305	77	9.8	12.7
C 12 x 30	30.00	C 310 x 30	45.0	305	80	13	12.7
C 15 x 33.9	33.90	C 380 x 33.9	50.4	381	86	10.2	16.5
C 15 x 40	40.00	C 380 x 40	60.0	381	89	13.2	16.5
C 15 x 50	50.00	C 380 x 50	74.0	381	94	18.2	16.5





Designation	Mass per metre	Depth of Section	Width of Section	Thickness Web	Thickness Flange	Root Radius	Depth between fillets
	- kg/m	h mm	b mm	s mm	t mm	r mm	d mm
UC 152 x 152 x 23	23.0	152.4	152.2	5.8	6.8	7.6	123.6
UC 152 x 152 x 30	30.0	157.6	152.9	6.5	9.4	7.6	123.6
UC 152 x 152 x 37	37.0	161.8	154.4	8.0	11.5	7.6	123.6
UC 203 x 203 x 46	46.1	203.2	203.6	7.2	11.0	10.2	160.8
UC 203 x 203 x 52	52.0	206.2	204.3	7.9	12.5	10.2	160.8
UC 203 x 203 x 60	60.0	209.6	205.8	9.4	14.2	10.2	160.8
UC 203 x 203 x 71	71.0	215.8	206.4	10.0	17.3	10.2	160.8
UC 203 x 203 x 86	86.1	222.2	209.1	12.7	20.5	10.2	160.8
UC 254 x 254 x 73	73.1	254.1	254.6	8.6	14.2	12.7	200.3
UC 254 x 254 x 89	88.9	260.3	256.3	10.3	17.3	12.7	200.3
UC 254 x 254 x 107	107.1	266.7	258.8	12.8	20.5	12.7	200.3
UC 254 x 254 x 132	132.0	276.3	261.3	15.3	25.3	12.7	200.3
UC 254 x 254 x 167	167.1	289.1	265.2	19.2	31.7	12.7	200.3
UC 305 x 305 x 97	96.9	307.9	305.3	9.9	15.4	15.2	246.7
UC 305 x 305 x 118	117.9	314.5	307.4	12.0	18.7	15.2	246.7
UC 305 x 305 x 137	136.9	320.5	309.2	13.8	21.7	15.2	246.7
UC 305 x 305 x 158	158.1	327.1	311.2	15.8	25.0	15.2	246.7
UC 305 x 305 x 198	198.1	339.9	314.5	19.1	31.4	15.2	246.7
UC 305 x 305 x 240	240.0	352.5	318.4	23.0	37.7	15.2	246.7
UC 305 x 305 x 283	282.9	365.3	322.2	26.8	44.1	15.2	246.7
UC 356 x 368 x 129	129.0	355.6	368.6	10.4	17.5	15.2	290.2
UC 356 x 368 x 153	152.9	362.0	370.5	12.3	20.7	15.2	290.2
UC 356 x 368 x 177	177.0	368.2	372.6	14.4	23.8	15.2	290.2
UC 356 x 368 x 202	201.9	375.6	374.7	16.5	27.0	15.2	290.2
UC 356 x 368 x 235	235.1	381.0	394.8	18.4	30.2	15.2	290.2
UC 356 x 368 x 287	287.1	393.6	399.0	22.6	36.5	15.2	290.2
UC 356 x 368 x 340	339.9	406.4	403.0	26.6	42.9	15.2	290.2
UC 356 x 368 x 393	393.0	419.0	407.0	30.6	49.2	15.2	290.2
UC 356 x 368 x 467	467.0	436.6	412.2	35.8	58.0	15.2	290.2
UC 356 x 368 x 551	551.0	455.6	418.5	42.1	67.5	15.2	290.2
C 356 x 368 x 634	633.9	474.6	424.0	47.6	77.0	15.2	290.2



Designation	Mass per metre - kg/m	Depth of Section h mm	Width of Section b mm	Thickness Web s mm	Thickness Flange t mm
UB 127 x 76 x 13	13.0	124.0	76.0	4.0	7.6
UB 152 x 89 x 16	13.0	152.4	88.7	4.5	7.7
UB 178 x 102 x 19	19.0	177.8	101.2	4.8	7.9
UB 203 x 102 x 23	23.1	203.2	101.8	5.4	9.3
UB 203 x 133 x 25	25.1	203.2	133.2	5.7	7.8
UB 203 x 133 x 30	30.0	206.8	133.9	6.4	9.6
UB 254 x 102 x 22	22.0	254.0	101.6	5.7	6.8
UB 254 x 102 x 25	25.2	257.2	101.9	6.0	8.4
UB 254 x 102 x 28	28.3	260.4	102.2	6.3	10.0
UB 254 x 146 x 31	31.1	251.4	146.1	6.0	8.6
UB 254 x 146 x 37	37.0	256.0	146.4	6.3	10.9
UB 254 x 146 x 43	43.0	259.6	147.3	7.2	12.7
UB 305 x 102 x 25	24.8	305.1	101.6	5.8	7.0
UB 305 x 102 x 28	28.2	308.7	101.8	6.0	8.8
UB 305 x 102 x 33	32.8	312.7	102.4	6.6	10.8
UB 305 x 127 x 37	37.0	304.4	123.3	7.1	10.7
UB 305 x 127 x 42	41.9	307.2	124.3	8.0	12.1
UB 305 x 127 x 48	48.1	311.0	125.3	9.0	14.0
UB 305 x 165 x 40	40.3	303.4	165.0	6.0	10.2
UB 305 x 165 x 46	46.1	306.6	165.7	6.7	11.8
UB 305 x 165 x 54	54.0	310.4	166.9	7.9	13.7
UB 356 x 127 x 33	33.1	349.0	125.4	6.0	8.5
UB 356 x 127 x 39	39.1	353.4	126.0	6.6	10.7
UB 356 x 171 x 45	45.0	351.4	171.1	7.0	9.7
UB 356 x 171 x 51	51.0	355.0	171.5	7.4	11.5
UB 356 x 171 x 57	57.0	358.0	172.2	8.1	13.0
UB 356 x 171 x 67	67.0	363.4	173.2	9.1	15.7
UB 406 x 140 x 39	39.0	398.0	141.8	6.4	8.6
UB 406 x 140 x 46	46.0	403.2	142.2	6.8	11.2
UB 406 x 178 x 54	54.1	402.6	177.7	7.7	10.9
UB 406 x 178 x 60	60.1	406.4	177.9	7.9	12.8
UB 406 x 178 x 67	67.1	409.4	178.8	8.8	14.3
UB 406 x 178 x 74	74.2	412.8	179.5	9.5	16.0
UB 457 x 152 x 52	52.3	449.8	152.4	7.6	10.9
UB 457 x 152 x 60	59.8	454.6	152.9	8.1	13.3
UB 457 x 152 x 67	67.2	458.0	153.8	9.0	15.0
UB 457 x 152 x 74	74.2	462.0	154.4	9.6	17.0
UB 457 x 152 x 82	82.1	465.8	155.3	10.5	18.9



		Designation		Dimensions					
	G lbs/ft		G kg/m	h mm	b mm	t _w mm	t _f mm	r mm	
W 4 x 4 x 13	13	W 100 x 100 x 19.3⁺	19.3	106	103	7.1	8.8	6	
W 5 x 5 x 16	16	W 130 x 130 x 23.8⁺	23.8	127	127	6.1	9.1	8	
W 5 x 5 x 19	19	W 130 x 130 x 28.1⁺	28.1	131	128	6.9	10.9	8	
W 6 x 4 x 9	9	W 150 x 100 x 13.5⁺	13.5	150	100	4.3	5.5	6	
W 6 x 4 x 12	12	W 150 x 100 x 18.0⁺	18.0	153	102	5.8	7.1	6	
W 6 x 4 x 16	16	W 150 x 100 x 24.0⁺	24.0	160	102	6.6	10.3	6	
W 6 x 6 x 15	15	W 150 x 150 x 22.5⁺	22.5	152	152	5.8	6.6	6	
W 6 x 6 x 20	20	W 150 x 150 x 29.8⁺	29.8	157	153	6.6	9.3	6	
W 6 x 6 x 25	25	W 150 x 150 x 37.1⁺	37.1	162	154	8.1	11.6	6	
W 8 x 4 x 10	10	W 200 x 100 x 15.0⁺	15.0	200	100	4.3	5.2	8	
W 8 x 4 x 13	13	W 200 x 100 x 19.3⁺	19.3	203	102	5.8	6.5	8	
W 8 x 4 x 15	15	W 200 x 100 x 22.5⁺	22.5	206	102	6.2	8.0	8	
W 8 x 5.25 x 14	14	W 200 x 135 x 21⁺⁺	21.0	203	133	5.0	6.4	8	
W 8 x 5.25 x 18	18	W 200 x 135 x 26.6⁺	26.6	207	133	5.8	8.4	8	
W 8 x 5.25 x 21	21	W 200 x 135 x 31.3⁺	31.3	210	134	6.4	10.2	8	
W 8 x 6.5 x 24	24	W 200 x 165 x 35.9⁺	35.9	201	165	6.2	10.2	10	
W 8 x 6.5 x 28	28	W 200 x 165 x 41.7⁺	41.7	205	166	7.2	11.8	10	
W 8 x 8 x 31	31	W 200 x 200 x 46.1⁺	46.1	203	203	7.2	11.0	10	
W 8 x 8 x 35	35	W 200 x 200 x 52⁺	52.0	206	204	7.9	12.6	10	
W 8 x 8 x 40	40	W 200 x 200 x 59⁺	59.0	210	205	9.1	14.2	10	
W 8 x 8 x 48	48	W 200 x 200 x 71⁺	71.0	216	206	10.2	17.4	10	
W 8 x 8 x 58	58	W 200 x 200 x 86⁺	86.0	222	207	13.0	20.6	10	
W 8 x 8 x 68	67	W 200 x 200 x 100⁺	100	229	210	14.5	23.7	10	



HL 920 x 342 ⁺	342	912	418	19.3	32.0	24
HL 920 x 365 ⁺	364	916	418	20.3	34.3	24
HL 920 x 387 ⁺	387	921	420	21.3	36.6	24
HL 920 x 417 ⁺	417	928	422	22.5	39.9	24
HL 920 x 446 ⁺	446	933	423	24.0	42.7	24
HL 920 x 488 ⁺	488	942	422	25.9	47.0	24
HL 920 x 534 ⁺	534	950	425	28.4	51.1	24
HL 920 x 585 ⁺	585	960	427	31.0	55.9	24
HL 920 x 653 ⁺	653	972	431	34.5	62.0	24
HL 920 x 784 ⁺	784	996	437	40.9	73.9	24
HL 920 x 967 ⁺	967	1028	446	50.0	89.9	24
HL 1000 x 296 ⁺	296	982	400	16.5	27	30
HL 1000 A ⁺	321	990	400	16.5	31	30
HL 1000 B ⁺	371	1000	400	19	36	30
HL 1000 M ⁺	12	1008	402	21	40	30
HL 1000 x 77 ⁺	477	1018	404	25.5	45	30
HL 1000 x 554 ⁺	554	1032	408	29.5	52	30
HL 1000 x 642 ⁺	642	1048	412	34	60	30
HL 1000 x 748 ⁺	748	1068	417	39	70	30
HL 1000 x 883 ⁺	883	1092	424	45.5	82	30
HL 1100 A ⁺	343	1090	400	18	31	20
HL 1100 B ⁺	390	1100	400	20	36	20
HL 1100 M ⁺	433	1108	402	22	40	20
HL 1100 R ⁺	499	1118	405	26	45	20

HE

Designation	Dimensions					
	G kg/m	h mm	b mm	t _w mm	t _f mm	r mm
HE 100 AA ⁺	12.2	91	100	4.2	5.5	12
HE 100 A	16.7	96	100	5	8	12
HE 100 B	20.4	100	100	6	10	12
HE 100 M	41.8	120	106	12	20	12
HE 120 AA ⁺	14.6	109	120	4.2	5.5	12
HE 120 A	19.9	114	120	5	8	12
HE 120 B	26.7	120	120	6.5	11	12
HE 120 M	52.1	140	126	12.5	21	12
HE 140 AA ⁺	18.1	128	140	4.3	6	12
HE 140 A	24.7	133	140	5.5	8.5	12
HE 140 B	33.7	140	140	7	12	12
HE 140 M	63.2	160	146	13	22	12
HE 160 AA ⁺	23.8	148	160	4.5	7	15
HE 160 A	30.4	152	160	6	9	15
HE 160 B	42.6	160	160	8	13	15
HE 160 M	76.0	180	166	14	23	15
HE 180 AA ⁺	28.7	167	180	5	7.5	15
HE 180 A	35.5	171	180	6	9.5	15
HE 180 B	51.2	180	180	8.5	14	15
HE 180 M	88.9	200	186	14.5	24	15
HE 200 AA ⁺	34.6	186	200	5.5	8	18
HE 200 A	42.3	190	200	6.5	10	18
HE 200 B	61.3	200	200	9	15	18
HE 200 M	103	220	206	15	25	18
HE 220 AA ⁺	40.4	205	220	6	8.5	18
HE 220 A	50.5	210	220	7	11	18
HE 220 B	71.5	220	220	9.5	16	18
HE 220 M	117	240	226	15.5	24	18
HE 240 AA ⁺	47.4	224	240	6.5	9	21
HE 240 A	60.3	230	240	7.5	12	21
HE 240 B	83.2	240	240	10	17	21
HE 240 M	157	270	248	18	32	21
HE 260 AA ⁺	54.1	244	260	6.5	9.5	24
HE 260 A	68.2	250	260	7.5	12.5	24
HE 260 B	93.0	260	260	10	17.5	24
HE 260 M	172	290	268	18	32.5	24

UPN

Designation		Dimensions					
G kg/m	h mm	b mm	t _w mm	t _f mm	r ₁ mm	r ₂ mm	
UPN 40	2.87	40	20	5			
UPN 40	4.87	40	35	5			
UPN 50	3.86	50	25	5			
UPN 50	5.59	50	38	5			
UPN 60	5.07	60	30	6			
UPN 65	7.09	65	42	5.5			
UPN 80	8.64	80	45	6			
UPN 100	10.6	100	50	6	8.5	8.5	4.5
UPN 120	13.4	120	55	7	9	9	4.5
UPN 140	16.0	140	60	7	10	10	5
UPN 160	18.8	160	65	7.5	10.5	10.5	5.5
UPN 180	22.0	180	70	8	11	11	5.5
UPN 200	25.3	200	75	8.5	11.5	11.5	6
UPN 220	29.4	220	80	9	12.5	12.5	6.5
UPN 240	33.2	240	85	9.5	13	13	6.5
UPN 260	37.9	260	90	10	14	14	7
UPN 280	41.8	280	95	10	15	15	7.5
UPN 300	46.2	300	100	10	16	16	8
UPN 320	59.5	320	100	14	17.5	17.5	8.75
UPN 350	60.6	350	100	14	16	16	8
UPN 380	63.1	380	102	13.5	16	16	8
UPN 400	71.8	400	110	14	18	18	9



IPN

Designation		Dimensions					
G kg/m		h mm	b mm	t _w mm	t _f mm	r ₁ mm	r ₂ mm
IPN 80	5.94	80	42	3.9	5.9	3.9	2.3
IPN 100	8.34	100	50	4.5	6.8	4.5	2.7
IPN 120	11.1	120	58	5.1	7.7	5.1	3.1
IPN 140	14.3	140	66	5.7	8.6	5.7	3.4
IPN 160	17.9	160	74	6.3	9.5	6.3	3.8
IPN 180	21.9	180	82	6.9	10.4	6.9	4.1
IPN 200	26.2	200	90	7.5	11.3	7.5	4.5
IPN 220	31.1	220	98	8.1	12.2	8.1	4.9
IPN 240	36.2	240	106	8.7	13.1	8.7	5.2
IPN 260	41.9	260	113	9.4	14.1	9.4	5.6
IPN 280	47.9	280	119	10.1	15.2	10.1	6.1
IPN 300	54.2	300	125	10.8	16.2	10.8	6.5
IPN 320	61.0	320	131	11.5	17.3	11.5	6.9
IPN 340	68.0	340	137	12.5	18.3	12.5	7.3
IPN 360	76.1	360	143	13	19.5	13	7.8
IPN 380	84.0	380	149	13.7	20.5	13.7	8.2
IPN 400	92.4	400	155	14.4	21.6	14.4	8.6
IPN 450	115	450	170	16.2	24.3	16.2	9.7
IPN 500	141	500	185	18	27	18	10.8
IPN 550	166	550	200	19	30	19	11.9



IPE

Designation	Dimensions					
	G kg/m	h mm	b mm	t _w mm	t _f mm	r mm
IPE A 100•	6.9	98	55	3.6	4.7	7
IPE 100	8.1	100	55	4.1	5.7	7
IPE A 120•	8.7	117.6	64	3.8	5.1	7
IPE 120	10.4	120	64	4.4	6.3	7
IPE A 140•	10.5	137.4	73	3.8	5.6	7
IPE 140	12.9	140	73	4.7	6.9	7
IPE A 160•	12.7	157	82	4	5.9	9
IPE 160	15.8	160	82	5	7.4	9
IPE A 180•	15.4	177	91	4.3	6.5	9
IPE 180	18.8	180	91	5.3	8	9
IPE O 180+	21.3	182	92	6	9	9
PE A 200•	18.4	197	100	4.5	7	12
IPE 200	22.4	200	100	5.6	8.5	12
IPE O 200+	25.1	202	102	6.2	9.5	12
IPE A 220•	22.2	217	110	5	7.7	12
IPE 220	26.2	220	110	5.9	9.2	12
IPE O 220+	29.4	222	112	6.6	10.2	12
IPE A 240•	26.2	237	120	5.2	8.3	15
IPE 240	30.7	240	120	6.2	9.8	15
IPE O 240+	34.3	242	122	7	10.8	15
PE A 270•	30.7	267	135	5.5	8.7	15
IPE 270	36.1	270	135	6.6	10.2	15
IPE O 270+	42.3	274	136	7.5	12.2	15
PE A 300•	36.5	297	150	6.1	9.2	15
IPE 300	42.2	300	150	7.1	10.7	15
IPE O 300+	49.3	304	152	8	12.7	15
PE A 330•	43.0	327	160	6.5	10	18
IPE 330	49.1	330	160	7.5	11.5	18
IPE O 330+	57.0	334	162	8.5	13.5	18

آل حسين للحديد

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