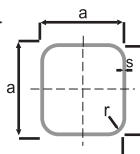


KARE PROFİLLER

DIN 2395

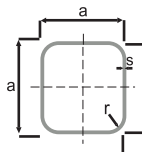


EBAT	1mt./Kg
10x10x0,8	0,231
10x10x0,9	0,257
10x10x1,0	0,280
15x15x0,8	0,356
15x15x0,9	0,399
16x16x1,0	0,438
20x20x0,8	0,482
20x20x0,9	0,539
20x20x1,0	0,595
20x20x1,2	0,708
20x20x1,5	0,868
20x20x2,0	1,120
20x20x2,5	1,510
25x25x0,8	0,608
25x25x0,9	0,681
25x25x1,0	0,752
25x25x1,2	0,892
25x25x1,5	1,100
25x25x2,0	1,440
25x25x2,5	1,890
25x25x3,0	1,900
30x30x0,8	0,733
30x30x0,9	0,822
30x30x1,0	0,909
30x30x1,2	1,085
30x30x1,5	1,340
30x30x2,0	1,750
30x30x2,5	2,150
35x35x0,8	0,851
35x35x0,9	0,957
35x35x1,0	1,070
35x35x1,2	1,270
35x35x1,5	1,570
35x35x2,0	2,070
35x35x2,5	2,540
35x35x3,0	2,860
40x40x0,8	0,973
40x40x0,9	1,090
40x40x1,0	1,210
40x40x1,2	1,440
40x40x1,5	1,810

EBAT	1mt./Kg
40x40x2,0	2,380
40x40x2,5	2,930
40x40x3,0	3,330
40x40x4,0	4,090
50x50x1,5	2,280
50x50x2,0	3,010
50x50x2,5	3,720
50x50x3,0	4,280
50x50x4,0	5,510
50x50x5,0	6,560
60x60x1,5	2,750
60x60x2,0	3,640
60x60x2,5	4,500
60x60x3,2	5,220
60x60x4,0	6,760
60x60x5,0	8,130
70x70x1,5	3,230
70x70x2,0	4,260
70x70x2,5	5,290
70x70x3,0	6,160
70x70x4,0	8,020
70x70x5,0	9,700
80x80x1,5	3,620
80x80x2,0	4,890
80x80x2,5	6,070
80x80x3,0	7,100
80x80x4,0	9,280
80x80x5,0	11,300
80x80x6,3	13,500
90x90x1,5	4,080
90x90x2,0	5,520
90x90x2,5	6,860
90x90x3,0	8,040
90x90x4,0	10,500
90x90x5,0	12,800
90x90x6,3	15,500
100x100x2,0	6,150
100x100x2,5	7,700
100x100x3,0	9,450
100x100x4,0	11,700
100x100x5,0	14,200

KARE PROFİLLER

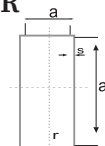
DIN 2395



EBAT	1mt./Kg	EBAT	1mt./Kg
100x100x6,3	17,500	200x200x4,0	24,200
100x100x7,1	19,400	200x200x5,0	29,900
120x120x3,0	11,500	200x200x6,3	37,200
120x120x4,0	14,100	200x200x7,1	41,600
120x120x5,0	17,400	200x200x8,0	46,500
120x120x6,3	21,400	200x200x10,0	57,000
120x120x7,1	23,800	200x200x12,5	69,400
120x120x8,0	26,400	250x250x5,0	38,300
120x120x10,0	31,800	250x250x5,6	42,700
140x120x4,0	16,700	250x250x6,0	45,700
140x140x5,0	20,500	250x250x6,3	47,900
140x140x6,3	25,400	250x250x7,1	53,700
140x140x7,1	28,300	250x250x8,0	60,300
140x140x8,0	31,400	250x250x8,8	66,000
140x140x10,0	38,100	250x250x10,0	74,500
150x150x4,0	17,900	250x250x12,0	88,500
150x150x5,0	22,100	250x250x12,5	91,900
150x150x6,3	27,400	250x250x14,2	103
150x150x7,1	30,500	250x250x16,0	115
150x150x8,0	33,900	260x260x6,0	47,600
150x150x10,0	41,300	260x260x6,3	49,900
160x160x4,0	19,200	260x260x7,0	56,000
160x160x5,0	23,200	260x260x8,0	62,800
160x160x6,3	29,300	260x260x8,8	68,800
160x160x7,1	32,700	260x260x10,0	77,700
160x160x8,0	36,500	260x260x12,0	92,200
160x160x10,0	44,400	260x260x12,5	95,800
175x175x4,0	21,000	260x260x14,2	108
175x175x5,0	26,000	260x260x16,0	120
175x175x6,3	32,300	300x300x6,0	55,100
175x175x7,0	36,100	300x300x6,3	57,800
175x175x8,0	40,200	300x300x7,1	64,900
175x175x10,0	49,100	300x300x8,0	72,800
180x180x4,0	21,700	300x300x8,8	79,800
180x180x5,0	26,800	300x300x10,0	90,200
180x180x6,3	33,300	300x300x12,0	107
180x180x7,1	37,200	300x300x12,5	112
180x180x8,0	41,500	300x300x14,2	126
180x180x10,0	50,700	300x300x16,0	141
180x180x12,5	61,500		

DIKDÖRTGEN PROFİLLER

DIN 2395

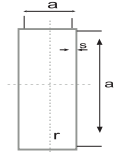


KARE VE
DIKDÖRTGEN
PROFİLLER

EBAT	1mt./Kg
20x10x0,7	0,314
20x10x0,8	0,356
20x10x0,9	0,399
20x10x1,0	0,438
20x10x1,2	0,520
20x10x1,5	0,632
25x15x0,7	0,424
25x15x0,8	0,482
25x15x0,9	0,539
25x15x1,0	0,595
25x15x1,2	0,708
25x15x1,5	0,868
25x15x2,0	1,120
25x15x2,5	1,510
30x10x0,7	0,424
30x10x0,8	0,482
30x10x0,9	0,539
30x10x1,0	0,595
30x10x1,2	0,708
30x10x1,5	0,868
30x10x2,0	1,120
30x10x2,5	1,510
30x20x0,7	0,534
30x20x0,8	0,608
30x20x0,9	0,681
30x20x1,0	0,752
30x20x1,2	0,896
30x20x1,5	1,100
30x20x2,0	1,440
30x20x2,5	1,890
30x20x3,0	1,900
40x20x0,7	0,641
40x20x0,8	0,733
40x20x0,9	0,822
40x20x1,0	0,909
40x20x1,2	1,085
40x20x1,5	1,340
40x20x2,0	1,750
40x20x2,5	2,150
40x20x3,0	2,390
40x25x0,8	0,794
40x25x0,9	0,890
40x25x1,0	0,990
40x25x1,2	1,180
40x25x1,5	1,460
40x25x2,0	1,910
40x25x2,5	2,340
40x25x3,0	2,630

EBAT	1mt./Kg
40x30x0,8	0,851
40x30x0,9	0,957
40x30x1,0	1,070
40x30x1,2	1,270
40x30x1,5	1,570
40x30x2,0	2,070
40x30x2,5	2,540
40x30x3,0	2,860
50x30x0,8	0,973
50x30x0,9	1,090
50x30x1,0	1,210
50x30x1,2	1,440
50x30x1,5	1,810
50x30x2,0	2,380
50x30x2,5	2,930
50x30x3,0	3,330
50x30x4,0	4,090
60x40x1,5	2,280
60x40x2,0	3,010
60x40x2,5	3,720
60x40x3,0	4,280
60x40x4,0	5,510
60x40x5,0	6,560
70x50x1,5	2,750
70x50x2,0	3,640
70x50x2,5	4,500
70x50x3,0	5,220
70x50x4,0	6,760
70x50x5,0	8,130
80x40x1,5	2,750
80x40x2,0	3,640
80x40x2,5	4,500
80x40x3,0	5,220
80x40x4,0	6,760
80x40x5,0	8,130
80x60x1,5	3,230
80x60x2,0	4,260
80x60x2,5	5,290
80x60x3,0	6,160
80x60x4,0	8,020
80x60x5,0	9,700
90x50x2,0	4,190
90x50x2,5	5,170
90x50x3,0	6,130
90x50x4,0	7,970
90x50x5,0	9,700
100x40x2,5	5,170
100x40x3,0	6,130

DİKDÖRTGEN PROFİLLER

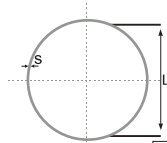


DIN 2395

EBAT	1mt./Kg
100x40x4.0	9.70
100x40x5.0	9.700
100x50x1.5	3.400
100x50x2.0	4.580
100x50x2.5	5.680
100x50x3.0	6.630
100x50x4.0	8.650
100x50x5.0	10.500
100x50x6.3	12.500
100x60x1.5	3.620
100x60x2.0	4.890
100x60x2.5	6.070
100x60x3.0	7.100
100x60x4.0	9.280
100x60x5.0	11.300
100x60x6.3	13.500
100x80x1.5	4.080
100x80x2.0	5.520
100x80x2.5	6.860
100x80x3.0	8.040
100x80x4.0	10.500
100x80x5.0	12.800
100x80x6.3	15.500
120x60x1.5	4.080
120x60x2.0	5.520
120x60x2.5	6.860
120x60x3.0	8.040
120x60x4.0	10.500
120x60x5.0	12.800
120x60x6.3	15.500
120x80x3.0	8.960
120x80x4.0	11.700
120x80x5.0	14.400
120x80x6.0	17.000
120x80x6.3	17.500
120x80x8.0	21.400
140x80x4.0	13.000
140x80x5.0	16.000
140x80x6.0	18.900
140x80x6.3	19.400
140x80x8.0	23.900
150x100x4.0	14.900
150x100x5.0	18.300
150x100x6.0	21.700
150x100x6.3	22.400
150x100x8.0	27.700
150x100x10.0	33.400
160x80x4.0	14.200

EBAT	1mt./Kg
160x80x5.0	17.500
160x80x6.0	20.700
160x80x6.3	21.400
160x80x8.0	26.400
160x80x10.0	31.800
180x100x4.0	16.800
180x100x5.0	20.700
180x100x6.0	24.500
180x100x6.3	25.400
180x100x8.0	31.400
180x100x10.0	38.100
200x100x4.0	18.000
200x100x5.0	22.300
200x100x6.0	26.400
200x100x6.3	27.400
200x100x8.0	33.900
200x100x10.0	41.300
200x120x4.0	19.300
200x120x5.0	23.800
200x120x6.0	28.300
200x120x6.3	29.300
200x120x8.0	36.500
200x120x10.0	44.400
250x150x5.0	30.100
250x150x6.0	35.800
250x150x6.3	37.200
250x150x8.0	46.500
250x150x10.0	57.000
260x180x5.0	33.200
260x180x6.3	41.200
260x180x8.0	51.500
260x180x10.0	63.200
300x100x6.0	35.800
300x100x6.3	37.200
300x100x8.0	46.500
300x100x10.0	57.000
300x150x6.0	40.500
300x150x6.3	42.200
300x150x8.0	52.800
300x150x10.0	64.800
300x200x6.0	55.700
300x200x6.3	47.900
300x200x8.0	60.300
300x200x10.0	74.500
350x250x6.0	54.700
350x250x6.3	57.000
350x250x8.0	71.600
350x250x10.0	88.400

SANAYİ BORULARI VE HASSAS BORULAR



YUVARLAK
SANAYİ BORUSU
VE DİKİDÖRTGEN
PROFİLLER

DIN 2395

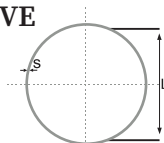
EBAT	1mt./Kg
13x1	0,296
13x1.2	0,349
13x1.5	0,425
16x1	0,370
16x1.2	0,438
16x1.5	0,536
16x2	0,690
17x2	0,740
18x1	0,419
18x1.2	0,497
18x1.5	0,610
18x2	0,789
19x1	0,440
19x1.2	0,550
19x1.5	0,647
19x2	0,838
20x1	0,468
20x1.2	0,556
20x1.5	0,684
20x2	0,877
20x2.5	1,074
21x1	0,493
21x1.2	0,586
21x1.5	0,721
21x2	0,937
21x2.5	1,141
22x1	0,518
22x1.2	0,616
22x1.5	0,758
22x2	0,986
22x2.5	1,202
25x1	0,592

EBAT	1mt./Kg
25x1.2	0.704
25x1.5	0.869
25x2	1.134
25x2.5	1.387
26x1	0.616
26x1.2	0.734
26x1.5	0.906
26x2	1.183
26x2.5	1.448
27x1.5	1.960
27x2	2.350
27x2.5	1.212
28x1	0.666
28x1.2	0.793
28x1.5	0.980
28x2	1.282
28x2.5	1.572
30x1	0.715
30x1.2	0.852
30x1.5	1.054
30x2	1.381
30x2.5	1.695
32x1	0.764
32x1.2	0.911
32x1.5	1.128
32x2	1.480
32x2.5	2.020
32x3	1.819
34x1.5	2.425
34x2	2.590
34x2.5	3.110
34x3	2.355

SANAYİ BORULARI VE HASSAS BORULAR

YUVARLAK
SANAYİ BORUSU
VE DİK DÖRTGEN
PROFİLLER

DIN 2395



EBAT	1mt./Kg
35x1	0.838
35x1.2	1.000
35x1.5	1.239
35x2	1.628
35x2.5	2.004
38x1	0.912
38x1.2	1.089
38x1.3	1.340
38x1.5	1.350
38x2	1.776
38x2.5	1.819
40x1	0.962
40x1.2	1.148
40x1.5	1.454
40x2	1.874
40x2.5	2.312
42x1.2	1.207
42x1.5	1.498
42x2	1.973
42x2.5	2.435
42x3	3,350
45x1.2	1.296
45x1.5	1.609
45x2	2.121
45x2.5	2.620
48x1.2	1,385
48x1.5	1,720
48x2	2,269
48x2.5	2.805
48x3	4.425
50x1.2	1.444
50x1.5	1.794

EBAT	1mt./Kg
50x2	2.367
50x2.5	2.928
51x1.2	1.474
51x1.5	1.831
51x2	2.417
51x2.5	2.990
55x1.2	1.592
55x1.5	1.979
55x2	2.614
55x2.5	3.236
60x1.2	1.740
60x1.5	2.160
60x2	2.861
60x2.5	3.545
60x3	5.500
63x2	3.009
70x2	3.354
70x2.5	4.161
76x2	3.650
76x2.5	4.531
76x3	5.500
80x2	3.847
80x2.5	4.778
89x2	4.291
89x2.5	5.333
89x3	6.550
90x2.5	5.394
114x2	7.010
114x2.5	5.580
114x3	8.415
114x4	11.000

SU VE GAZ BORULARI

EBAT	DIŞ ÇAP	ET KALINLIK mm	SİYAH Kg.mt.
1/2	21.3	2.65	1.22
3/4	26.9	2.65	1.58
1"	33.7	3.25	2.44
1.1/4	42.4	3.25	3.14
1.1./2	48.3	3.25	3.61
2"	60.3	3.65	5.10
2.1/2	76.1	3.65	6.51
3"	88.9	4.05	8.47
4"	114.3	4.50	12.1
5"	139.7	4.85	16.2
6"	165.1	4.85	19.2
8"	219.1	4.50	23.8
8"	219.1	5	26.4
8"	219.1	5.6	29.5
10"	273	5	33.0
10"	273	5.6	36.9
10"	273	6.3	41.4
12"	323.9	4.5	
12"	323.9	5	
12"	323.9	5.6	
12"	323.9	6.3	49.3

SU - GAZ BORUSU
VE YUVARLAK
SANAYİ
BORUSU

KAZAN BORULARI

KAZAN
BORUSU

İç/Dış Çap mm	ET KALINLIK mm	1 mt./Kg
39.5/44.5	2.5	2.600
46/51	3.0	3.600
51/57	3.0	4.000
57/63	3.0	4.500
64/70	3.0	4.950
70/76	3.0	5.450
76/83	3.25	6.460
83/89	3.25	9.100
95/102	3.75	6.850
102/108	3.75	10.200
108/114	3.75	9.700
119/127	4.0	12.200
125/133	4.0	12.700
133/140	4.0	13.500
150/159	4.5	17.200

RULO ve LEVHA SACLAR

CRS (SOĞUK SAC)

HRS (SICAK SAC)

HRP (SICAK ASİTLENMİŞ LEVHA)

EBAT	1mt./Kg
0.40x1000x2000	6.400
0.40x1000x2000	7.200
0.50x1000x2000	8.000
0.60x1000x2000	9.600
0.70x1000x2000	11.200
0.70x1200x2400	15.926
0.75x1000x2000	12.000
0.75x1000x2000	17.064
0.80x1200x2400	12.800
0.80x1000x2000	18.202
0.90x1200x2400	14.400
0.90x1200x2400	20.477
1.00x1000x2000	16.000
1.00x1200x2400	22.752
1.20x1200x2400	19.200
1.20x1000x2000	27.302
1.25x1000x2000	20.000
1.25x1000x2000	28.440
1.50x1200x2400	24.000
1.50x1200x2400	34.128
2.00x1000x2000	32.000
2.00x1200x2400	45.504
2.25x1000x2000	36.000
2.25x1200x2400	51.192
2.50x1000x2000	40.000
2.50x1200x2400	56.880
2.75x1000x2000	44.000
2.75x1200x2400	62.568
3.00x1000x2000	48.000
3.00x1200x2400	68.256
3.50x1000x2000	56.000
3.50x1200x2400	79.632
4.00x1000x2000	64.000
4.00x1200x2400	91.008
4.50x1000x2000	72.000
4.50x1200x2400	102.384
5.00x1000x2000	80.000

EBAT	1mt./Kg
5.00x1200x2400	113.760
6.00x1000x2000	96.000
6.00x1200x2400	136.512
7.00x1000x2000	112.000
7.00x1200x2400	159.264
8.00x1000x2000	126.400
3.00x1500x6000	213.300
3.50x1500x6000	248.850
4.00x1500x6000	284.400
4.50x1500x6000	319.950
5.00x1500x6000	355.500
6.00x1500x6000	426.600
7.00x1500x6000	497.700
8.00x1000x2000	126.400
8.00x1500x6000	568.800
9.00x1500x6000	639.900
10.0x1500x6000	711.000
11.0x1500x6000	782.100
12.0x1500x6000	853.200
13.0x1500x6000	924.300
14.0x1500x6000	995.400
15.0x1500x6000	1066.500
16.0x1500x6000	1137.600
17.0x1500x6000	1208.700
18.0x1500x6000	1279.800
19.0x1500x6000	1350.900
20.0x1500x6000	1422.000
22.0x1500x6000	1564.200
25.0x1500x6000	1777.500
28.0x1500x6000	1990.800
30.0x1500x6000	2133.000
32.0x1500x6000	2275.200
35.0x1500x6000	2488.500
40.0x1500x6000	2844.000
50.0x1500x6000	3555.000
60.0x1500x6000	4266.000
80.0x1500x6000	5688.000

SIYAH DKP
LEVHA
SACLAR VE
KAZAN BORUSU

GALVANİZLİ SACLAR

GALVANİZLİ
VE BAKLAVALI
SACLAR

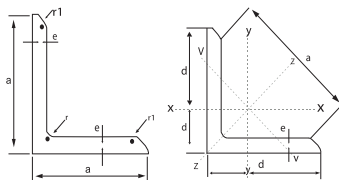
EBAT	1mt./Kg	EBAT	1mt./Kg
0.30x1000x2000	5.000	0.75x1000x2000	11.500
0.35x1000x2000	5.500	0.80x1000x2000	12.300
0.40x1000x2000	6.300	0.85x1000x2000	13.000
0.45x1000x2000	6.900	0.90x1000x2000	13.700
0.50x1000x2000	7.700	0.95x1000x2000	14.500
0.55x1000x2000	8.500	1.00x1000x2000	15.200
0.60x1000x2000	9.100	1.25x1000x2000	17.500
0.65x1000x2000	9.200	1.50x1000x2000	22.000
0.70x1000x2000	10.500	2.00x1000x2000	30.000

BAKLAVALI SACLAR

KALINLIK	Adet/Kg
2/3 1000x2000	41.2
2/3 1200x2400	59.32
3/4 1000x2000	55.00
3/4 1200x2400	79.2
4/5 1000x2000	68.7
4/5 1200x2400	98.92
5/6 1000x2000	82.5
5/6 1200x2400	118.8
5.5/7 1000x2000	96.2
5.5/7 1200x2400	138.52
6.5/8 1000x2000	110
6.5/8 1200x2400	158.4
7.5/9 1000x2000	123.7
7.5/9 1200x2400	178.12
8.5/10 1000x2000	137.5
8.5/10 1200x2400	198
2/3 1250x2500	64.38
3/4 1250x2500	85.94
4/5 1250x2500	107.35
5/6 1250x2500	150.31
5.5/7 1250x2500	128.91
6.5/8 1250x2500	171.88
7.5/9 1250x2500	193.28
8.5/10 1250x2500	214.84

KÖŞEBENTLER

TS 908
DIN 1028



CİNSİ	Km./m
20x20x3	0.880
20x25x3	1.110
30x30x3	1.360
30x30x4	1.780
35x35x4	2.090
40x40x3	1.840
40x40x4	2.420
50x50x5	3.770
50x50x6	4.470
60x60x5	4.570
60x60x6	5.420
65x65x7	6.830
65x65x9	8.620
70x70x7	7.380
75x75x6	6.870
75x75x7	7.940
80x80x8	9.630
80x80x10	11.900
90x90x9	12.200
100x100x8	12.200

CİNSİ	Km./m
100x100x10	15.000
100x100x12	17.800
110x110x10	16.600
120x120x10	18.200
120x120x11	19.900
120x120x12	21.600
150x150x12	27.300
150x150x14	31.600
150x150x15	33.800
150x150x16	35.900
160x160x15	36.200
160x160x17	40.700
180x180x15	40.900
180x180x16	43.500
180x180x18	48.600
180x180x20	53.700
200x200x16	48.500
200x200x18	54.200
200x200x20	59.900
200x200x24	71.100

KÖŞEBENTLER,
GALVANİZLİ
VE BAKLAVALI
SACLAR

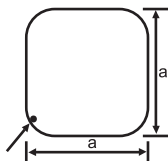
YUVARLAK DEMIRLER

YUVARLAK
DEMIRLER

<u>EBAT</u>	<u>1mt./Kg</u>	<u>EBAT</u>	<u>1mt./Kg</u>
01.00	0.006	29.00	5.185
01.50	0.014	30.00	5.549
02.00	0.025	32.00	6.313
02.50	0.039	34.00	7.127
03.00	0.055	36.00	7.990
03.50	0.099	38.00	8.903
04.00	0.076	40.00	9.865
04.50	0.125	45.00	12.485
05.00	0.154	50.00	15.413
06.00	0.222	55.00	18.650
07.00	0.302	60.00	22.195
08.00	0.395	65.00	26.050
09.00	0.499	70.00	30.210
10.00	0.617	75.00	34.680
11.00	0.746	80.00	39.458
12.00	0.888	100	61.700
13.00	1,042	105	68.000
14.00	1,208	110	74.600
15.00	1.387	115	81.500
16.00	1.578	120	88.800
17.00	1.782	125	96.300
18.00	1.988	130	104.000
19.00	2.226	135	112.000
20.00	2.466	140	121.000
21.00	2.719	145	130.000
22.00	2.984	150	139.000
23.00	3.261	160	158.000
24.00	3.551	170	178.000
25.00	3.853	180	200.000
26.00	4.163	190	223.000
27.00	4,495	200	247.000
28.00	4.834		

DÖRT KÖŞE (KARE) DEMİRLER

TS 1378
DIN 1014

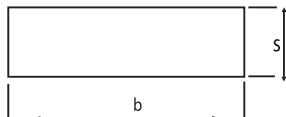


CİNSİ	Km./m	CİNSİ	Km./m
5x5	0.196	40x40	12.560
6x6	0.283	45x45	15.896
7x7	0.385	50x50	19.625
8x8	0.502	55x55	23.700
9x9	0.636	60x60	28.260
10x10	0.785	65x65	33.200
12x12	1.130	70x70	38.500
14x14	1.539	75x75	44.160
15x15	1.770	80x80	50.200
16x16	2.010	85x85	56.700
18x18	2.543	90x90	63.600
20x20	3.140	100x100	78.500
22x22	3.799	110x110	95.000
24x24	4.522	120x120	111.000
26x26	5.307	130x130	133.000
28x28	6.150	140x140	154.000
30x30	7.065	150x150	177.000
35x35	9.616		

YUVARLAK
VE KARE
DEMİRLER

LAMALAR

TS 3024
DIN 1017



LAMALAR
VE
SILMELE

EBAT	1mt./Kg
20x10	1.570
20x12	1.880
20x15	2.360
25x10	1.960
25x12	2.360
25x15	2.940
30x10	2.360
30x15	3.530
30x20	4.710
35x10	2.750
35x12	3.300
35x15	4.120
35x20	5.500
40x10	3.140
40x12	3.770
40x15	4.710
40x20	6.280
45x10	3.530
45x12	4.230
45x15	4.240
50x10	5.290
50x12	4.710
50x15	5.890
50x20	7.850
55x10	4.320
55x12	5.180
55x15	6.480
55x20	8.640
60x8	3.770
60x10	4.710
60x15	7.070
60x20	9.420
60x25	11.800
65x10	5.100
65x12	6.120
65x15	7.650
70x8	4.400

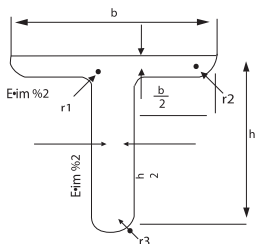
EBAT	1mt./Kg
70x10	5.500
70x12	6.590
70x15	8.240
70x20	11.000
75x10	5.890
75x12	7.070
75x15	8.830
80x10	6.280
80x12	7.540
80x15	9.420
80x20	12.600
90x10	7.070
90x12	8.480
90x15	11.600
100x10	7.850
100x12	9.420
100x15	11.800
100x20	15.700
110x10	8.640
110x12	10.400
110x15	13.000
110x20	17.300
120x10	9.420
120x12	11.300
120x15	14.100
120x20	18.800
130x10	10.200
130x12	12.200
130x15	15.300
130x20	20.400
140x10	11.000
140x12	13.200
140x15	16.500
140x20	22.000
150x10	11.800
150x12	14.100
150x15	17.700
150x20	23.600

SİLMELER

<u>EBAT</u>	<u>1mt./Kg</u>
16x3	0.360
20x3	0.470
20x5	0.780
25x5	0.981
30x5	1.180
35x5	1.370
40x5	1.570
45x5	1.770
50x5	1.960
55x5	2.160
60x5	2.360
65x5	2.550
70x5	2.750
75x5	2.940
80x5	3.140
90x5	3.530
100x5	3.930

LAMA
VE
SİLMELER

T - DEMİRLER

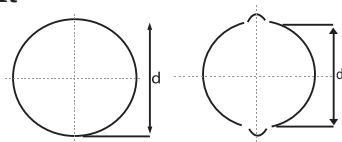
TS 911
DIN 1024

CİNSİ	Kg./m
20x20x3	0.880
25x25x3	1.250
30x30x3	1.500
30x30x4	1.870
35x35x4	1.900
40x40x4	2.240
50x50x5	3.770
50x50x6	4.440
60x60x6	5.420
60x60x7	6.230
70x70x7	8.320
80x80x8	10.675
90x90x9	13.420
100x100x11	16.400
120x120x13	23.200
140x140x15	31.300

T-DEMİRLER
NERVÜRLÜ
DEMİRLER

NERVÜRLÜ BETON ÇELİK ÇUBUKLAR

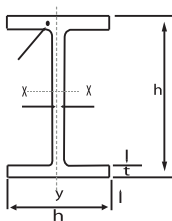
TS 708/3A



Anma Çapı (D)/(mm)	Çevre Uzunluğu (U)/(cm)	Kesit Alanı (F)/(cm ²)	Teorik Ağırlık (G)/(kg/m)
8	2,51	0.503	0.395
10	3.14	0.785	0.617
12	3.77	1.13	0.888
14	4.40	1.54	1.21
16	5.03	2.01	1.58
18	5.65	2.54	2.00
20	6.28	3.14	2.47
22	6.91	3.80	2.98
24	7.54	4.52	3.55
25	8.85	4.91	3.85
26	8.17	5.31	4.17
28	8.79	6.16	4.84
30	9.42	7.07	5.55
32	10.05	8.04	6.31
36	11.31	10.2	7.99
40	12.57	12.6	9.87

T-DEMİRLER
NERVÜRLÜ
DEMİRLER

IPE PROFİLLERİ (Ekonomik)

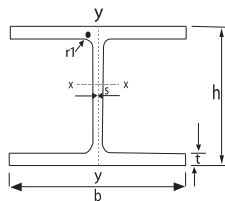


TS 910/5
DIN 1025/5

BOYUT	EBAT					
	G kg/m	h mm	b mm	t _w mm	t _f mm	r mm
80	6,0	80	46	3,8	5,2	5
100	8,1	100	55	4,1	5,7	7
120	10,4	120	64	4,4	6,3	7
140	12,9	140	73	4,7	6,9	7
160	15,8	160	82	5,0	7,4	9
180	18,8	180	91	5,3	8,0	9
200	22,4	200	100	5,6	8,5	12
220	26,2	220	110	5,9	9,2	12
240	30,7	240	120	6,2	9,8	12
270	36,1	270	135	6,6	10,2	15
300	42,2	300	150	7,1	10,7	15
330	49,1	330	160	7,5	11,5	18
360	57,1	360	170	8,0	12,7	18
400	66,3	400	180	8,6	13,5	21
450	77,6	450	190	9,4	14,6	21
500	90,7	500	200	10,2	16,0	21
550	106	550	210	11,1	17,2	24
600	122	600	220	12,0	19,0	24

IPE- HEA
DEMİRLER

HEA PROFİL



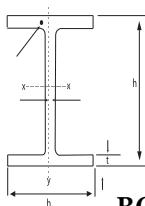
TS 910/5
DIN 1025/5

BOYUT EBAT

	G kg/m	h mm	b mm	t _w mm	t _f mm	r mm
100 A	16.7	96	100	5	8	12
120 A	19.9	114	120	5	8	12
140 A	24.7	133	140	5.5	8.5	12
160 A	30.4	152	160	6	9	15
180 A	35.5	171	180	6	9.5	15
200 A	42.3	190	200	6.5	10	18
220 A	50.5	210	220	7	11	18
240 A	60.3	230	240	7.5	12	21
260 A	68.2	250	260	7.5	12.5	24
280 A	76.4	270	280	8	13	24
300 A	88.3	290	300	8.5	14	27
320 A	97.6	310	300	9	15.5	27
340 A	105	330	300	9.5	16.5	27
360 A	112	350	300	10	17.5	27
400 A	125	390	300	11	19	27
450 A	140	440	300	11.5	21	27
500 A	155	490	300	12	23	27
550 A	166	540	300	12.5	24	27
600 A	178	590	300	13	25	27
650 A	190	640	300	13.5	26	27
700 A	204	690	300	14.5	27	27
800 A	224	790	300	15	28	30
900 A	252	890	300	16	30	30
1000 A	272	990	300	16.5	31	30

IPE- HEA
DEMİRLER

HEB PROFİL



TS 910/5
DIN 1025/5

BOYUT

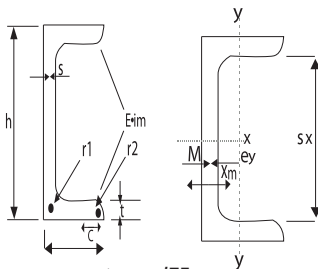
EBAT

	G kg/m	h mm	b mm	t _w mm	t _f mm	r mm
100 B	20.4	100	100	6	10	12
120 B	26.7	120	120	6.5	11	12
140 B	33.7	140	140	7	12	12
160 B	42.6	160	160	8	13	15
180 B	51.2	180	180	8.5	14	15
200 B	61.3	200	200	9	15	18
220 B	71.5	220	240	9.5	16	18
240 B	83.2	240	220	10	17	21
260 B	93.0	260	260	10	17.5	24
280 B	103	280	280	10.5	18	24
300 B	117	300	300	11	19	27
320 B	127	320	300	11.5	20.5	27
340 B	134	340	300	12	21.5	27
360 B	142	360	300	12.5	22.5	27
400 B	155	400	300	13.5	24	27
450 B	171	450	300	14	26	27
500 B	187	500	300	14.5	28	27
550 B	199	550	300	15	29	27
600 B	212	600	300	15.5	30	27
650 B	225	650	300	16	31	27
700 B	241	700	300	17	32	27
800 B	262	800	300	17.5	33	30
900 B	291	900	300	18.5	35	30
1000 B	314	1000	300	19	36	30

NPU-HEB
DEMİRLER

NPU DEMİRLER

TS 912
DIN 1026



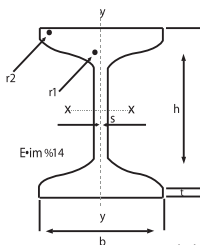
EBAT

1mt./Kg.

40x20x4.0	2.700
40x35x5.0	4.870
50x25x5.0	3.860
50x38x5.0	5.590
65x42x5.5	7.090
80x45x6.0	8.640
100x50x6.0	10.600
120x60x7.0	13.400
140x55x7.0	16.000
160x65x7.5	18.800
180x70x8.0	22.000
200x75x8.5	25.300
220x80x9.0	29.400
240x85x9.5	33.200
260x90x10.0	37.900
280x95x10.0	41.800
300x100x10.0	46.200
300x100x14.0	59.500
320x100x14.0	59.500
350x100x14.0	60.600
380x102x13.5	63.100
400x110x14.0	71.800

NPU - HEB
DEMİRLER

NPI DEMİRLER



TS 912
DIN 1026

EBAT

1mt./Kg.

80x42x3.90	5.95
100x50x4.50	8.32
120x58x5.10	11.20
140x66x5.70	14.40
160x74x6.30	17.90
180x82x6.90	21.90
200x90x7.50	26.30
220x98x8.10	31.10
240x106x8.70	36.20
260x113x9.40	41.90
280x119x10.10	48.00
300x125x10.80	54.20
320x131x11.50	61.10
340x137x12.20	68.10
360x140x13.00	76.20
280x149x13.70	84.00
400x155x14.4	92.40
450x170x16.2	115.00
500x185x18.0	141.00
600x215x21.6	199.00

NPI DEMİRLER
VE
ÇELİK HASIRLAR

ÇELİK HASIR TABLOSU

TİP

Hasır Cinsi	Cm ² /m		Kg./m ²
	Boy	En	
R 131 150.250.5.0.5.0	1.31	0.78	1.65
R 158 150.250.5.5.5.0	1.58	0.78	1.86
R 188 150.250.6.0.5.0	1.88	0.78	2.10
R 221 150.250.6.5.5.0	2.21	0.78	2.36
R 257 150.250.7.0.5.0	2.57	0.78	2.63
R 295 150.250.7.5.5.0	2.95	0.78	2.93
R 317 150.250.5.5d.5.0	3.17	0.78	3.11
R 317 150.250.7.8.5.0	3.17	0.78	3.11
R 335 150.250.8.0.5.0	3.35	0.78	3.25
R 377 150.250.6.0d.5.0	3.77	0.78	3.58
R 377 150.250.8.5.5.0	3.77	0.78	3.58
R 443 150.250.6.5d.5.5	4.43	0.95	4.22
R 443 150.250.9.19.5.5	4.43	0.95	4.22
R 513 150.250.7.0d.6.0	5.13	1.13	4.92
R 513 150.250.9.89.6.0	5.13	1.13	4.91
R 524 150.250.10.0.6.0	5.24	1.13	5.00
R 589 150.250.7.5d.6.5	5.89	1.33	5.66
R 589 150.250.10.60.6.5	5.89	1.33	5.66

NPI DEMİRLER
VE
ÇELİK HASIRLAR

ÇELİK HASIR TABLOSU

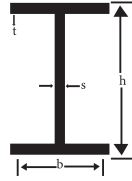
Hasır Cinsi	Cm ² /m ² Boy En		Kg./m ²
Q 131/131 150.150.5.0.5.0	1.31	1.31	2.06
Q 158/158 150.150.5.5.5.5	1.58	1.58	2.48
Q 188/188 150.150.6.0.6.0	1.88	1.88	2.96
Q 221/221 150.150.6.5.6.5	2.21	2.21	3.48
Q 257/257 150.150.7.0.7.0	2.57	2.57	4.02
Q 295/295 150.150.7.5.7.5	2.95	2.95	4.62
Q 317/188 150.150.7.8.6.0	3.17	1.88	3.97
Q 317/317 150.150.7.8.7.8	3.17	3.17	5.00
Q 335/335 150.150.8.0.8.0	3.35	3.35	5.26
Q 377/188 150.150.6.0d.6.0	3.77	1.88	4.44
Q 377/188 150.150.8.5.6.0	3.77	1.88	4.44
Q 377/377 150.150.8.5.8.5	3.77	3.77	5.94
Q 424/424 150.150.9.0.9.0	4.24	4.24	5.67
Q 443/221 150.150.6.5d.6.5	4.43	2.21	5.21
Q 443/221 150.150.9.17.6.5	4.43	2.21	5.21
Q 443/443 150.75.6.5d.6.5	4.43	4.43	6.94
Q 443/443 150.150.9.19.9.19	4.43	4.43	6.94
Q 513/513 150.75.7.0d.7.0	5.13	5.13	8.04
Q 513/513 150.150.9.89.9.89	5.13	5.13	8.06
Q 524/524 150.150.10.0.10.0	5.24	5.24	8.22
Q 589/378 150.150.7.5d.8.5	5.89	3.78	7.59
Q 589/378 150.150.10.60.8.5	5.89	3.78	7.59
Q 589/589 150.75.7.5d.7.5	5.89	5.89	9.24
Q 589/589 150.150.10.60.10.60	5.89	5.89	9.24

ÇELİK
HASIRLAR

PETEK KIRIŞ TEKNİK BİLGİLERİ

TS 910/5

DIN 1025/5

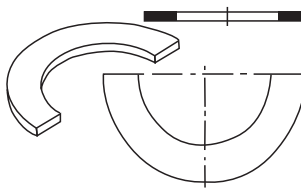


EBAT

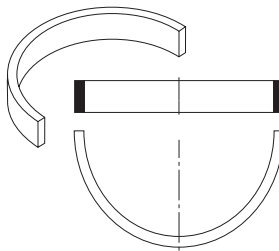
STANDART IPE	PETEK kiris	h mm	b mm	s mm	t mm	G kg/m
80	120	120	42	3.9	5.9	5.94
100	140	140	50	4.5	6.8	8.34
120	180	180	58	5.1	7.7	11.1
140	200	200	66	5.7	8.6	14.3
160	245	245	74	6.3	9.5	17.9
180	265	265	82	6.9	10.4	21.9
200	305	305	90	7.5	11.3	26.2
220	325	325	98	8.1	12.2	31.1
240	320	320	106	8.7	13.1	36
240	360	360	106	8.7	13.1	36
260	360	360	113	9.4	14.1	41.6
260	390	390	113	9.4	14.1	41.6
280	400	400	119	10.1	15.2	47.6
280	420	420	119	10.1	15.2	47.6
300	420	420	125	10.8	16.2	53.8
300	450	450	125	10.8	16.2	53.8
320	460	460	131	11.5	17.3	60.7
320	480	480	131	11.5	17.3	60.7
340	500	500	137	12.2	18.3	67.7
340	510	510	137	12.2	18.3	67.7
360	500	500	143	13	19.5	75.8
360	540	540	143	13	19.5	75.8
380	540	540	149	13.7	20.5	83.6
380	570	570	149	13.7	20.5	83.6
400	580	580	155	14.4	21.6	92
400	600	600	155	14.4	21.6	92
450	650	650	170	16.2	24.3	114.5
450	675	675	170	16.2	24.3	114.5
500	700	700	185	18	27	140.4
500	750	750	185	18	27	140.4
550	750	750	200	19	30	165.3
550	825	825	200	19	30	165.3

PETEK KIRIŞ
TEKNİK
BİLGİLERİ

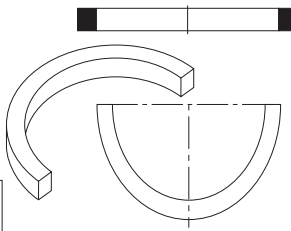
PROFİL BÜKÜM İMALAT PROGRAMI

	BÜKÜM EBATLARI	MİN. İÇ ÇAPI
	20 x 10	250
	30 x 10	300
	40 x 10	350
	60 x 10	500
	120 x 40	750
	160 x 40	1000
	300 x 90	1300
	450 x 60	2500

Kılıcına Lama Büküm

	BÜKÜM EBATLARI	MİN. İÇ ÇAPI
	40 x 15	250
	80 x 30	300
	150 x 60	650
	200 x 60	1000
	250 x 90	1200
	300 x 100	1400
	400 x 150	1600
	650 x 120	1700

Yatay Lama Büküm

	BÜKÜM EBATLARI	MİN. İÇ ÇAPI
	30 x 30	300
	50 x 50	500
	80 x 80	800
	100 x 100	1000
	120 x 120	1500
	150 x 150	1700
	200 x 200	2200
	280 x 280	2500

PROFİL
BÜKÜM

Kare Demir Büküm

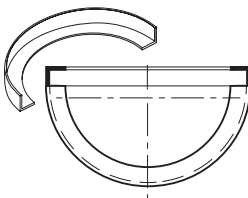
PROFİL BÜKÜM İMALAT PROGRAMI

BÜKÜM EBATLARI

MİN. İÇ ÇAPI

40 x 40 x 4	600
T50 x 50 x 5	650
60 x 60 x 6	700
80 x 80 x 8	1000
100 x 100 x 10	1500
120 x 120 x 12	1650
150 x 150 x 16	1800
200 x 200 x 26	2000

Dal İç Köşebent Büküm

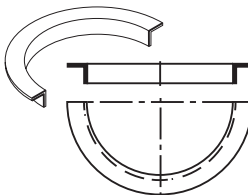


BÜKÜM EBATLARI

MİN. İÇ ÇAPI

40 x 40 x 4	500
50 x 50 x 5	550
60 x 60 x 6	600
80 x 80 x 8	750
100 x 100 x 10	1500
120 x 120 x 12	1750
150 x 150 x 16	2000
200 x 200 x 26	2500

Dal Dış Köşebent Büküm

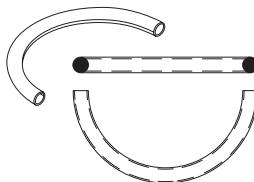


BÜKÜM EBATLARI

MİN. İÇ ÇAPI

21 x 3	200
33 x 3	300
60 x 4	700
89 x 5	750
114x7	1000
168 x 10	1500
219 x 6	4000
558 x 15	15000

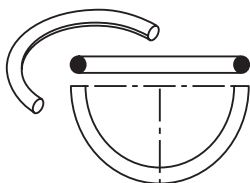
Boru Büküm



PROFİL
BÜKÜM

PROFİL BÜKÜM İMALAT PROGRAMI

Transmisyon Mil Büküm

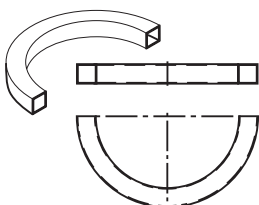


**BÜKÜM
EBATLARI**

**MİN. İÇ
ÇAPI**

30	250
40	450
50	600
80	800
100	1000
120	1500
200	2000
300	2500

Kare Profil Büküm

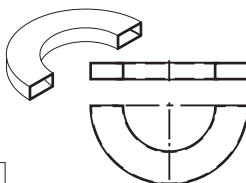


**BÜKÜM
EBATLARI**

**MİN. İÇ
ÇAPI**

40 x 20 x 2	500
50x30x2	1000
60 x 40 x 2.5	2000
80 x 40 x 3	3500
120 x 120 x 4	4500
150 x 150 x 8	6500
300 x 300 x 10	
450 x 450 x 20	

Kılıcına Profil Büküm



**BÜKÜM
EBATLARI**

**MİN. İÇ
ÇAPI**

30 x 30 x 2	500
50 x 50 x 2.5	1000
80 x 80 x 3	2000
100 x 100 x 5	3500
120 x 120 x 4	4500
150 x 150 x 8	6500
300 x 300 x 10	
450 x 450 x 20	

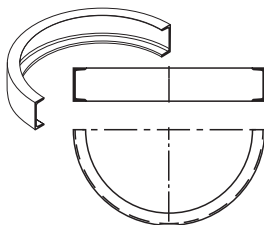
**PROFİL
BÜKÜM**

PROFİL BÜKÜM İMALAT PROGRAMI

BÜKÜM EBATLARI

MİN. İÇ ÇAPI

NPU 50	600
NPU 80	700
NPU 120	850
NPU 160	1250
NPU 200	1500
NPU 260	2500
NPU 500	3000
NPU 1000	3500

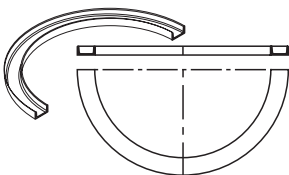


NPU Dal İç Büküm

BÜKÜM EBATLARI

MİN. İÇ ÇAPI

NPU 50	350
NPU 80	500
NPU 120	700
NPU 160	1250
NPU 200	1500
NPU 260	2000
NPU 500	3000
NPU 1000	3500

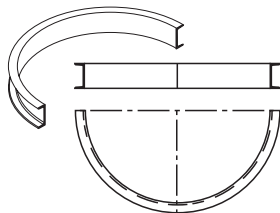


NPU Dal Dış Büküm

BÜKÜM EBATLARI

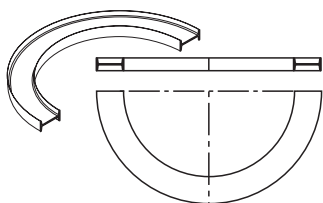
MİN. İÇ ÇAPI

NPU 50	1200
NPU 80	1600
NPU 120	2350
NPU 160	2500
NPU 200	5000
NPU 260	7000
NPU 500	10000
NPU 1000	35000



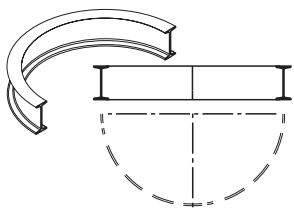
NPU Kılıcına Büküm

PROFİL BÜKÜM İMALAT PROGRAMI



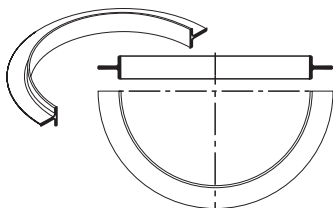
NPI Kılıcına Büküm

BÜKÜM EBATLARI	MİN. İÇ ÇAPI
NPI 80	1200
NPI 100	1600
NPI 120	2350
NPI 160	2500
NPI 240	5000
NPI 300	7000
NPI 340	10000
NPI 550	35000



NPI Yatay Büküm

BÜKÜM EBATLARI	MİN. İÇ ÇAPI
NPI 50	450
NPI 80	500
NPI 100	650
NPI 120	700
NPI 200	1300
NPI 260	1400
NPI 300	2500
NPI 1000	5000



HEB Kılıcına Büküm

BÜKÜM EBATLARI	MİN. İÇ ÇAPI
HEB 100	1600
HEB 160	2600
HEB 200	3600
HEB 240	4600
HEB 300	5500
HEB 660	7000
HEB 400	8600
HEB 550	15000