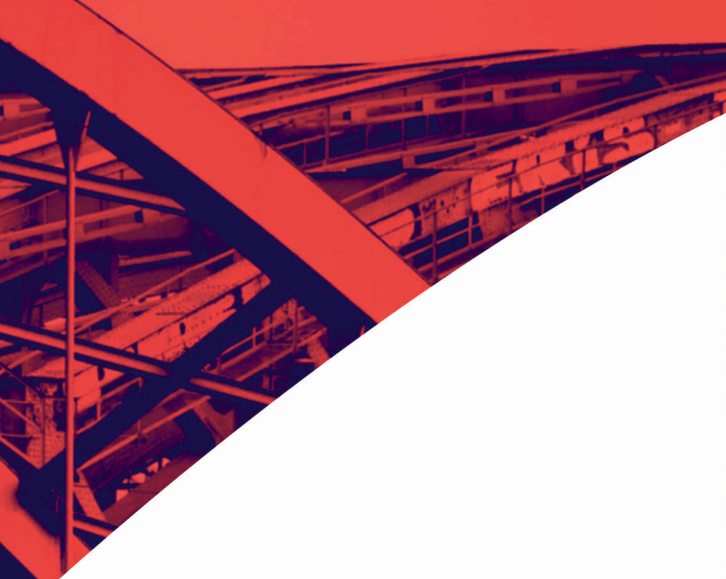




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Demir Çelik sektörünün güvenilir ismi **MOLLAOĞLU SAC ve YAPISAL ÇELİK SAN. TİC. A.Ş.**, 1986 yılından bu yana yurtiçi ve yurtdışında gerçekleştirilen dev projelere ürün tedarik eden Türkiye'nin önde gelen firmalarındandır.

Güçlü sermaye yapısı, 30 yıllık bilgi birikimi ile kaliteli ürün ve koşulsuz müşteri memnuniyeti için çalışır.

Yassı ve uzun hadde mamüllerini en iyi fiyata sunan MOLLAOĞLU SAC VE YAPISAL ÇELİK ayrıca ; **talep edilen miktarda, eksiksiz hızlı ve tek noktadan** satınalma yapmanızı sağlar. Böylece müşterilerimiz hem zamandan hem de maliyetlerinden tasarruf eder.

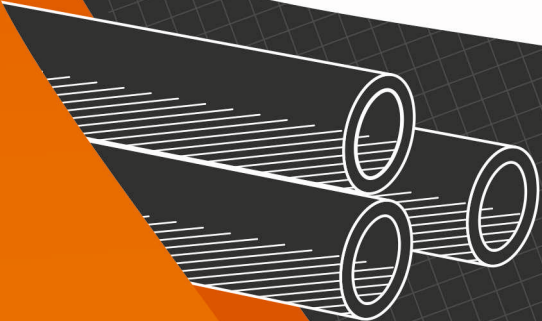
Birlikte başarmak ve başarıları paylaşmak üzere değişim ve yeniliğe inanan dinamik ekibimizle her zaman yanınızdayız.



Demir, yerkabuğunda en çok bulunan metaldir. Demir metali, demir cevherinden elde edilir. Demir, içerdği karbonun çoğunu uzaklaştırmak amacıyla dekarbürize edilmediği sürece, işlenebilmek için fazlasıyla kırılgandır.



SU ve GAZ BORUSU



SU VE GAZ BORUSU

EBAT	DIŞ ÇAP	ET KALINLIK (mm)	kg / mt
1/2"	21.30	2.65	1.22
3/4"	26.90	2.65	1.58
1"	33.70	3.25	2.44
1.1/4"	42.40	3.25	3.14
1.1/2"	48.30	3.25	3.61
2"	60.30	3.65	5.10
2.1/2"	76.10	3.65	6.51
3"	88.90	4.05	8.47
4"	114.30	4.50	12.10
5"	139.70	4.85	16.20
6"	165.10	4.85	19.20
8"	219.10	4.50	23.80
8"	219.10	5.00	26.40
8"	219.10	5.60	29.50
10"	273.00	5.00	33.00
10"	273.00	5.60	36.90
10"	273.00	6.30	41.40
12"	323.90	4.50	35.45
12"	323.90	5.00	39.32
12"	323.90	5.60	43.96
12"	323.90	6.30	49.30

KAZAN BORUSU

İÇ / DIŞ ÇAP (mm)	ET KALINLIK (mm)	kg / mt
39,5/44,5	2.50	2.60
46/51	3.00	3.60
51/57	3.00	4.00
57/63	3.00	4.50
64/70	3.00	4.95
70/76	3.00	5.45
76/83	3.25	6.46
83/89	3.25	6.85
95/102	3.75	9.10
102/108	3.75	9.70
108/114	3.75	10.20
119/127	4.00	12.20
125/133	4.00	12.70
133/140	4.00	13.50
150/159	4.50	17.20

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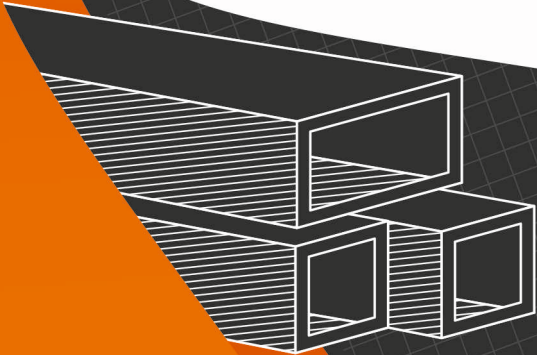
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Her ne kadar 16. yüzyıldan uzun süre önceleri çelik çeşitli etkisiz metotlarla üretilmişse de 17. yüzyılda icat edilen daha etkili üretimlerden sonra kullanımı yaygın bir hâl aldı. İlerleme sürecinde ilave edilen temel oksijen ile çelik yapımı gibi mükemmelleştirmeler üretimin maliyetini düşürürken metalin kalitesini arttırdı. Günümüzde, her yıl 1.7 milyar ton üretimi ile, çelik dünyada en çok kullanılan ortak malzemelerden birisidir. Binalarda, altyapı üretiminde, aletlerde, gemilerde, otomobillerde, aksesuarlarda ve makinelerde ana malzemedir.



KARE ve DİKDÖRTGEN PROFİL



KARE PROFİL

EBAT mm	Et Kalınlığı (mm)				
	1.5	2.0	2.5	3.0	4.0
b x h mm	Ağırlık (kg/mt)				
20x20	0.8	1.0	1.2		
25x25	1.1	1.4	1.6	1.9	
30x30	1.3	1.7	2.0	2.4	
35x35	1.5	2.0	2.4	2.8	
40x40	1.8	2.3	2.8	3.3	4.2
50x50	2.2	2.9	3.6	4.2	5.5
60x60		3.6	4.4	5.2	6.7
70x70		4.2	5.2	6.1	8.0
80x80		4.8	6.0	7.1	9.2
90x90			6.7	8.0	10.5
100x100			7.5	9.0	11.7
110x110			8.3	9.9	13.0
120x120					14.2
140x140					16.8
150x150					18.0

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KARE PROFİL

EBAT mm	Et Kalınlığı (mm)					
	5.0	6.0	6.3	8.0	10.0	12.0
bxh mm	Ağırlık (kg/mt)					
50x50	6.6	7.6	7.6			
60x60	8.1	9.4	9.6			
70x70	9.7	11.3	11.5			
80x80	11.3	13.2	13.5	16.4		
90x90	12.8	15.1	15.5	18.9		
100x100	14.4	17.0	17.5	21.4	25.6	
110x110	16.0	18.9	19.4	23.9	28.7	
120x120	17.5	20.7	21.4	26.4	31.8	
140x140	20.7	24.5	25.4	31.4	38.1	
150x150	22.3	26.4	27.4	33.9	41.3	
160x160	23.8	28.3	29.3	36.5	44.4	
180x180	27.0	32.1	33.3	41.5	50.7	
200x200	30.1	35.8	37.2	46.5	57.0	66.0
220x220		39.6	41.2	51.5	63.2	73.5
250x250		45.2	47.1	59.1	72.7	84.8
260x260		47.1	49.1	61.6	75.8	88.6
300x300		54.7	57.0	71.6	88.4	103.7
400x400		73.5	76.8	96.7	119.8	141.3

DİKDÖRTGEN PROFİL

EBAT mm	Et Kalınlığı (mm)				
	1.5	2.0	2.5	3.0	4.0
bxh mm	Ağırlık (kg/mt)				
30x10	0.8	1.0			
30x20	1.1	1.4	1.6		
40x20	1.3	1.7	2.0	2.4	
40x30	1.5	2.0	2.4	2.8	
50x20	1.5	2.0	2.4	2.8	
50x30	1.8	2.3	2.8	3.3	
50x40	2.0	2.6	3.2	3.8	4.8
60x30	2.0	2.6	3.2	3.8	4.8
60x40	2.2	2.9	3.6	4.2	5.5
75x50	2.8	3.7	4.6	5.4	7.0
80x40	2.7	3.6	4.4	5.2	6.7
80x60		4.2	5.2	6.1	8.0
90x50		4.2	5.2	6.1	8.0
100x40		4.2	5.2	6.1	8.0
100x50		4.5	5.6	6.6	8.6
100x80		5.4	6.7	8.0	10.5
120x50		5.1	6.3	7.5	9.9
120x60		5.4	6.7	8.0	10.5
120x80			7.5	9.0	11.7
140x80				9.9	13.0
160x80				10.8	14.2
150x50				9.0	11.7
150x100				11.3	14.9
180x100				12.7	16.8
180x120					18.0
200x100				13.7	18.0
200x120					19.3
250x150					24.3
260x180					
300x100					24.3

DİKDÖRTGEN PROFİL

EBAT mm	Et Kalınlığı (mm)					
	5.0	6.0	6.3	8.0	10.0	12.0
b x h mm	Ağırlık (kg/mt)					
60x40	6.6					
75x50	8.5	9.9	10.0			
80x40	8.1					
80x60	9.7	11.3	11.5			
90x50	9.7	11.3	11.5			
100x40	9.7					
100x50	10.5	12.3	12.5			
100x80	12.8	15.1	15.5	18.9		
120x50	12.1	14.2	14.5			
120x60	12.8	15.1	15.5			
120x80	14.4	17.0	17.5	21.4		
140x80	16.0	18.9	19.4	23.9		
160x80	17.5	20.7	21.4	26.4		
150x50	14.4	17.0	17.5			
150x100	18.3	21.7	22.4	27.7	33.4	
180x100	20.7	24.5	25.4	31.4	38.1	
180x120	22.3	26.4	27.4	33.9	41.3	
200x100	22.3	26.4	27.4	33.9	41.3	
200x120	23.8	28.3	29.3	36.5	44.4	
250x150	30.1	35.8	37.2	46.5	57.0	
260x180	33.2	39.6	41.2	51.5	63.2	
300x100	30.1	35.8	37.2	46.5	57.0	
300x200		45.2	47.1	59.1	72.7	84.8
350x100		40.5	42.2	52.8	64.8	
350x250		54.7	57.0	71.6	88.4	103.7
400x200		54.7	57.0	71.6	88.4	103.7
500x300		73.5	76.8	96.7	119.8	141.3

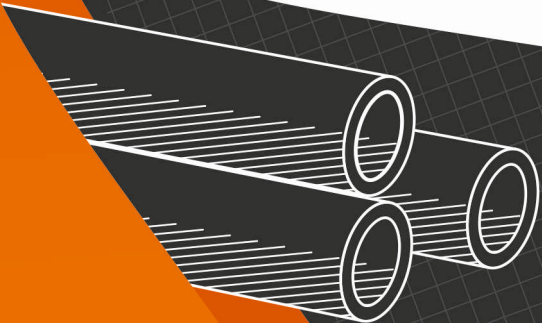


Eyfel Kulesi

Dünyanın en bilinir sembollerinden biri olan kule 1887 -1889 yılları arasında Dünya Fuarı organizasyonu için Paris'te yapılmıştır. 320 metre yüksekliğiyle o tarihten itibaren 42 yıl boyunca dünyanın en uzun yapısı olma özelliğini korumuş, sonrasında inşası tamamlanan Chrysler Gökdeleni'ne bu ünvanı devretmiştir.



SANAYİ BORUSU



SANAYİ BORUSU

DİŞ ÇAP	Kalınlık (mm)															
	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.3	7.0	8.0	9.0	10.0	
Ømm t mm	Ağırlık (kg/mt)															
Ø 21.3	0.7	1.0	1.2	1.4												
Ø 25.0	0.9	1.1	1.4	1.6												
Ø 26.9	0.9	1.2	1.5	1.8	2.0											
Ø 30.0	1.1	1.4	1.7	2.0	2.3											
Ø 33.7	1.2	1.6	1.9	2.3	2.6											
Ø 38.0	1.4	1.8	2.2	2.6	3.0	3.4										
Ø 42.4	1.5	2.0	2.5	2.9	3.4	3.8										
Ø 45.0	1.6	2.1	2.6	3.1	3.6	4.0										
Ø 48.3	1.7	2.3	2.8	3.4	3.9	4.4	4.9									
Ø 51.0	1.8	2.4	3.0	3.6	4.1	4.6	5.2	5.7								
Ø 57.0	2.1	2.7	3.4	4.0	4.6	5.2	5.8	6.4								
Ø 60.3	2.2	2.9	3.6	4.2	4.9	5.6	6.2	6.8								
Ø 63.0		3.0	3.7	4.4	5.1	5.8	6.5	7.2								
Ø 76.1		3.7	4.5	5.4	6.3	7.1	7.9	8.8								
Ø 88.9		4.3	5.3	6.4	7.4	8.4	9.4	10.3	11.3							
Ø 102.0		4.9	6.1	7.3	8.5	9.7	10.8	12.0	13.1							
Ø 108.0			6.5	7.8	9.0	10.3	11.5	12.7	13.9							
Ø 114.3			6.9	8.2	9.6	10.9	12.2	13.5	14.8	16.0						
Ø 127.0			7.7	9.2	10.7	12.1	13.6	15.0	16.5	17.9						
Ø 139.7			8.5	10.1	11.8	13.4	15.0	16.6	18.2	19.8						
Ø 152.4			9.2	11.1	12.9	14.6	16.4	18.2	19.9	21.7						
Ø 168.3				12.2	14.2	16.2	18.2	20.1	22.1	24.0	25.2	27.8	31.6			
Ø 219.1				16.0	18.6	21.2	23.0	26.4	29.0	31.5	33.1	36.6	41.6	46.6		
Ø 273.0						26.5	29.8	33.0	36.3	39.5	41.4	45.9	52.3	58.6	64.9	
Ø 323.9						31.6	35.4	39.3	43.2	47.0	49.3	54.7	62.3	69.9	77.4	

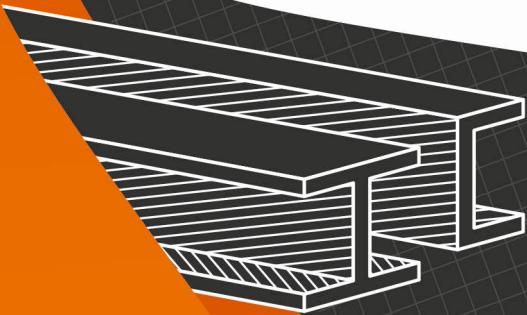
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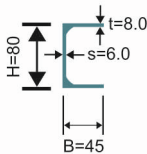
NPU - NPI



NPU

H	B	S	T	KG/MT
40X20	20.00	5.00	5.50	2.9
40X35	35.00	5.00	7.00	4.9
50X25	25.00	5.00	6.00	3.9
50X38	38.00	5.00	7.00	5.6
65	42.00	5.50	7.50	7.09
80	45.00	6.00	8.00	8.64
100	50.00	6.00	8.50	10.60
120	55.00	7.00	9.00	13.40
140	60.00	7.00	10.00	16.00
160	65.00	7.50	10.50	18.80
180	70.00	8.00	11.00	22.00
200	75.00	8.50	11.50	25.30
220	80.00	9.00	12.50	29.40
240	85.00	9.50	13.00	33.20
260	90.00	10.00	14.00	37.90
280	95.00	10.00	15.00	41.80
300	100.00	10.00	16.00	46.20
400	110.00	14.00	18.00	71.80

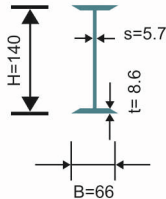
UPN 80



NPI

H	B	S	T	KG/MT
80	42.00	3.90	5.90	5.95
100	50.00	4.50	6.80	8.32
120	58.00	5.10	7.70	11.20
140	66.00	5.70	8.60	14.40
160	74.00	6.30	9.50	17.90
180	82.00	6.90	10.40	21.90
200	90.00	7.50	11.30	26.30
220	98.00	8.10	12.20	31.10
240	106.00	8.70	13.10	36.20
260	113.00	9.40	14.10	41.90
280	119.00	10.10	15.20	48.00
300	125.00	10.80	16.20	54.20
320	131.00	11.50	17.30	61.10
340	137.00	12.20	18.30	68.10
360	143.00	13.00	19.50	76.20
380	149.00	13.70	20.50	84.00
400	155.00	14.40	21.60	92.40
500	185.00	18.00	27.00	141.00
600	215.00	21.60	32.40	199.00

IPN 140





Brooklyn Bridge

New York'un simgelerinden biri olan Brooklyn Köprüsü ilk çelik kablolu asma köprülerden biri olma özelliğini taşır. Kullanılan çelik o kadar kalın ve mimarisi dönemine nazaran o kadar zordur ki yapımına başlanmasından 10 yıl sonra, 1869 yılında tamamlanabilmiştir.



SICAK SAC

SICAK SAC

TABLO 1 (EN / BOY)

KALINLIK	KG / M2	1000x2000	1200x2400	1250x2500	1500x3000	1500x6000	1500x12000	2000x6000	2000x8000
1.5	11.78	24	34	37	53	106	212		
2	15.70	31	45	49	71	141	283		
2.5	19.62	39	57	61	88	177	353		
3	23.55	47	68	74	106	212	424		
4	31.40	63	90	98	141	283	565	377	502
5	39.25	79	113	123	177	353	707	471	628
6	47.10	94	136	147	212	424	848	565	754
7	54.95	110	158	172	247	495	989	659	879
8	62.80	126	181	196	283	565	1,130	754	1,005
9	70.65	141	203	221	318	636	1,272	848	1,130
10	78.50	157	226	245	353	707	1,413	942	1,256
11	86.35	173	249	270	389	777	1,554	1,036	1,382
12	94.20	188	271	294	424	848	1,696	1,130	1,507
13	102.05	204	294	319	459	918	1,837	1,225	1,633
14	109.90	220	317	343	495	989	1,978	1,319	1,758
15	117.75	236	339	368	530	1,060	2,120	1,413	1,884
16	125.60	251	362	393	565	1,130	2,261	1,507	2,010

SICAK SAC

TABLO 2 (EN / BOY)

KALINLIK	1200x2400	1250x2500	1500x3000	1500x5000	1500x12000	2000x6000	2000x8000	2000x12000	2500x12000	3000x12000
18	407	442	636	1,272	2,543	1,696	2,261	3,391	4,239	5,087
20	452	491	707	1,413	2,826	1,884	2,512	3,768	4,710	5,562
22	497	540	777	1,554	3,109	2,072	2,763	4,145	5,181	6,217
25	565	613	883	1,766	3,533	2,355	3,140	4,710	5,888	7,065
30	678	736	1,060	2,120	4,239	2,826	3,768	5,652	7,065	8,478
32	723	785	1,130	2,261	4,522	3,014	4,019	6,029	7,536	9,043
35	791	859	1,236	2,473	4,946	3,297	4,396	6,594	8,243	9,871
40	904	981	1,413	2,826	5,652	3,768	5,024	5,36	9,420	11,304
45	1,017	1,104	1,590	3,179	6,359	4,239	5,652	8,478	10,598	12,717
50	1,130	1,227	1,766	3,533	7,065	4,710	6,280	9,420	11,775	14,130
55	1,243	1,349	1,943	3,886	7,772	5,181	6,908	10,362	12,953	
60	1,356	1,472	2,120	4,239	8,478	5,652	7,536	11,304	14,130	
70	1,583	1,717	2,473	4,946	9,891	6,594	8,792	13,188		
80	1,809	1,963	2,826	5,652	11,304	7,536	10,048			
90	2,035	2,208	3,179	6,359	12,717	8,478	11,304			
100	2,261	2,453	3,533	7,065	14,130	9,420	12,560			
110	2,487	2,698	3,886	7,772		10,362				
120	2,713	2,944	4,239	8,478		11,304				
130	2,939	3,189	4,592	9,185		12,246				
150	3,391	3,680	5,299	10,598		14,130				
200	4,522	4,906	7,065	14,130		18,840				



Seagram Tower

New York'ta bulunun Seagram Kulesi 1957 yılında modern ve fonksiyonel mimarinin güzel bir örneği olarak tamamlanmıştır. Çelik konstrüksiyondan oluşan yapının kaplamasında beton yerine cam kullanılarak şeffaf bir görünüm yaratılmıştır. Cam duvarlarda üç farklı pozisyonda kullanılan çerçevelerle panjur etkisi elde edilmiştir.



- DKP SAC
- GALVANİZ SAC

DKP SAC

EBAT	KG / ADET
0,40x1000x2000	6.40
0,50x1000x2000	8.00
0,60x1000x2000	9.60
0,70x1000x2000	11.20
0,70x1200x2400	16.13
0,80x1000x2000	12.80
0,80x1200x2400	18.43
0,90x1000x2000	14.40
0,90x1200x2400	20.74
1,00x1000x2000	16.00
1,00x1200x2400	23.04
1,20x1000x2000	19.20
1,20x1200x2400	24.65
1,50x1000x2000	24.00
1,50x1200x2400	34.56
2,00x1000x2000	32.00
2,00x1200x2400	49.08

Kitapçıkta bulunmayan ürün çeşitleri
ve birim ağırlıkları için telefon
veya internet sitemiz aracılığıyla
bizimle irtibata geçebilirsiniz.

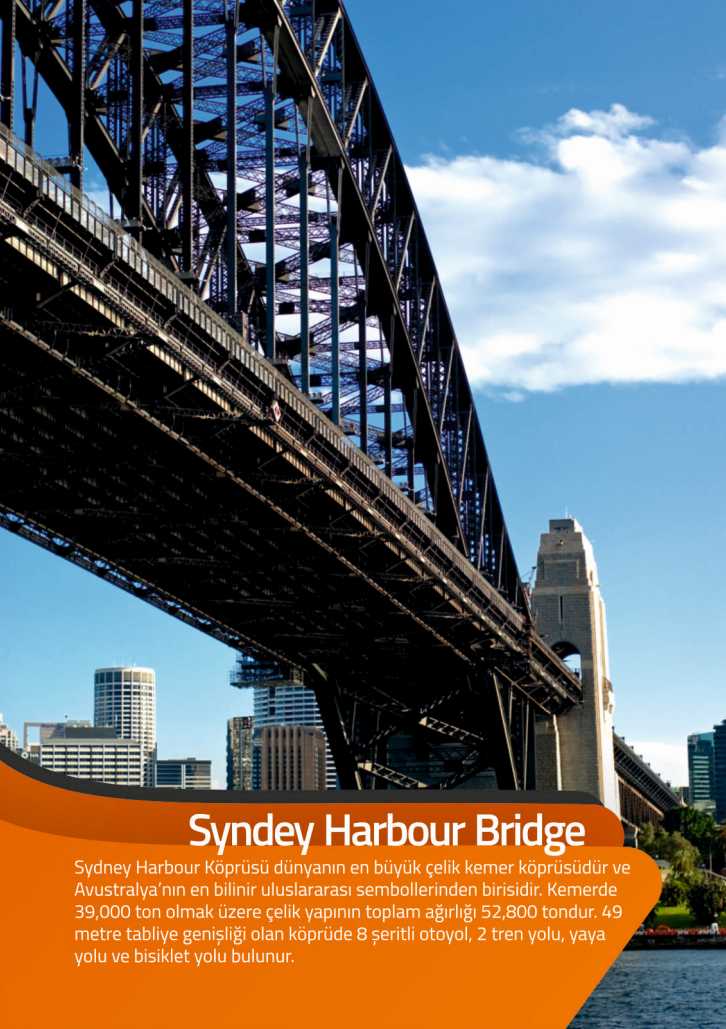
@ satis@mollaoglusteel.com

GALVANİZ SAC

EBAT	KG / ADET
0,30x1000x2000	5.00
0,35x1000x2000	5.50
0,40x1000x2000	6.30
0,45x1000x2000	6.90
0,50x1000x2000	7.70
0,55x1000x2000	8.50
0,60x1000x2000	9.10
0,65x1000x2000	9.20
0,70x1000x2000	10.50
0,75x1000x2000	11.50
0,80x1000x2000	12.30
0,85x1000x2000	13.00
0,90x1000x2000	13.70
0,95x1000x2000	14.50
1,00x1000x2000	15.20
1,25x1000x2000	17.50
1,50x1000x2000	22.00
2,00x1000x2000	30.00

Kitapçıkta bulunmayan ürün çeşitleri
ve birim ağırlıkları için telefon
veya internet sitemiz aracılığıyla
bizimle irtibata geçebilirsiniz.

@ satis@mollaoglusteel.com

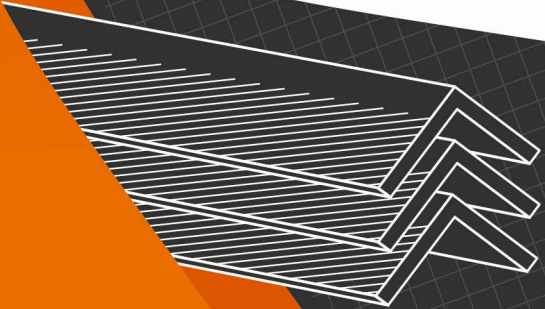


Sydney Harbour Bridge

Sydney Harbour Köprüsü dünyanın en büyük çelik kemer köprüsüdür ve Avustralya'nın en bilinir uluslararası sembollerinden birisidir. Kemerde 39,000 ton olmak üzere çelik yapının toplam ağırlığı 52,800 tondur. 49 metre tabliye genişliği olan köprüde 8 şeritli otoyol, 2 tren yolu, yaya yolu ve bisiklet yolu bulunur.



- KÖŞEBENT
- BAKALVALI SAC





Empire State Building

1931 yılında yapımı tamamlanan Empire State Kulesi 40 yıl boyunca dünyanın en uzun gökdeleni ünvanını taşımıştır. Yalnızca çelik konstrüksiyonunun ağırlığı 57,000 ton olan kule yapım yılına göre inanılmaz bir biçimde sadece 13 ayda tamamlanmıştır.

KÖŞEBENT

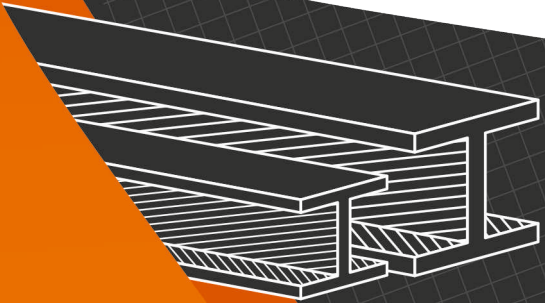
Lxt mm	Birim Ağırlık kg/m	Lxt mm	Birim Ağırlık kg/m	Lxt mm	Birim Ağırlık kg/m	Lxt mm	Birim Ağırlık kg/m	Lxt mm	Birim Ağırlık kg/m
20x3	0.88	50x4	3.06	70x11	11.20	100x7	10.70	140x13	27.50
20x4	1.14	50x5	3.77	75x5	5.76	100x8	12.20	140x15	31.40
25x3	1.11	50x6	4.47	75x6	6.85	100x10	15.00	140x17	35.30
25x4	1.45	55x5	4.18	75x7	7.93	100x12	17.80	150x12	27.30
25x5	1.77	55x6	4.95	75x8	8.99	100x14	20.60	150x14	31.60
30x3	1.36	55x7	5.71	75x10	11.10	100x15	21.90	150x15	33.80
30x4	1.78	60x4	3.70	75x12	13.10	100x16	23.20	150x16	35.90
30x5	2.18	60x5	4.57	80x6	7.34	100x20	28.40	150x18	40.10
35x3	1.60	60x6	5.42	80x7	8.49	110x10	16.60	160x15	36.20
35x4	2.09	60x7	6.26	80x8	9.63	110x12	19.70	160x17	40.70
35x5	2.57	65x5	4.98	80x9	10.80	110x14	22.80	180x16	43.50
40x3	1.84	65x6	5.91	80x10	11.90	120x8	14.70	180x18	48.60
40x4	2.42	65x7	6.83	80x12	14.10	120x10	18.20	180x20	53.70
40x5	2.97	65x8	7.73	90x6	8.25	120x11	19.90	180x22	58.60
40x6	3.52	65x9	8.62	90x8	10.90	120x12	21.60	200x16	48.50
45x3	2.09	70x5	5.37	90x9	12.20	120x13	23.50	200x18	54.20
45x4	2.74	70x6	6.38	90x10	13.40	120x15	26.60	200x20	59.90
45x5	3.38	70x7	7.38	90x11	14.70	130x12	26.50	200x24	71.10
45x6	4.00	70x8	8.36	90x13	17.10	130x14	27.20	200x28	82.00
50x3	2.33	70x9	9.37	100x6.5	9.90	130x16	30.80	250x20	75.60

BAKLAVALI SAC

Kalınlık mm	Ebat mm	Birim Ağırlık kg/m	
		Baklava	Gözyaşı
1.5/2.5	1000x2000	31.15	27.55
1.5/2.5	1219x2400	46.15	40.30
1.5/2.5	1250x2500	49.30	43.05
2/3	1000x2000	39.40	35.40
2/3	1219x2400	57.63	51.78
2/3	1250x2500	61.56	55.31
3/4	1000x2000	55.10	51.10
3/4	1250x2400	80.60	74.75
3/4	1250x500	110.83	104.33
4/5	1000x2000	70.80	66.80
4/5	1219x2400	103.57	97.52
4/5	1250x2500	110.83	104.38
5/6	1000x2000	86.50	82.50
5/6	1219x2400	126.53	120.68
5/6	1250x2500	135.16	128.91
6/7	1000x2000	102.20	98.20
6/7	1219x2400	149.50	143.65
6/7	1250x2500	159.69	153.44
7/8	1000x2000	117.90	113.60
7/8	1219x2400	172.46	166.61
7/8	1250x2500	184.22	177.97
8/9	1000x2000	133.60	129.60
8/9	1219x2400	195.43	189.58
8/9	1250x2500	208.75	202.50
9/10	1000x2000	149.30	145.30
9/10	1219x2400	218.40	212.54
9/10	1250x2500	233.28	227.03
10/11	1000x2000	165.00	161.00
10/11	1219x2400	241.36	235.51
10/11	1250x2500	257.81	251.56

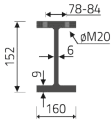


- HEA PROFİL
- HEB PROFİL

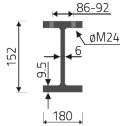


HEA PROFİL

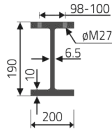
HE 160 A



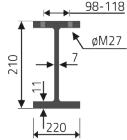
HE 180 A



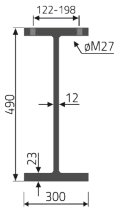
HE 200 A



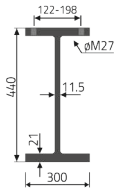
HE 220 A



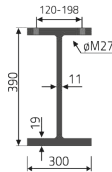
HE 500 A



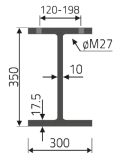
HE 450 A



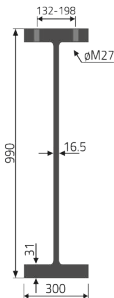
HE 400 A



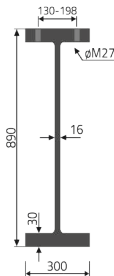
HE 360 A



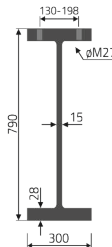
HE 1000 A



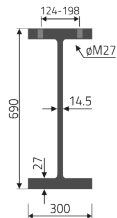
HE 900 A



HE 800 A

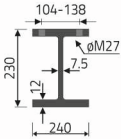


HE 700 A

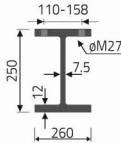


HEA PROFİL

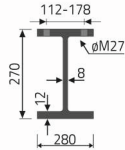
HE 240 A



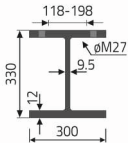
HE 260 A



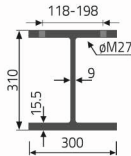
HE 280 A



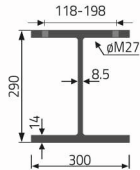
HE 340 A



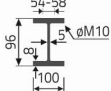
HE 320 A



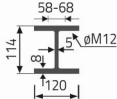
HE 300 A



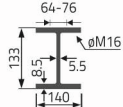
HE 100 A



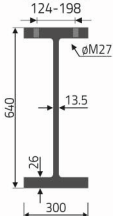
HE 120 A



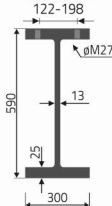
HE 140 A



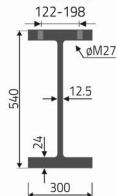
HE 650 A



HE 600 A



HE 550 A



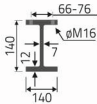
HEA PROFİL

EBAT								
BOYUT	G	h	B	tw	tf	r	1 Çubuk Ağırlığı kg/12,1 mt	1 Ton İçin Toplam Metraj
100A	16.70	96.00	100.00	5.00	8.00	12.00	202	60
120A	19.90	114.00	120.00	5.00	8.00	12.00	241	50
140A	24.70	133.00	140.00	5.50	8.50	12.00	299	40
160A	30.40	152.00	160.00	6.00	9.00	15.00	368	33
180A	35.50	171.00	180.00	6.00	9.50	15.00	430	28
200A	42.30	190.00	200.00	6.50	10.00	18.00	512	24
220A	50.50	210.00	220.00	7.00	11.00	18.00	611	20
240A	60.30	230.00	240.00	7.50	12.00	21.00	730	17
260A	68.20	250.00	260.00	7.50	12.50	24.00	825	15
280A	76.40	270.00	280.00	8.00	13.00	24.00	924	13
300A	88.30	290.00	300.00	8.50	14.00	27.00	1,068	11
320A	97.60	310.00	300.00	9.00	15.50	27.00	1,181	10
340A	105.00	330.00	300.00	9.50	16.50	27.00	1,271	10
360A	112.00	350.00	300.00	10.00	17.50	27.00	1,355	9
400A	125.00	390.00	300.00	11.00	19.00	27.00	1,513	8
450A	140.00	440.00	300.00	11.50	21.00	27.00	1,694	7
500A	155.00	490.00	300.00	12.00	23.00	27.00	1,876	6
550A	166.00	540.00	300.00	12.50	24.00	27.00	2,009	6
600A	178.00	590.00	300.00	13.00	25.00	27.00	2,154	6
650A	190.00	640.00	300.00	13.50	26.00	27.00	2,299	5
700A	204.00	690.00	300.00	14.50	27.00	27.00	2,468	5
800A	224.00	790.00	300.00	15.00	28.00	30.00	2,710	4

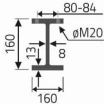
İFADE ADI	AÇIKLAMA
G	Birim Ağırlık
h	Yükseklik
B	Genişlik
tw	Gövde Kalınlığı
tf	Flanş Kalınlığı
r	Flanş Kalınlığı İç Köşe Yarı Çapı

HEB PROFİL

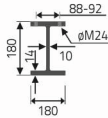
HE 140 B



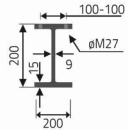
HE 160 B



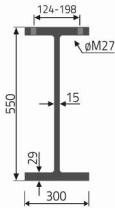
HE 180 B



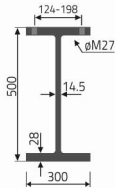
HE 200 B



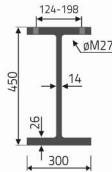
HE 550 B



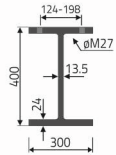
HE 500 B



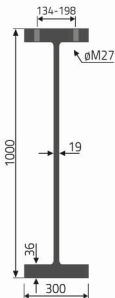
HE 450 B



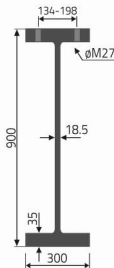
HE 400 B



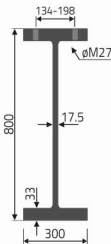
HE 1000 B



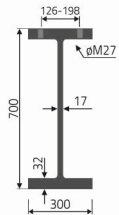
HE 900 B



HE 800 B

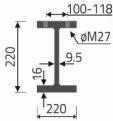


HE 700 B

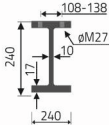


HEB PROFİL

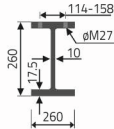
HE 220 B



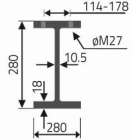
HE 240 B



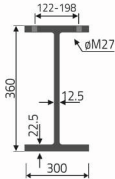
HE 260 B



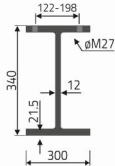
HE 280 B



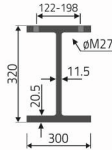
HE 360 B



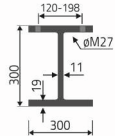
HE 340 B



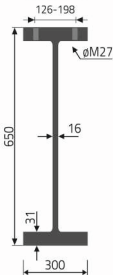
HE 320 B



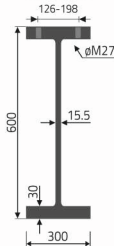
HE 300 B



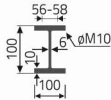
HE 650 B



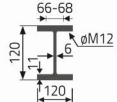
HE 600 B



HE 100 B



HE 120B



HEB PROFİL

EBAT								
BOYUT	G kg/mt	h mm	B mm	tw mm	tf mm	r mm	1 Çubuk Ağ. kg/12,1 mt	1 Ton İçin Toplam Metraj
100B	20.40	100.00	100.00	6.00	10.00	12.00	247	49
120B	26.70	120.00	120.00	6.50	11.00	12.00	323	37
140B	33.70	140.00	140.00	7.00	12.00	12.00	408	30
160B	42.60	160.00	160.00	8.00	13.00	15.00	515	23
180B	51.20	180.00	180.00	8.50	14.00	15.00	620	20
200B	61.20	200.00	200.00	9.00	15.00	18.00	712	16
220B	71.50	220.00	220.00	9.50	16.00	18.00	865	14
240B	83.20	240.00	240.00	10.00	17.00	21.00	1,007	12
260B	93.00	260.00	260.00	10.00	17.50	24.00	1,125	11
280B	103.00	280.00	280.00	10.50	18.00	24.00	1,246	10
300B	117.00	300.00	300.00	11.00	19.00	27.00	1,416	9
320B	127.00	320.00	300.00	11.50	20.50	27.00	1,537	8
340B	134.00	340.00	300.00	12.00	21.50	27.00	1,621	7
360B	142.00	360.00	300.00	12.50	22.50	27.00	1,718	7
400B	155.00	400.00	300.00	13.50	24.00	27.00	1,876	6
450B	171.00	450.00	300.00	14.00	26.00	27.00	2,069	6
500B	187.00	500.00	300.00	14.50	28.00	27.00	2,263	5
550B	199.00	550.00	300.00	15.00	29.00	27.00	2,408	5
600B	212.00	600.00	300.00	15.50	30.00	27.00	2,565	5
650B	225.00	650.00	300.00	16.00	31.00	27.00	2,723	4
700B	241.00	700.00	300.00	17.00	32.00	27.00	2,916	4
800B	262.00	800.00	300.00	17.50	33.00	30.00	3,170	4

İFADE ADI	AÇIKLAMA
G	Birim Ağırlık
h	Yükseklik
B	Genişlik
tw	Gövde Kalınlığı
tf	Flanş Kalınlığı
r	Flanş Kalınlığı İç Köşe Yarı Çapı

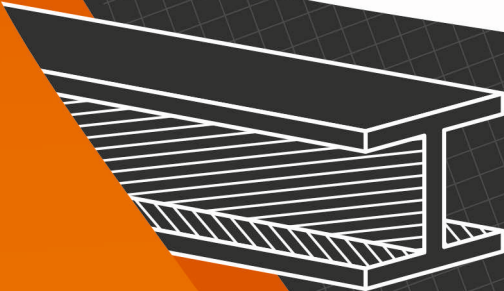


Pekin Ulusal Stadyumu

Pekin Ulusal Stadyumu, bir diğerk bilinen adıyla Kuş Yuvası'nın yapımı 5 yıl sürmüş ve Çin'de düzenlenen 2008 Olimpiyat Oyunlarının merkezi olarak hizmete girmiştir. Mimari bir harika olarak tanımlanan stadyumun yapımında 42,000 ton çelik kullanılmıştır. Dünyanın en büyük çelik yapısı ünvanını taşımaktadır.

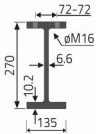


IPE PROFİL

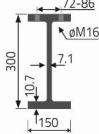


IPE PROFIL

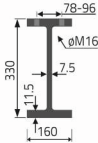
IPE 270



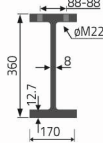
IPE 300



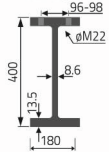
IPE 330



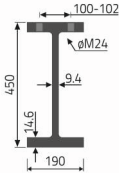
IPE 360



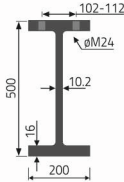
IPE 400



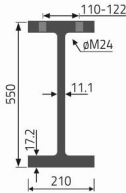
IPE 450



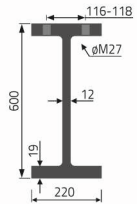
IPE 500



IPE 550



IPE 600



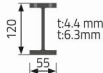
IPE 80



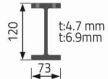
IPE 100



IPE 120



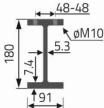
IPE 140



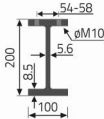
IPE 160



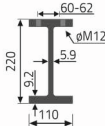
IPE 180



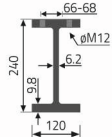
IPE 200



IPE 220



IPE 240



IPE PROFİL

EBAT								
BOYUT	G kg/mt	h mm	B mm	tw mm	tf mm	r mm	1 Çubuk Ağırlığı kg/12,1 mt	1 Ton İçin Toplam Metraj
100	8.10	100.00	55.00	4.10	5.70	7.00	98	123
120	10.40	120.00	64.00	4.40	6.30	7.00	126	96
140	12.90	140.00	73.00	4.70	6.90	7.00	156	78
160	15.80	160.00	82.00	5.00	7.40	9.00	191	63
180	18.80	180.00	91.00	5.30	8.00	9.00	227	53
200	22.40	200.00	100.00	5.60	8.50	12.00	271	45
220	26.20	220.00	110.00	5.90	9.20	12.00	317	38
240	30.70	240.00	120.00	6.20	9.80	15.00	371	33
270	36.10	270.00	135.00	6.60	10.20	15.00	437	28
300	42.20	300.00	150.00	7.10	10.70	15.00	511	24
330	49.10	330.00	160.00	7.50	11.50	18.00	594	20
360	57.10	360.00	170.00	8.00	12.70	18.00	691	18
400	66.30	400.00	180.00	8.60	13.50	21.00	802	15
450	77.60	450.00	190.00	9.40	14.60	21.00	939	13
500	90.70	500.00	200.00	10.20	16.00	21.00	1,097	11
550	106.00	550.00	210.00	11.10	17.20	24.00	1,283	9
600	122.00	600.00	220.00	12.00	19.00	24.00	1,476	8
750X147	173.00	753.00	265.00	13.20	17.00	17.00	1,779	7

İFADE ADI	AÇIKLAMA
G	Birim Ağırlık
h	Yükseklik
B	Genişlik
tw	Gövde Kalınlığı
tf	Flanş Kalınlığı
r	Flanş Kalınlığı İç Köşe Yarı Çapı

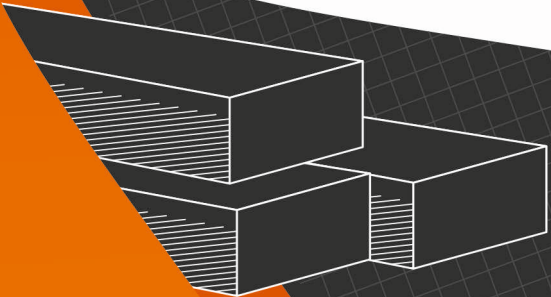


Burj Khalifa

Dünyanın en uzun yapısı olan Burj Khalifa 829.8 metre yüksekliğe sahiptir. Kullanılacak çelik miktarını azaltmak amacıyla sarmal boru şeklinde tasarlanan yapıda 165 kat, 11 hektar park alanı ve 275 metre uzunluğunda süs havuzu bulunmaktadır. Yapıda kullanılan 31,400 metrik ton nervürlü çelik uc uca eklense dünyanın etrafında çeyrek turluk mesafe kat edebilir.



LAMA - SİLME



LAMA - SİLME

L Genişlik (mm) t Kalınlık (mm)

L \ t		Birim Ağırlık kg/m																		
		3	4	5	6	7	8	10	12	14	15	16	18	20	22	25	30	35	40	50
10		0.24	0.31	0.39	0.47	0.55	0.63													
12		0.28	0.38	0.47	0.57	0.66	0.75	0.94												
14		0.33	0.44	0.55	0.66	0.77	0.88	1.10	1.32											
15		0.35	0.47	0.59	0.71	0.82	0.94	1.18	1.41											
16		0.38	0.50	0.63	0.75	0.88	1.00	1.26	1.51	176										
18		0.42	0.57	0.71	0.85	0.99	1.13	1.41	1.70	1.98	2.12	2.26								
20		0.47	0.63	0.79	0.94	1.10	1.26	1.57	1.88	2.20	2.36	2.51	2.83							
22		0.52	0.69	0.86	1.04	1.21	1.38	1.73	2.07	2.42	2.59	2.76	3.11	3.45						
25		0.59	0.79	0.98	1.18	1.37	1.57	1.96	2.36	2.75	2.94	3.14	3.53	3.93	4.32					
30		0.71	0.94	1.18	1.41	1.65	1.88	2.36	2.83	3.30	3.53	3.77	4.24	4.71	5.18	5.89				
35		0.82	1.10	1.37	1.65	1.92	2.20	2.75	3.30	3.85	4.12	4.40	4.95	5.50	6.04	6.87				
40		0.94	1.26	1.57	1.88	2.20	2.51	3.14	3.77	4.40	4.71	5.02	5.65	6.28	6.91	7.85	9.42	10.99		
45		1.06	1.41	1.77	2.12	2.47	2.83	3.53	4.24	4.95	5.30	5.65	6.36	7.07	7.77	8.83	10.60	12.36	14.13	
50		1.18	1.57	1.96	2.36	2.75	3.14	3.93	4.71	5.50	5.89	6.28	7.07	7.85	8.64	9.81	11.78	13.74	15.70	
55		1.30	1.73	2.16	2.59	3.02	3.45	4.32	5.18	6.04	6.48	6.91	7.77	8.64	9.50	10.79	12.95	15.11	17.27	
60		1.41	1.88	2.36	2.83	3.30	3.77	4.71	5.65	6.59	7.07	7.54	8.48	9.42	10.36	11.78	14.13	16.49	18.64	23.55
65		1.53	2.04	2.55	3.06	3.57	4.08	5.10	6.12	7.14	7.65	8.16	9.18	10.21	11.23	12.76	15.31	17.86	20.41	25.51
70		1.65	2.20	2.75	3.30	3.85	4.40	5.50	6.59	7.69	8.24	8.79	9.89	10.99	12.09	13.74	16.49	19.23	21.98	27.48
75		1.77	2.36	2.94	3.53	4.12	4.71	5.89	7.07	8.24	8.83	9.42	10.60	11.78	12.95	14.72	17.66	20.61	23.55	29.44
80		1.88	2.51	3.14	3.77	4.40	5.02	6.28	7.54	8.79	9.42	10.05	11.30	12.56	13.82	15.70	18.84	21.98	25.12	31.40

LAMA - SİLME

L Genişlik (mm) t Kalınlık (mm)

		Birim Ağırlık kg/m																		
L	t	3	4	5	6	7	8	10	12	14	15	16	18	20	22	25	30	35	40	50
90		2.12	2.83	3.53	4.24	4.95	5.65	7.07	8.48	9.89	10.60	11.30	12.72	14.13	15.54	17.66	21.20	24.73	28.26	35.33
100		2.36	3.14	3.93	4.71	5.50	6.28	7.85	9.42	10.99	11.78	12.56	14.13	15.70	17.27	19.63	23.55	27.48	31.40	39.25
110		2.59	3.45	4.32	5.18	6.04	6.91	8.64	10.36	12.09	12.95	13.82	15.54	17.27	19.00	21.59	25.91	30.22	34.54	43.18
120		2.83	3.77	4.71	5.65	6.59	7.54	9.42	11.30	13.19	14.13	15.07	16.96	18.84	20.72	23.55	28.26	32.97	37.68	47.10
130		3.06	4.08	5.10	6.12	7.14	8.16	10.21	12.25	14.29	15.31	16.33	18.37	20.41	22.45	25.51	30.62	35.72	40.82	51.03
140		3.30	4.40	5.50	6.59	7.69	8.79	10.99	13.19	15.39	16.49	17.58	19.78	21.98	24.18	27.48	32.97	38.47	43.96	54.95
150		3.53	4.71	5.89	7.07	8.24	9.42	11.78	14.13	16.49	17.66	18.84	21.20	23.55	25.91	29.44	35.33	41.21	47.10	58.88
160		3.77	5.02	6.28	7.54	8.79	10.05	12.56	15.07	17.58	18.84	20.10	22.61	25.12	27.63	31.40	37.68	43.96	50.24	62.80
170		4.00	5.34	6.67	8.01	9.34	10.68	13.35	16.01	18.68	20.02	21.35	24.02	26.69	29.36	33.36	40.04	46.71	53.38	66.73
180		4.24	5.65	7.07	8.48	9.89	11.30	14.13	16.96	19.78	21.20	22.61	25.43	28.26	31.09	35.33	42.39	49.46	56.52	70.65
200		4.71	6.28	7.85	9.42	10.99	12.56	15.70	18.84	21.98	23.55	25.12	28.26	31.40	34.54	39.25	47.10	54.95	62.80	78.50

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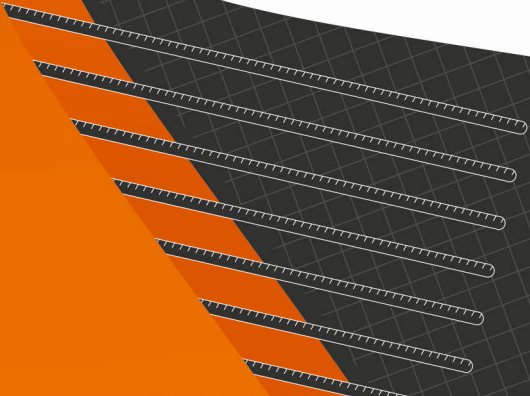


Taipei 101

509 metre yüksekliğindeki Taipei 101, çeliğin gücünü ve dayanıklılığını gösteren en güzel eserlerden biri. İçinde 61 tane asansör bulunan yapı Discovery Channel tarafından "Mühendisliğin Yedi Harikasından Biri" seçilmiştir.



NERVÜRLÜ BETON ÇELİK ÇUBUK



NERVÜRLÜ BETON ÇELİK ÇUBUK

ANMA ÇAPI (D) / (mm)	ÇEVRE UZUNLUĞU (U) / (cm)	KESİT ALANI (F) / (cm ²)	TEORİK AĞIRLIK (G) / (kg/mt)
8	2.51	0.50	0.39
10	3.14	0.78	0.61
12	3.77	1.13	0.88
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	7.85	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

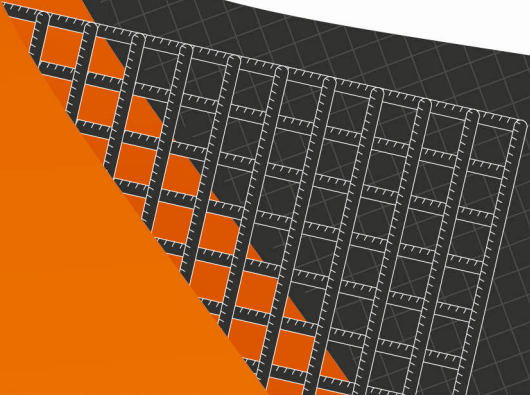
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ÇELİK HASIR



ÇELİK HASIR

HASIR TİPİ	HASIR ÇUBUKLARININ								
	BOYU ENİ	GÖZENEK		ÇAPI		ÇIKINTISI		AĞIRLIK	
		BOY	EN	BOY	EN	BOY	EN	m2	HASIR
mt	mm						kg		
Q188/188	5.00 2.15	150	150	6.0	6.0	100/100	25/175	31.29	2.96
Q221/221		150	150	6.5	6.5	100/100	25/175	36.65	3.48
Q257/257		150	150	7.0	7.0	100/100	25/175	42.56	4.02
Q257/188		150	150	7.0	6.0	100/100	25/175	36.89	3.43
Q295/295		150	150	7.5	7.5	100/100	25/175	48.90	4.62
Q295/257		150	150	7.5	7.0	100/100	25/175	45.72	4.25
Q295/221		150	150	7.5	6.5	100/100	25/175	42.73	3.98
Q295/188		150	150	7.5	6.0	100/100	25/175	40.04	3.72
Q295/158		150	150	7.5	5.5	100/100	25/175	37.55	3.49
Q317/317		150	150	7.8	7.8	100/100	25/175	52.71	4.98
Q317/295		150	150	7.8	7.5	100/100	25/175	50.80	4.73
Q317/257		150	150	7.8	7.0	100/100	25/175	47.61	4.43
Q317/221		150	150	7.8	6.5	100/100	25/175	44.63	4.15
Q317/188		150	150	8.0	6.0	100/100	25/175	41.93	3.97
Q335/335		150	150	8.0	8.0	100/100	25/175	55.67	5.26
Q335/317		150	150	8.0	7.8	100/100	25/175	54.18	5.04
Q335/295		150	150	8.0	7.5	100/100	25/175	52.27	4.86
Q335/257		150	150	8.0	7.0	100/100	25/175	49.08	4.57
Q335/221		150	150	8.0	6.5	100/100	25/175	46.09	4.29
Q335/188		150	150	8.0	6.0	100/100	25/175	43.40	4.11
Q377/377		150	150	8.5	8.5	100/100	25/175	62.72	5.94
Q377/335		150	150	8.5	8.0	100/100	25/175	59.17	5.50
Q377/317		150	150	8.5	7.8	100/100	25/175	57.69	5.37
Q377/295		150	150	8.5	7.5	100/100	25/175	55.77	5.19
Q377/257		150	150	8.5	7.0	100/100	25/175	52.58	4.90
Q377/221		150	150	8.5	6.5	100/100	25/175	49.60	4.61
Q377/188		150	150	8.5	6.0	100/100	25/175	46.90	4.45
Q424/424		150	150	9.0	9.0	100/100	25/175	70.33	6.66
Q424/377	150	150	9.0	8.5	100/100	25/175	66.50	6.19	
Q424/335	150	150	9.0	8.0	100/100	25/175	62.96	5.86	

ÇELİK HASIR

HASIR TİPİ	HASIR ÇUBUKLARININ								
	BOYU ENİ	GÖZENEK		ÇAPI		ÇIKINTISI		AĞIRLIK	
		BOY	EN	BOY	EN	BOY	EN	m2	HASIR
	mt	mm						kg	
Q424/317	5.00 2.15	150	150	9.0	7.8	100/100	25/175	61.47	5.72
Q424/295		150	150	9.0	7.5	100/100	25/175	59.55	5.54
Q424/257		150	150	9.0	7.0	100/100	25/175	56.36	5.24
Q424/221		150	150	9.0	6.5	100/100	25/175	53.38	4.97
Q443/443		150	150	9.2	9.2	100/100	25/175	73.43	6.95
Q443/377		150	150	9.2	8.5	100/100	25/175	67.97	6.32
Q443/335		150	150	9.2	8.0	100/100	25/175	64.42	5.99
Q443/317		150	150	9.2	7.8	100/100	25/175	62.94	5.85
Q443/295		150	150	9.2	7.5	100/100	25/175	61.02	5.68
Q443/257		150	150	9.2	7.0	100/100	25/175	57.83	5.38
Q443/221		150	150	9.2	6.5	100/100	25/175	54.93	5.22
Q473/473		150	150	9.5	9.5	100/100	25/175	78.37	7.29
Q503/503		100	100	8.0	8.0	100/100	25/175	83.08	7.90
Q513/513		100	100	8.1	8.1	100/100	25/175	85.19	8.08
Q513/257		100	150	8.1	7.0	100/100	25/175	63.95	6.05
Q524/524		150	150	10.0	10.0	100/100	25/175	86.97	8.09
Q524/443		150	150	10.0	9.2	100/100	25/175	80.08	7.45
Q524/424		150	150	10.0	9.0	100/100	25/175	78.60	7.31
Q524/377		150	150	10.0	8.5	100/100	25/175	74.76	6.95
Q524/335		150	150	10.0	8.0	100/100	25/175	71.21	6.62
Q524/317		100	100	10.0	7.8	100/100	25/175	69.72	6.49
Q524/295		150	150	10.0	7.5	100/100	25/175	67.81	6.31
Q524/257		150	150	10.0	7.0	100/100	25/175	64.62	6.01
Q589/589		150	150	10.6	10.6	100/100	25/175	97.53	9.07
Q589/589	100	100	8.7	8.7	100/100	25/175	98.02	9.32	
Q589/503	100	100	8.7	8.0	100/100	25/175	90.54	8.61	
Q589/378	100	150	8.7	8.5	100/100	25/175	80.50	7.63	
Q589/335	100	100	8.7	8.0	100/100	25/175	76.96	7.16	
Q589/317	100	150	8.7	7.8	100/100	25/175	75.47	7.02	
Q589/295	100	150	8.7	7.5	100/100	25/175	73.58	6.97	

TRANSMİSYON

b mm	Birim Ağırlık kg/m	b mm	Birim Ağırlık kg/m	b mm	Birim Ağırlık kg/m
5	0.15	30	5.55	75	34.65
6	0.22	32	6.31	77	36.52
7	0.30	33	6.71	80	39.50
8	0.39	34	7.13	85	44.51
9	0.50	35	7.55	90	49.90
10	0.62	36	7.99	95	55.59
11	0.75	37	8.44	100	61.70
12	0.89	38	8.90	105	67.91
13	1.04	39	9.38	110	74.54
14	1.21	40	9.86	115	81.47
15	1.39	42	10.90	120	88.80
16	1.58	45	12.50	130	104.10
17	1.78	46	13.00	140	120.74
18	2.00	47	13.61	150	138.60
19	2.22	48	14.19	160	157.70
20	2.46	50	15.40	170	178.02
21	2.72	52	16.66	180	199.57
22	2.98	55	18.70	190	222.40
23	3.26	57	20.00	200	246.40
24	3.55	60	22.18	210	271.66
25	3.85	62	23.68	220	298.14
26	4.17	65	26.03	230	325.86
27	4.49	67	27.65	240	354.82
28	4.83	70	30.18	250	385.00



Kitapçıkta bulunmayan ürün çeşitleri
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MOLLAOĞLU SAC ve YAPISAL ÇELİK SAN. TİC. A.Ş.

☎ 0 262 335 44 13-14-15 ☎ 0 262 335 18 65

✉ satis@mollaoglusteel.com

📍 Sanayi Mah. Kerkük Sk. No:20/A İzmit / KOCAELİ

www.mollaoglusteel.com

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