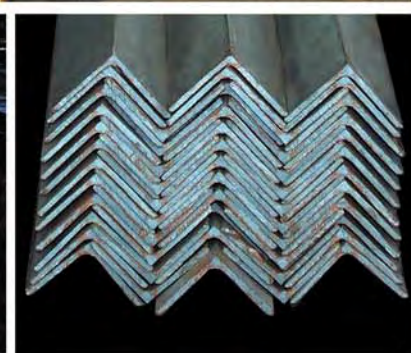
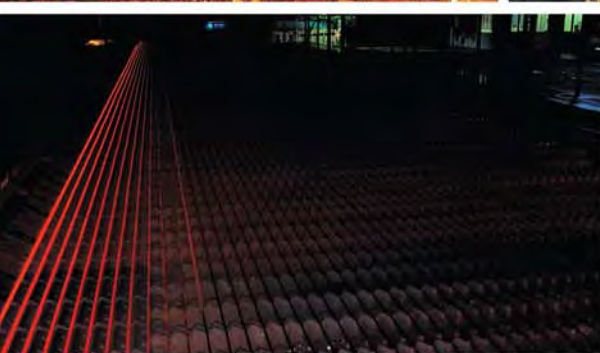




# MADENMETAL



# Production

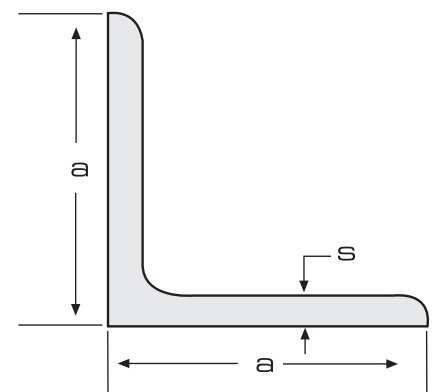


## EQUAL ANGLE

### ROLLING TOLERANCES

DIN		1028
ASTM	A	6
EN		10056
BS		4848

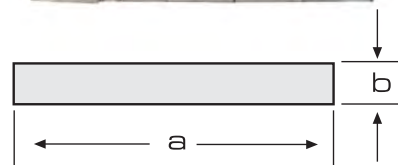
Dimensions			
SIZE	weight (kg/m)	SIZE	weight (kg/m)
19 x 19 x 1,9	0,538	50 x 50 x 4	3,056
20 x 20 x 3	0,879	50 x 50 x 5	3,77
25 x 25 x 2,5	0,939	50 x 50 x 6	4,469
25 x 25 x 3	1,114	60 x 60 x 4	3,696
25 x 25 x 4	1,452	60 x 60 x 6	5,423
30 x 30 x 2,5	1,15	65 x 65 x 7	6,827
30 x 30 x 3	1,363	70 x 70 x 7	7,377
30 x 30 x 4	1,779	75 x 75 x 5	5,76
35 x 35 x 2,5	1,346	80 x 80 x 6	7,338
35 x 35 x 3	1,599	80 x 80 x 7	8,492
35 x 35 x 4	2,093	80 x 80 x 8	9,63
35 x 35 x 5	2,572	80 x 80 x 9	10,753
40 x 40 x 3	1,844	90 x 90 x 8	10,904
40 x 40 x 4	2,417	90 x 90 x 9	12,183
40 x 40 x 5	2,974	100 x 100 x 8	12,179
45 x 45 x 3	2,101	100 x 100 x 10	15,037
45 x 45 x 4	2,753	120 x 120 x 10	18,198
45 x 45 x 5	3,389	120 x 120 x 12	21,62
50 x 50 x 3	2,326		





### Dimensions

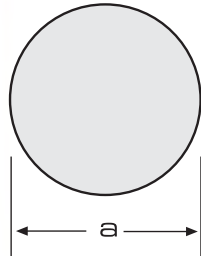
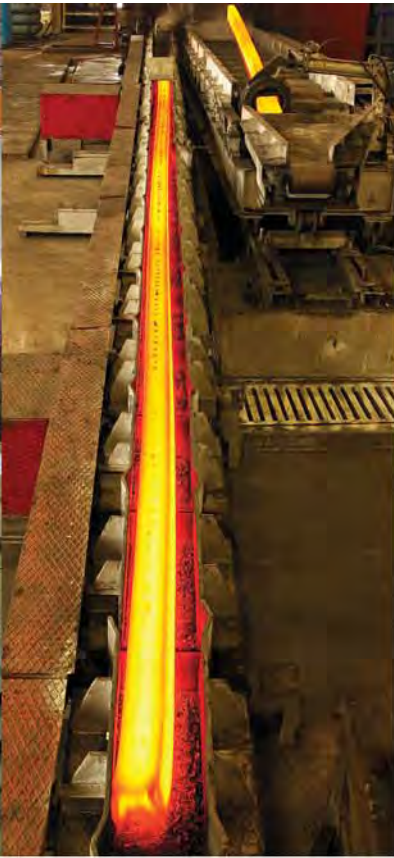
SIZE	weight (kg/m)	SIZE	weight (kg/m)
12 x 4	0,337	30 x 3	0,706
12 x 5	0,471	30 x 4	0,942
12 x 6	0,565	30 x 5	1,178
14 x 3	0,330	30 x 6	1,413
14 x 4	0,440	30 x 8	1,884
14 x 5	0,550	30 x 10	2,355
14 x 6	0,659	40 x 3	0,942
15 x 3	0,353	40 x 4	1,256
15 x 4	0,471	40 x 5	1,570
15 x 5	0,589	40 x 6	1,884
15 x 6	0,706	40 x 8	2,512
16 x 3	0,377	40 x 10	3,140
16 x 4	0,502	50 x 3	1,178
16 x 5	0,628	50 x 4	1,570
16 x 6	0,754	50 x 5	1,962
16 x 8	1,005	50 x 6	2,355
16 x 10	1,256	50 x 8	3,140
18 x 3	0,424	50 x 10	3,925
18 x 4	0,565	60 x 6	2,826
18 x 5	0,706	60 x 8	3,768
18 x 6	0,848	60 x 10	4,710
20 x 3	0,471	70 x 7	3,846
20 x 4	0,628	70 x 8	4,396
20 x 5	0,785	70 x 10	5,495
20 x 6	0,942	80 x 6	3,768
20 x 8	1,256	80 x 7	4,396
20 x 10	1,570	80 x 8	5,024
25 x 3	0,589	80 x 10	6,280
25 x 4	0,785	80 x 12	7,536
25 x 5	0,981	100 x 6	4,710
25 x 6	1,178	100 x 8	6,280
25 x 8	1,570	100 x 10	7,850
25 x 10	1,962	100 x 12	9,420



## FLAT BAR

### ROLLING TOLERANCES

DIN	1017
ASTM	A 6
EN	10058
BS	4360



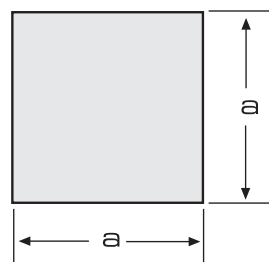
## ROUND BAR

### ROLLING TOLERANCES

DIN	1013
ASTM	A 615
EN	10060
BS	4360



Dimensions			
SIZE	weight (kg/m)	SIZE	weight (kg/m)
8 x 8	0,395	14 x 14	1,209
8,5 x 8,5	0,446	14,5 x 14,5	1,297
9 x 9	0,5	15 x 15	1,388
9,5 x 9,5	0,557	15,5 x 15,5	1,482
10 x 10	0,617	16 x 16	1,579
10,5 x 10,5	0,68	17 x 17	1,783
11 x 11	0,746	18 x 18	1,998
11,5 x 11,5	0,816	19 x 19	2,227
12 x 12	0,888	20 x 20	2,467
12,5 x 12,5	0,964	22 x 22	2,985
13 x 13	1,042	24 x 24	3,553
13,5 x 13,5	1,124	25 x 25	3,855



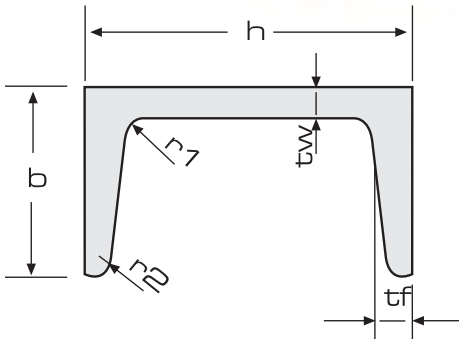
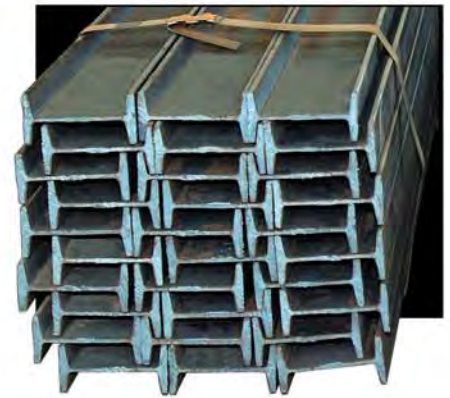
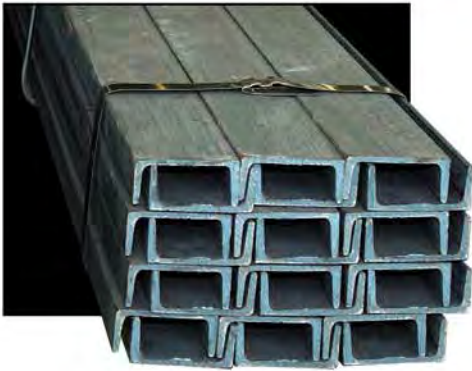
## SQUARE BAR

### ROLLING TOLERANCES

DIN	1014
ASTM	A 6
EN	10059
BS	4360



Dimensions			
SIZE	weight (kg/m)	SIZE	weight (kg/m)
7 x 7	0,385	14 x 14	1,539
7,5 x 7,5	0,442	14,5 x 14,5	1,65
8 x 8	0,502	15 x 15	1,766
8,5 x 8,5	0,567	15,5 x 15,5	1,886
9 x 9	0,636	16 x 16	2,01
9,5 x 9,5	0,708	17 x 17	2,269
10 x 10	0,785	18 x 18	2,543
10,5 x 10,5	0,865	19 x 19	2,834
11 x 11	0,95	20 x 20	3,14
11,5 x 11,5	1,038	22 x 22	3,799
12 x 12	1,13	25 x 25	4,906
12,5 x 12,5	1,227		
13 x 13	1,327		
13,5 x 13,5	1,431		

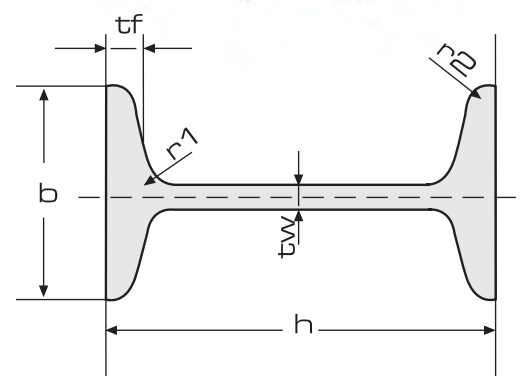


## UPN PROFILE

### ROLLING TOLERANCES

EN 10279 **QUALITY**  
 DIN 1026 TS EN 10025 S 235  
 TS 912 S275 S355 JR

Dimensions			
SIZE	weight (kg/m)	SIZE	weight (kg/m)
30 x 15 x 3	1,47	60 x 30 x 6	5,00
30 x 15 x 4	1,70	65 x 42 x 5,5	7,09
35 x 17,4 x 3	1,84	80 x 45 x 6	8,64
35 x 17,4 x 4	2,04	100 x 50 x 6	10,60
40 x 20 x 3	2,04	120 x 55 x 7	13,40
40 x 20 x 5	2,98	140 x 60 x 7	16,00
50 x 25 x 3	3,00	160 x 65 x 7,5	18,80
50 x 25 x 5	3,86	180 x 70 x 8	22,00
50 x 38 x 5	5,56	200 x 75 x 8,5	25,30
60 x 30 x 3,5	3,90		

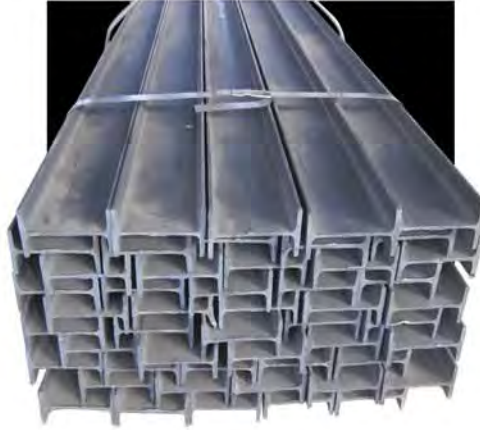
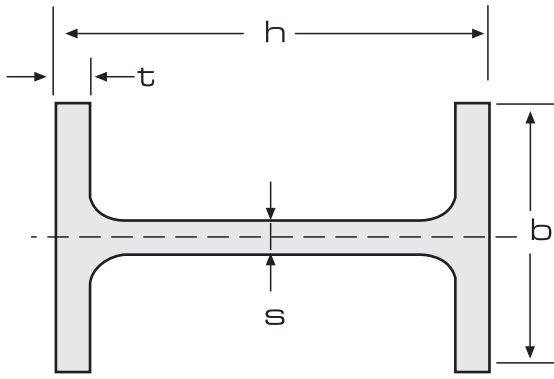


## IPN PROFILE

### ROLLING TOLERANCES

EN 10024  
 DIN 1025  
 TS 910

Dimensions		
IPN		
	SIZE	weight (kg/m)
80	80 x 42 x 3,9	5,95
100	100 x 50 x 4,5	8,32
120	120 x 58 x 5,1	11,2
140	140 x 66 x 5,7	14,37
160	160 x 74 x 6,3	17,9
180	180 x 82 x 6,9	21,9
200	200 x 90 x 7,5	26,2

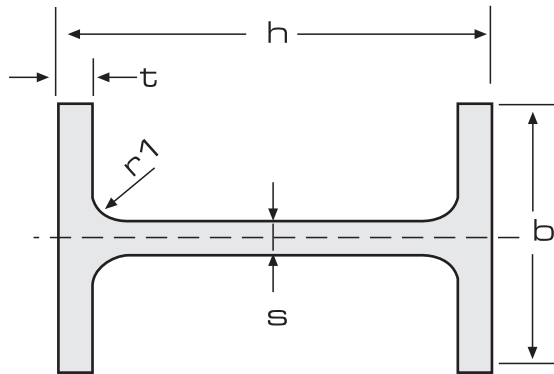


## IPE PROFILE

ROLLING  
TOLERANCES  
EN 10034

### QUALITY

TS EN 10025 S 235 S275  
S355 JR



Dimensions				
IPE			IPEA	
	SIZE	weight (kg/m)	SIZE	weight (kg/m)
80	80 x 46 x 3,8	6,0	78 x 46 x 3,3	5,0
100	100 x 55 x 4,1	8,1	98 x 55 x 3,6	6,9
120	120 x 64 x 4,4	10,4	117,6 x 64 x 3,8	8,7
140	140 x 73 x 4,7	12,9	137,4 x 73 x 3,8	10,5
160	160 x 82 x 5	15,8	157 x 82 x 4	12,7
180	180 x 91 x 5,3	18,8		
200	200 x 100 x 5,6	22,4		

IPEAA			IPEAAA	
	SIZE	weight (kg/m)	SIZE	weight (kg/m)
80	78 x 46 x 3,2	4,9	78 x 46 x 3	4,75
100	97,6 x 55 x 3,6	6,7	97 x 55 x 3,5	6,6
120	117 x 64 x 3,8	8,4	117 x 64 x 3,3	8,3
140	136,6 x 73 x 3,8	10,1	136 x 73 x 3,2	8,8
160	156,4 x 82 x 4	12,1	156,4 x 82 x 3,7	11,95



## IPE A PROFILE

ROLLING  
TOLERANCES  
EN 10034



## IPE AA PROFILE

ROLLING  
TOLERANCES  
EN 10034

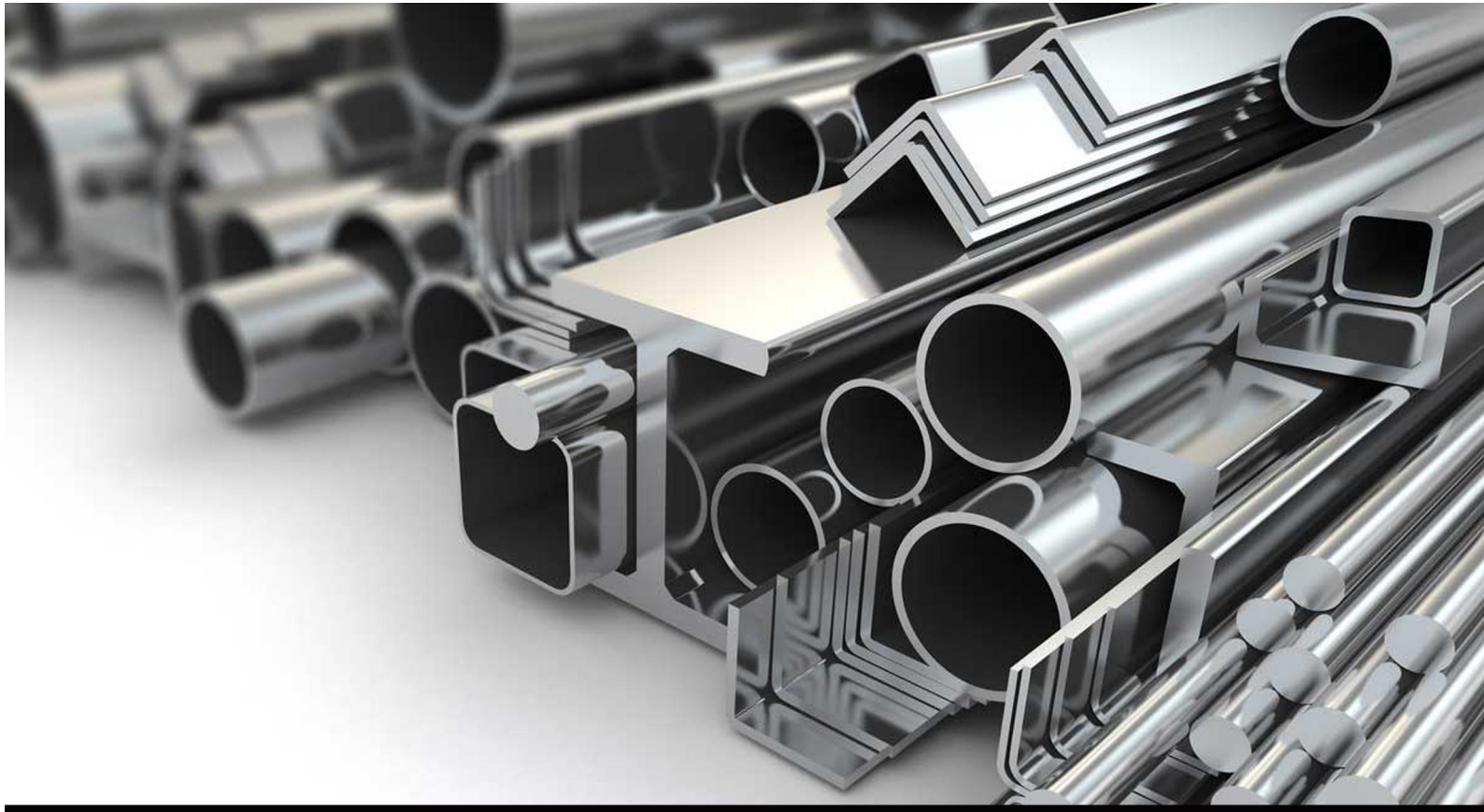


## IPE AAA PROFILE

ROLLING  
TOLERANCES  
EN 10034

### QUALITY

TS EN 10025 S 235 S275 S355 JR



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