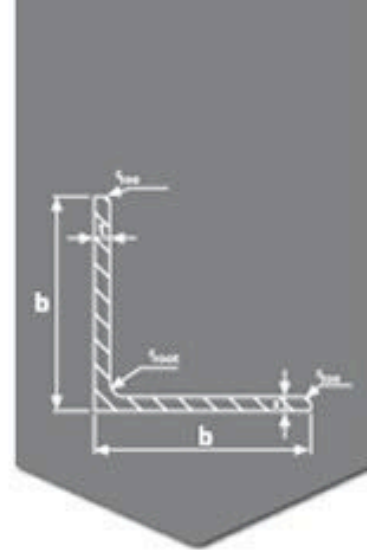
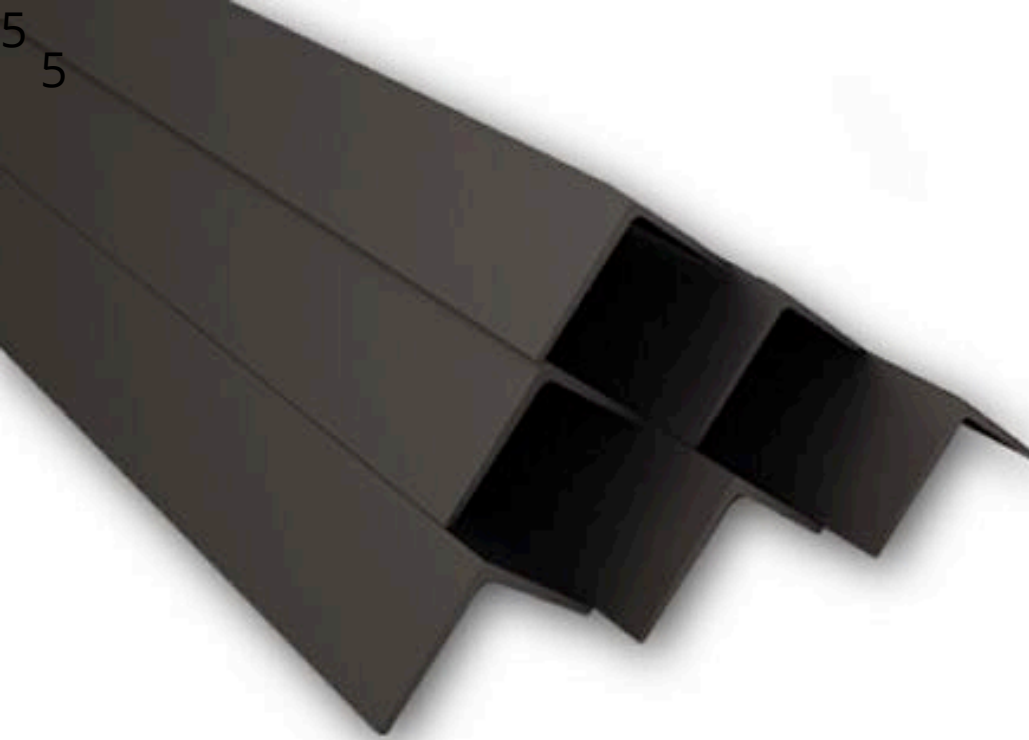


Flat Bars

	2.8	3	4	5	6	7	8	9	10	12	15	16	18	20	25	30	40	
10	0.220	0.236	0.314		0.393													
11	0.242	0.259	0.345		0.432	0.518												
12	0.264	0.283	0.377		0.471	0.565	0.659	0.754										
14	0.308	0.330	0.440		0.550	0.659	0.769	0.879										
16	0.352	0.377	0.502		0.628	0.754	0.879	1.005										
18	0.396	0.424	0.565		0.707	0.848	0.989	1.130										
20	0.440	0.471	0.628		0.785	0.942	1.099	1.256	1.413	1.570								
23	0.506	0.542	0.722		0.903	1.083	1.264	1.444	1.625	1.806								
25	0.550	0.589	0.785		0.981	1.178	1.374	1.570	1.766	1.963								
28	0.615	0.659	0.879		1.099	1.319	1.539	1.758	1.978	2.198								
30	0.659	0.707	0.942		1.178	1.413	1.649	1.884	2.120	2.355								
35	0.769	0.824	1.099		1.374	1.649	1.923	2.198	2.473	2.748								
38	0.835	0.895	1.193		1.492	1.790	2.088	2.386	2.685	2.983	3.580							
40	0.879	0.942	1.256		1.570	1.884	2.198	2.512	2.826	3.140	3.768	4.710	5.024	5.652	6.280			
45		1.060	1.413		1.766	2.120	2.473	2.826	3.179	3.533	4.239	5.299	5.888	6.280	6.359	7.065		
50	1.099	1.178	1.570		1.963	2.355	2.748	3.140	3.533	3.925	4.710	5.888	6.280	7.065	7.850	9.813	11.78	
60				2.355	2.826	3.297	3.768	4.239	4.710	5.622	7.065	7.536	8.478	9.420	11.78	14.130	18.840	
65					3.062	3.572	4.082	4.592	5.103	6.123	7.654	8.164	9.185	10.21	12.76	15.31	20.410	
70					3.297	3.847	4.396	4.946	5.495	6.594	8.243	8.792	9.891	10.990	13.74	16.49	21.980	
75					3.533	4.121	4.710	5.299	5.888	7.065	8.831	9.420	10.598	11.78	14.72	17.66	23.550	
80					3.768	4.396	5.024	5.652	6.280	7.536	9.420	10.048	11.304	12.560	15.700	18.840	25.120	
90				4.239	4.946	5.652	6.359	7.065	7.850	9.478	10.598	11.304	12.717	14.130	17.66	21.2	28.260	
100				4.710	5.495	6.280	7.065	7.850	8.750	10.420	11.775	12.560	14.130	15.700	19.63	23.550	31.400	
110					5.181	6.045	6.908	7.772	8.635	10.362	12.953	13.816	15.543	17.270	21.59	25.91	34.540	
120					5.652	6.594	7.536	8.478	9.420	11.304	14.130	15.072	16.956	18.840	23.550	28.260	37.680	
125					5.888	6.869	7.850	8.831	9.813	11.775	14.719	15.700	17.663	19.63	24.53	29.44	39.250	
130					6.123	7.144	8.164	9.185	10.205	12.246	15.308	16.328	18.369	20.410	25.51	30.62	40.820	
140					6.594	7.693	8.792	9.891	10.99	13.188	16.485	17.584	19.782	21.980	27.48	32.970	43.960	
150					7.065	8.243	9.420	10.598	11.775	14.130	17.663	18.840	21.195	23.550	29.44	35.33	47.100	
160										12.560	15.072	18.840	20.096	22.608	25.120	31.400	37.680	50.240

Length	Standard	Quality
5500 mm	DIN	S235JR[S237]
5800 mm	EN	S275JR[S244]
6000 mm	ASTM	S355JR[S252] & ASTM A 36
6100 mm		ASTM A 572 Grade 50
12000 mm		

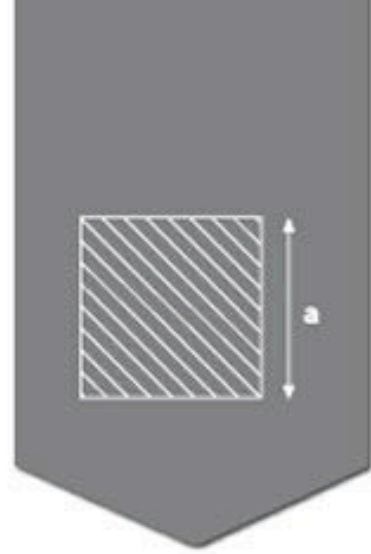
FLAT BARS																	
lbs/ft																	
0.5	0.625	0.75	0.875	1	1.25	1.5	1.75	2	2.5	3	3.5	4	5	6			
0.125	0.213	0.266	0.319	0.372	0.425	0.531	0.638	0.744	0.85	2.5	-	-	-	-	-	-	-
0.188	0.319	0.398	0.478	0.558	0.638	0.797	0.956	1.116	1.275	1.7	-	-	-	-	-	-	-
0.25	0.425	0.531	0.638	0.744	0.85	1.065	1.28	1.49	1.7	2.13	2.55	2.98	3.4	5.1	6.38	7.65	5.1
0.313	-	0.664	0.797	0.93	1.065	1.33	1.595	1.86	2.13	2.655	3.19	3.72	4.25	5.31	6.38	7.65	6.38
0.375	-	-	0.956	1.116	1.28	1.59	1.91	2.23	2.55	3.19	3.83	4.465	5.1	6.38	7.65	9.18	6.38
0.5	-	-	-	-	-	2.125	2.55	2.98	3.4	4.25	5.1	5.95	6.8	8.5	10.2	12.75	10.2
0.625	-	-	-	-	-	2.66	3.19	3.72	4.25	5.315	6.38	7.44	8.5	10.63	12.75	15.3	12.75
0.75	-	-	-	-	-	-	-	4.465	5.1	6.38	7.65	8.93	10.2	12.75	15.3	20.4	15.3
1	-	-	-	-	-	-	-	-	6.8	8.5	10.2	11.9	13.6	17	20.4		



Steel Equal Angles

	2	2.2	2.5	3	3.5	4	5	6	7	8	9	10	12	
18	0.544	0.594	0.668		0.787	0.903								
20	0.607	0.663	0.746		0.882	1.013								
23	0.701	0.767	0.864		1.023	1.178								
25	0.764	0.836	0.943		1.117	1.288	1.455	1.777	2.083					
28	0.858	0.939	1.060		1.258	1.453	1.643	2.012	2.365					
30	0.932	1.019	1.149		1.363	1.573	1.779	2.180	2.564					
33	1.026	1.123	1.267		1.505	1.738	1.968	2.415	2.847					
35	1.089	1.192	1.346		1.599	1.848	2.093	2.572	3.035					
38	1.183	1.296	1.463		1.740	2.013	2.282	2.808	3.317					
40		1.374	1.551		1.844	2.132	2.417	2.974	3.516					
43					1.985	2.297	2.605	3.210	3.798					
45			1.758		2.090	2.418	2.742	3.378	3.998					
48					2.231	2.583	2.930	3.613	4.280					
50					2.326	2.693	3.056	3.770	4.469					
60							3.696	4.568	5.423	6.263	7.088			
63							3.885	4.803	5.706	6.593	7.464			
65							4.025	4.974	5.909	6.827	7.730			
70								5.367	6.380	7.377	8.358	9.323	10.273	
75								5.575	6.667	7.942	9.002	10.046	11.074	
80									7.338	8.492	9.630	10.752	11.859	
90									8.297	9.608	10.904	12.183	13.447	
100									9.259	10.727	12.179	13.615	15.036	
120											14.712	16.462	18.197	21.620

Length	Standard	Quality
5500 mm	DIN	S235JR ST37
5800 mm	EN	S275JR ST44
6000 mm	ASTM	S355JR ST52
6100 mm		
12000 mm		



Square Bars

Diameter [d] (mm)	6	7	7.5	8	9
Weight (Kg/m)	0.222	0.302	0.347	0.394	0.499
Diameter [d] (mm)	9.5	10	11	11.5	12
Weight (Kg/m)	0.556	0.616	0.746	0.815	0.887
Diameter [d] (mm)	12.53	13	13.5	14	15
Weight (Kg/m)	0.963	1.041	1.123	1.208	1.387
Diameter [d] (mm)	16	18	20	22	25
Weight (Kg/m)	1.578	1.998	2.466	2.984	3.853
Diameter [d] (mm)	30	32	35	38	40
Weight (Kg/m)	5.549	6.313	7.552	8.903	9.864
Diameter [d] (mm)	45	50	60	70	80
Weight (Kg/m)	12.485	15.413	22.195	30.209	39.457

SQUARE BARS lbs/ft	
1/4	0.213
1/3	0.332
3/8	0.478
4/9	0.651
1/2	0.85
5/8	1.33
3/4	1.91
7/8	2.6
1	3.4
1 1/8	4.3
1 1/4	5.31
1 1/2	7.65
1 3/4	10.41
2	13.6
2 1/2	21.25
3	30.6

Length	Standard	Quality
5500 mm	DIN	S235JR[ST37]
5800 mm	EN	S275JR[ST44]
6000 mm	ASTM	S355JR[ST52] & ASTM A 36
6100 mm		ASTM A 572 Grade 50
12000 mm		



Round Bars

Diameter [d] (mm)	6	7	7.5	8	9
Weight (Kg/m)	0.222	0.302	0.347	0.394	0.499
Diameter [d] (mm)	9.5	10	11	11.5	12
Weight (Kg/m)	0.556	0.616	0.746	0.815	0.887
Diameter [d] (mm)	12.5	13	13.5	14	15
Weight (Kg/m)	0.963	1.041	1.123	1.208	1.387
Diameter [d] (mm)	16	18	20	22	25
Weight (Kg/m)	1.578	1.998	2.466	2.984	3.853
Diameter [d] (mm)	30	32	35	38	40
Weight (Kg/m)	5.549	6.313	7.552	8.903	9.864
Diameter [d] (mm)	45	50	60	70	80
Weight (Kg/m)	12.485	15.413	22.195	30.209	39.457

Length

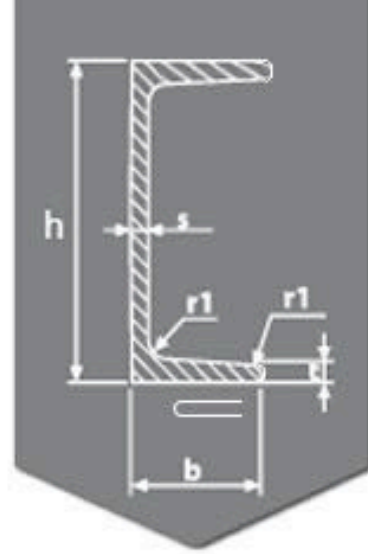
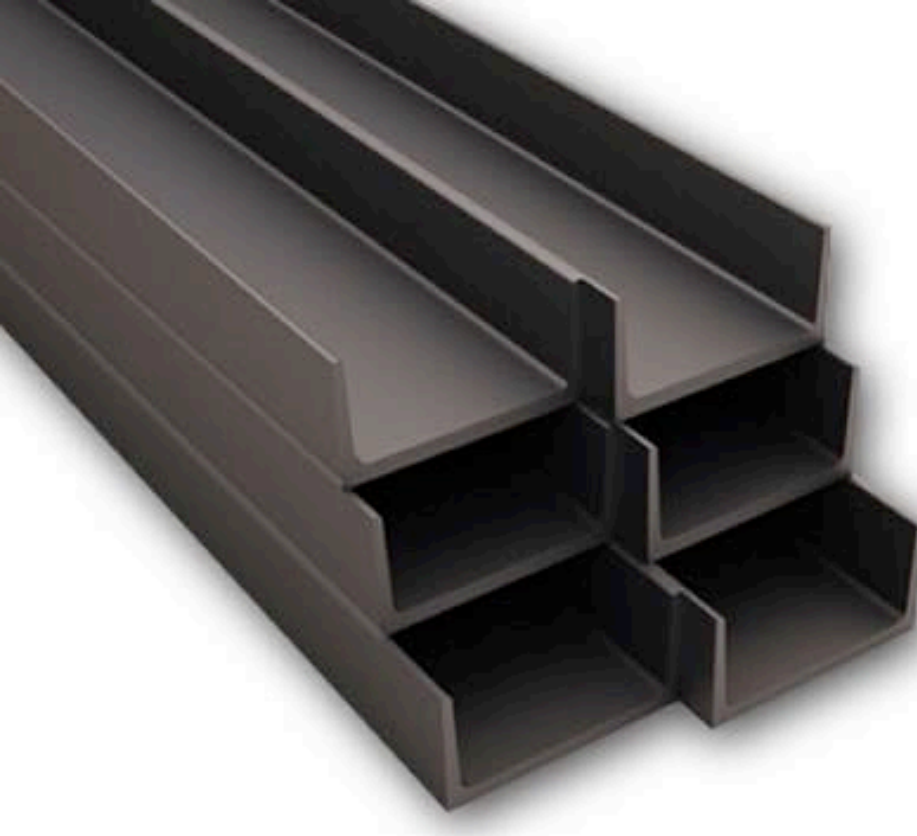
5500 mm
5800 mm
6000 mm
6100 mm
12000 mm

Standard

DIN
EN
ASTM

Quality

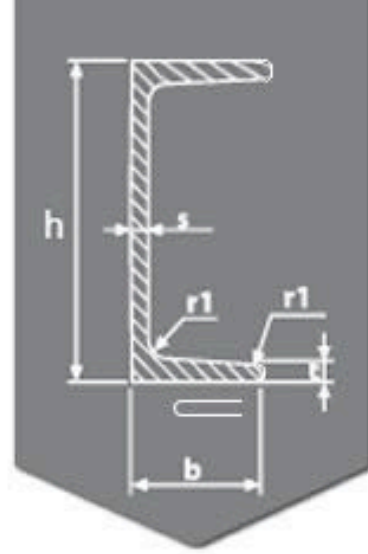
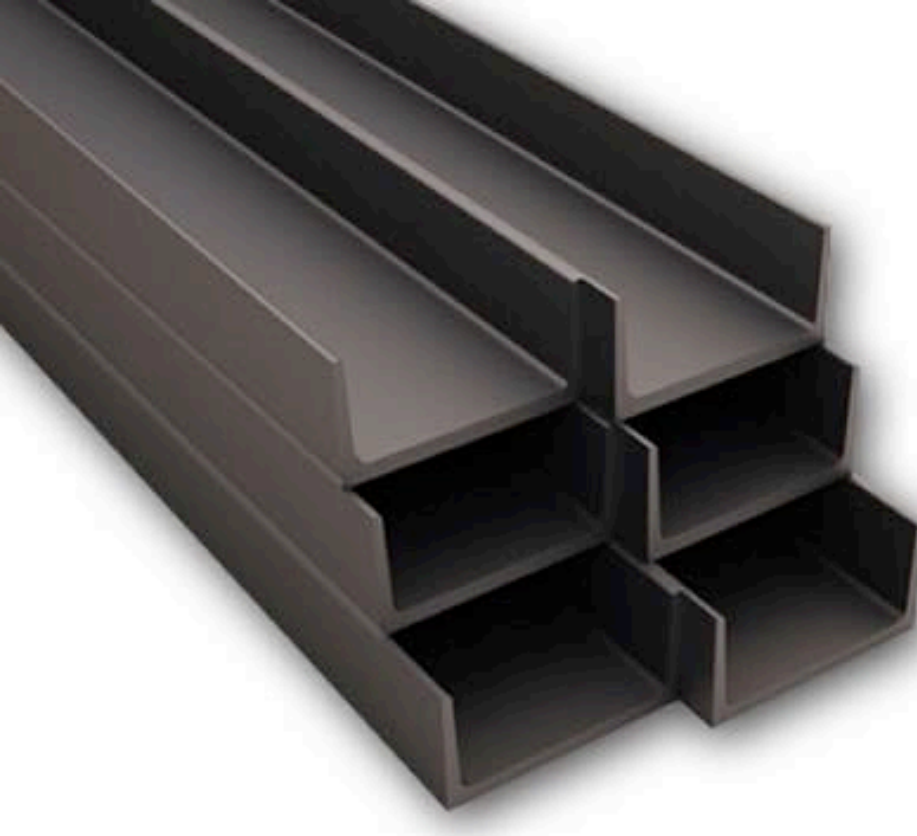
S235JR[ST37]
S275JR[ST44]
S355JR[ST52] & ASTM A 36
ASTM A 572 Grade 50



UPN Channels

Size	Depth (h)	Width (b)	Thickness Web (s)	Thickness Flange (t)	Weight
mm	mm	mm	mm	mm	Kg/m
65	65	42	5.5	7.5	7.09
80	80	45	6	8	8.64
100	100	50	6	8.5	10.6
120	120	55	7	9	13.4
140	140	60	7	10	16
160	160	65	7.5	10.5	18.8

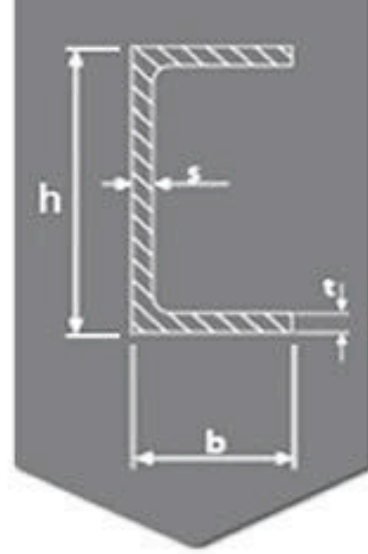
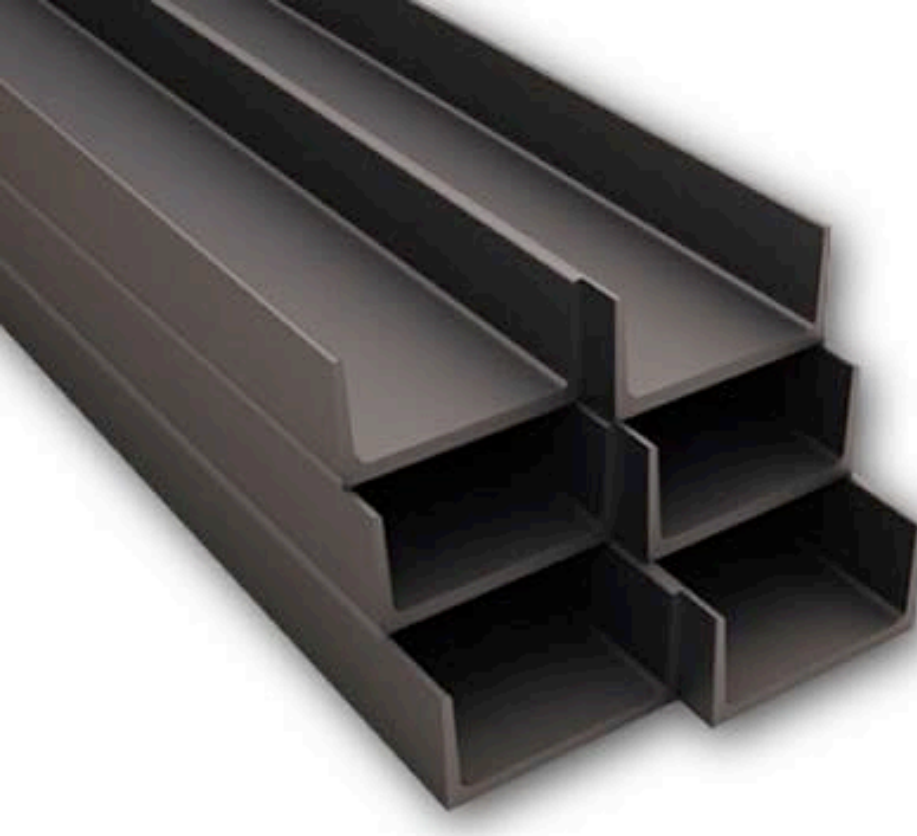
Length	Standard	Quality
5500 mm	DIN	S235JR[S237]
5800 mm	EN	S275JR[S244]
6000 mm	ASTM	S355JR[S252]
6100 mm		
12000 mm		



UPE Channels

Size	Depth (h) mm	Width (b) mm	Thickness Web (s) mm	Thickness Flange (t) mm	Weight Kg/m
80	80	40	4.3	6.7	6.6
100	100	45	4.5	7.2	8.3
120	120	50	4.6	7.7	10.3
140	140	55	4.8	8	12.1

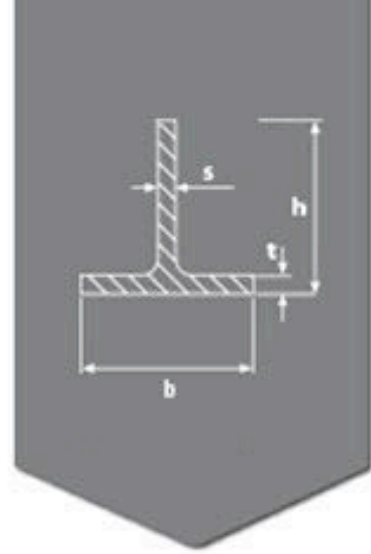
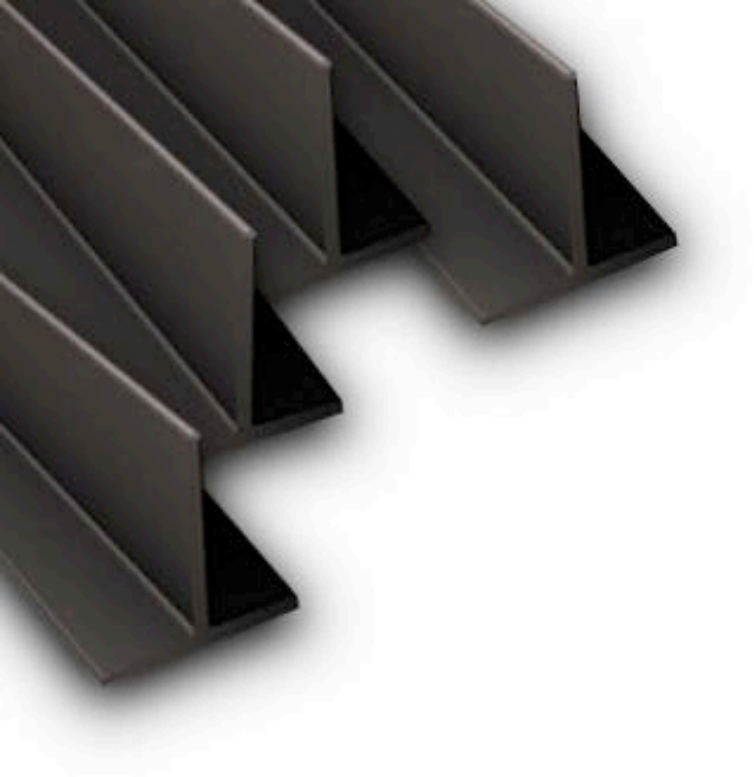
Length	Standard	Quality
5500 mm	DIN	S235JR[ST37]
5800 mm	EN	S275JR[ST44]
6000 mm	ASTM	S355JR[ST52]
6100 mm		
12000 mm		



UAC Channels

Size	Depth (h)	Width (b)	Thickness Web (s)	Thickness Flange (t)	Weight
mm	mm	mm	mm	mm	Kg/m
30	30	15	3	3.5	1.41
35	35	17.4	3	3.6	1.83
40	40	20	3	3.7	2.02
50	50	25	3.1	4.0	2.90

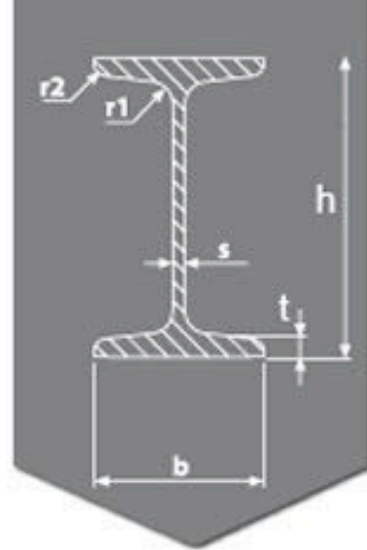
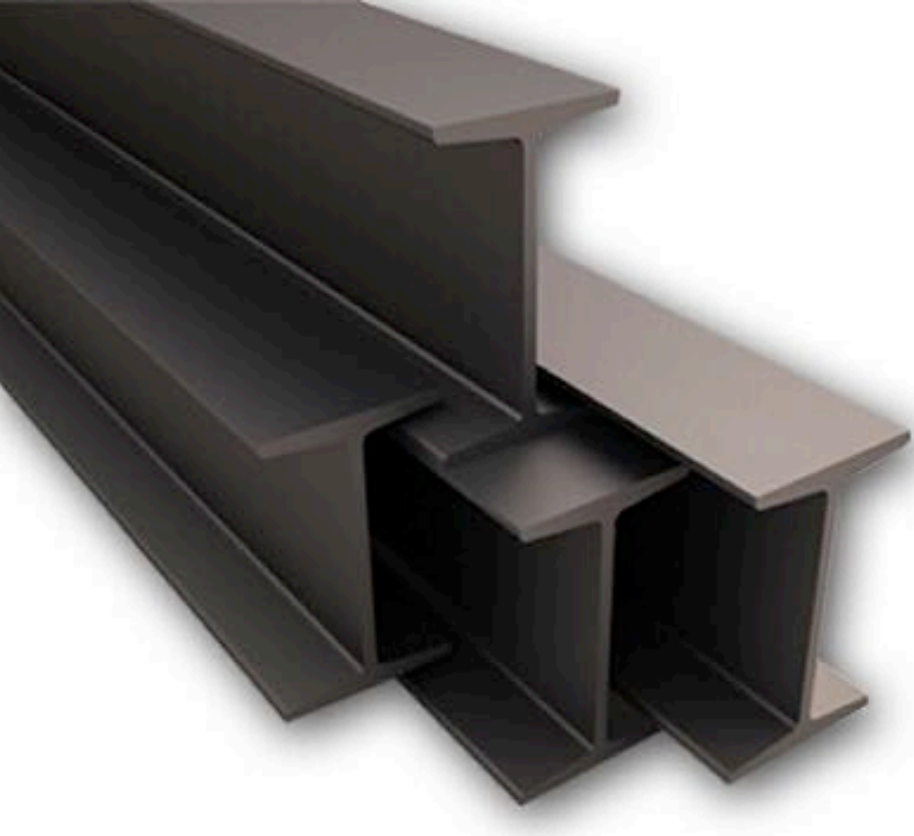
Length	Standard	Quality
5500 mm	DIN	S235JR[ST37]
5800 mm	EN	S275JR[ST44]
6000 mm	ASTM	S355JR[ST52]
6100 mm		
12000 mm		



T Bars

Size	Depth (h)	Width (b)	Thickness Web (s)	Thickness Flange (t)	Weight
	mm	mm	mm	mm	Kg/m
24 x 24 x 2.7	24	24	2.7	2.7	1,04
29 x 29 x 2.7	29	29	2.7	2.7	1,19
34 x 34 x 2.7	34	34	2.7	2.7	1,43
39 x 39 x 2.7	39	39	2.7	2.7	1,71
40 x 40 x 4	40	40	4	4	2,28
50 x 50 x 5	50	50	4	4	3,59

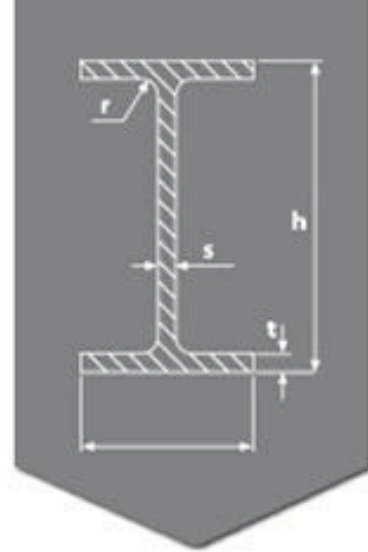
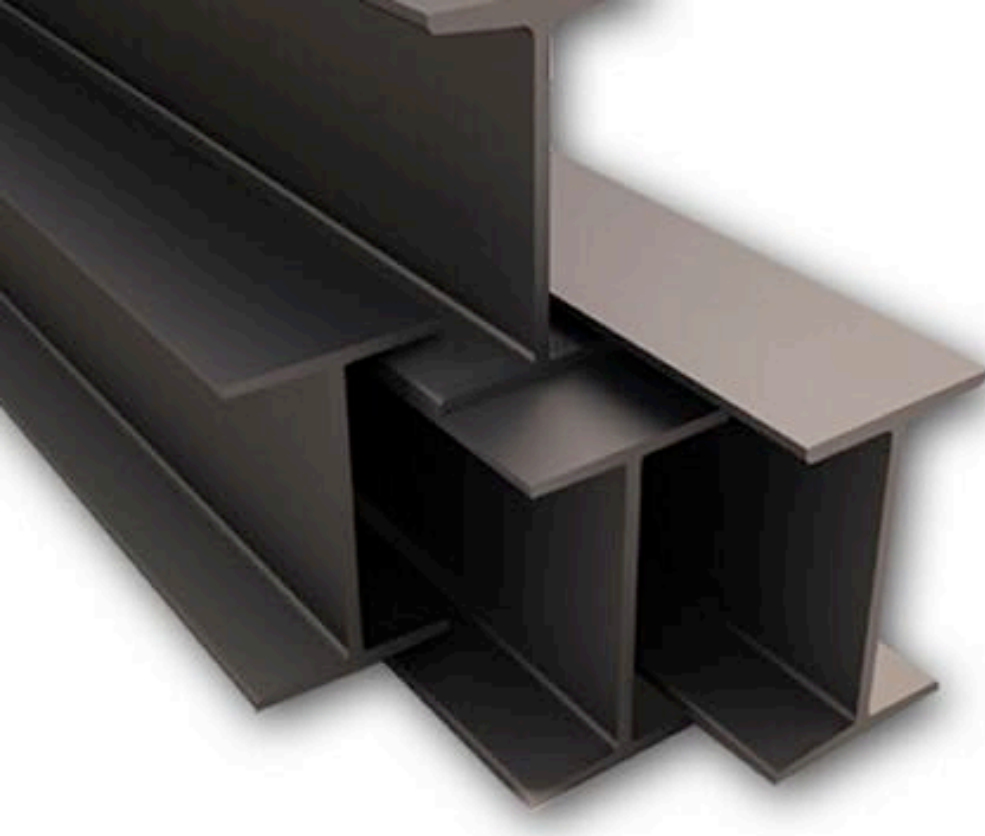
Length	Standard	Quality
5900 mm	DIN	S235JR[S237]
5800 mm	EN	S275JR[S244]
6000 mm	ASTM	S355JR[S252] & ASTM A 36
6100 mm		SAE1045
12000 mm		



IPN Profiles

Size	Depth (h)	Width (b)	Thickness Web (s)		Thickness Flange (t)		Weight
	mm	mm		mm		mm	Kg/m
80	80	42		3.9		5.9	5.94
100	100	50		4.5		6.8	8.34
120	120	58		5.1		7.7	11.1
140	140	66		5.7		8.6	14.3
160	160	74		6.3		9.5	17.9

Length	Standard	Quality
5500 mm	DIN	S235JR[ST37]
5800 mm	EN	S275JR[ST44]
6000 mm	ASTM	S355JR[ST52] & ASTM A 36
6100 mm		SAE1045
12000 mm		



IPE Profiles

Size	Depth (h)	Width (b)	Thickness Web (s)	Thickness Flange (t)	Weight
	mm	mm	mm	mm	
80	80	42	3.9	5.9	5.94
100	100	50	4.5	6.8	8.34
120	120	58	5.1	7.7	11.1
140	140	66	5.7	8.6	14.3
160	160	74	6.3	9.5	17.9

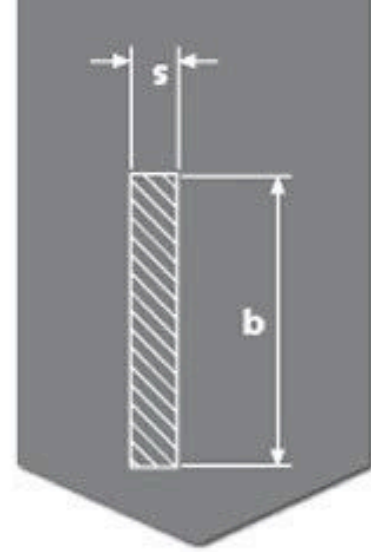
IPE AA

Size	Depth (h)	Width (b)	Thickness Web (s)	Thickness Flange (t)	Weight
	mm	mm	mm	mm	
80	80	46	3.8	5.2	6.0
100	100	55	4.1	5.7	8.1
120	120	64	4.4	6.3	10.4
140	140	73	4.7	6.9	12.9
160	160	82	5.0	7.4	15.8

IPE AAAAA

Size	Depth (h)	Width (b)	Thickness Web (s)	Thickness Flange (t)	Weight
	mm	mm	mm	mm	
80	80	42	3.9	5.9	5.94
100	100	50	4.5	6.8	8.34
120	120	58	5.1	7.7	11.1
140	140	66	5.7	8.6	14.3
160	160	74	6.3	9.5	17.9

Length	Standard	Quality
5500 mm	DIN	S235JR[S737]
5800 mm	EN	S275JR[S744]
6000 mm	ASTM	S355JR[S752] & ASTM A 36
6100 mm		ASTM A 572 Grade 50
12000 mm		



Hammered Bars

Flat Bars
12 x 6
20 x 5
20 x 10
25 x 5
25 x 10
30 x 5
30 x 5
30 x 10
40 x 5
40 x 10

Length

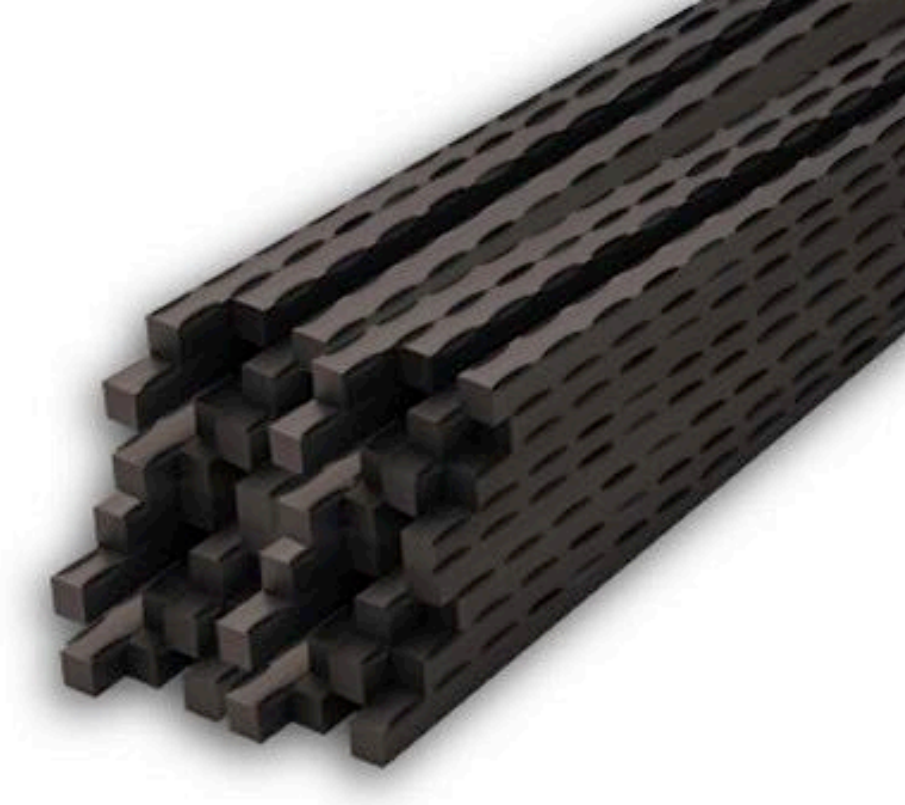
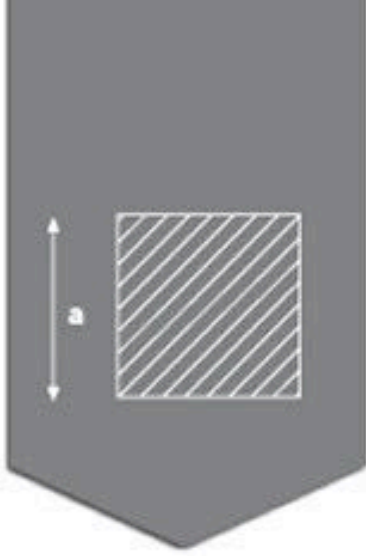
600 - 6500 mm
 5800 mm
 6000 mm
 6100 mm
 12000 mm

Standard

DIN
 EN

Quality

S235JR[ST37]
 S275JR[ST44]
 S355JR[ST52]



Hammered Bars

Square Bars
10 x 10
11.5 x 11.5
12 x 12
14 x 14
16 x 16
16 x 16
20 x 20

Length

600 - 6500 mm
 5800 mm
 6000 mm
 6100 mm
 12000 mm

Standard

DIN
 EN

Quality

S235JR[ST37]
 S275JR[ST44]
 S355JR[ST52]