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**OSMANİYE
ERW ÇELİK BORU FABRİKASI**

Organize Sanayi Bölgesi P.K
80950 Toprakkale / OSMANİYE

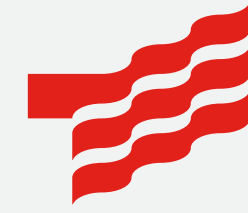
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**İSKENDERUN
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Org. San. Böl. Sarıseki
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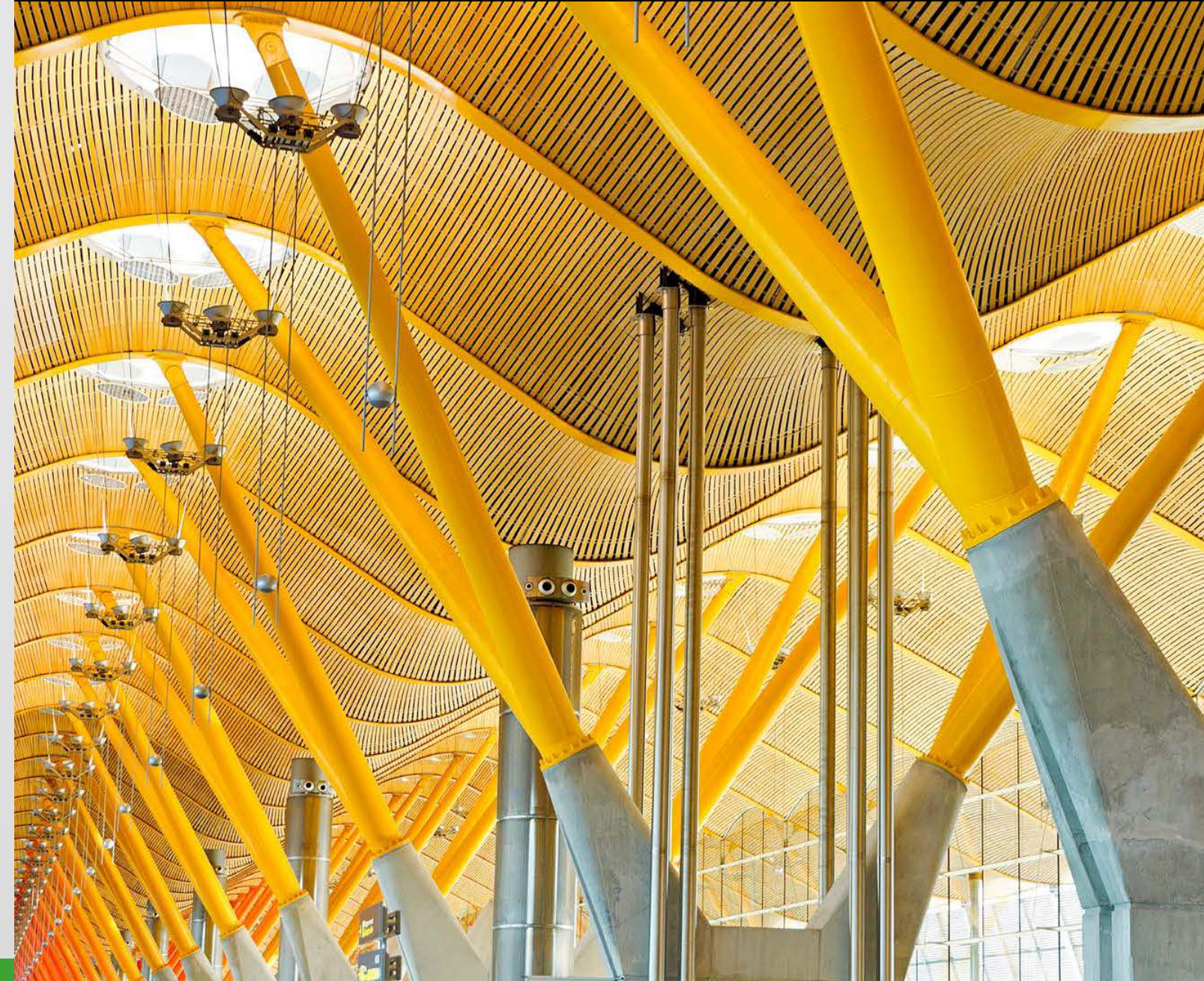
Tosçelik Profil ve Sac End. A.Ş. bir Tosyalı Holding kuruluşudur.
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TOSÇELİK Profil ve Sac

Yapısal Boru ve Profiller

Structural Pipes and Profiles





TOSÇELİK Profil ve Sac



**SİZE
ÇELİK TEN
DAHA FAZLASINI
SUNUYORUZ.**
*WE OFFER YOU
MORE THAN
STEEL.*

Hakkımızda

Saygıdeğer Tosyalı dostları,

Demir-Çelik sektöründeki 60 yılı geçen deneyimimizle Tosyalı Holding olarak, Türkiye Cumhuriyeti'nin 100. Yılı olan 2023 hedeflerine emin adımlarla ilerliyoruz.

Türkiye’de demir çelik sektöründe liderliğini ilan eden Tosyalı Holding, yeni yurtdışı yatırımlarıyla da uluslararası bir marka haline gelmiş durumda. Cezayir’de ve Karadağ’da açılan demirçelik fabrikaları bunun en büyük göstergesi. İskenderun’da gerçekleştirdiğimiz Termik Santral ve liman projesiyle yatırım anlamında büyümeye devam ediyoruz.

Osmaniye’de 758,000 m² alana yayılan Osmaniye Tosçelik Yapısal ve Sac Üretim Tesisleri ise hem ilklerin sahibi olan hem de rekorlara imza atan bir fabrika oldu. Tesis; 19 ay gibi rekor bir sürede tamamlayarak 2009 yılında açtık.

Cumhuriyet tarihindeki ilk özel yassı çelik üretim tesisi olan Tosçelik, Türkiye’nin yassı çelikteki dışa bağımlılığını da azaltan bir işleve sahip.

Bu yatırımı daha verimli hale getirmek, müşteri taleplerine daha hızlı cevap verebilmek amacıyla da, Avrupa’da tek seferde inşa edilmiş en büyük boru profil üretim tesisini de kurarak; Tosçelik; Türkiye’nin boru profilde tartışmasız en büyük lideri oldu.

Hem çeliğini hem de son mamülünü aynı çatı altında üreten ve bu özelliği ile Türkiye’de tek, dünyada ise birkaç örneğinden biri olan entegre tesis Tosçelik’in yıllık üretim kapasitesi 2 milyon ton.

Tosçelik olarak; boru profil üretiminde sektöre sözlerimiz var. Öncelikle sağlık diyoruz. Tüm boru profil çeşitlerini estetik görünümle birlikte en sağlıklı yöntemlerle ve tüm çevre koruma standartlarının üstüne çıkarak üretiyoruz. Tüketici sağlığının herşeyden önemli olduğunu biliyoruz. Ve bunu sağlamak için de en dikkatli şekilde çalışıyoruz.

Sektörde lider olmak için varız. Hep söyleye geldiğimiz gibi “size çelikten daha fazlasını sunuyoruz”.

FUAT TOSYALI
Yönetim Kurulu Başkanı

About us

Dear friends of Tosyalı,

With the experience of 60 years in Iron and Steel industry, we, as Tosyalı Holding, are moving confidently towards the objectives of 2023, which marks the 100th anniversary of the Republic of Turkey.

Tosyalı Holding, establishing its leadership in Iron and Steel Industry in Turkey, has become an international brand with its new foreign investments. The Iron and Steel Works opened in Algeria and Montenegro are the the most important indicators of this success. We continue to grow our investments with our Power Plant and Port Projects in İskenderun.

In Osmaniye, covering an area of 758,000 m². Osmaniye Tosçelik Structural and Flat Steel Production Plant has become a pioneering and record-breaking factory. We opened the facilities in a record time of 19 months in 2009.

With the objective of making this investment more efficient and responding promptly to customer demands, Tosçelik established ERW Tube and Hollow Section Production Facility, the largest facility of its kind built at one time, making Tosçelik the undisputable leader of Pipe and Hollow Sections in Turkey.

The integrated Tosçelik Facilities, with 2 million tons of annual production capacity, is the first facility in Turkey producing both steel and its final products under the same roof, and one of the few in the world. As Tosçelik, we have some commitments to the tube and hollow section industry. We say health comes first.

With aesthetic appearance in mind, we produce all tube and hollow sections with the most health-conscious methods, exceeding all environmental standards.

We know that consumer health is of utmost importance and we work meticulously to provide that. We are here to be the leader in the industry.

As we always say, “We offer you more than steel.”

FUAT TOSYALI
Chairman of the Board of Directors

EN GENİŞ ÜRÜN ÇEŞİDİ

THE BROADEST PRODUCT VARIETY

Tosçelik Osmaniye entegre tesisleri, yapısal çelik boru ve profillerini en geniş ürün yelpazesinde farklı uygulamalar için müşterilerine sunmaktadır.

Tosçelik Osmaniye entegre tesisleri, soğuk şekillendirilmiş boru ve profiller-yanında, yüksek veya çok katlı, geniş açıklıklı veya yüksek dayanımın istediği yapı uygulamaları için soğuk şekillendi-rilmiş, ısıtılma işlemi ile normalize edil-miş boru ve profilleri üretebilmektedir.

Tosçelik Osmaniye entegre tesisle-ri “offline” ısıtılma işlemi tesisi ile tavlanmış (normalize edilmiş) yüksek dayanımlı, “kaynaklanabilir, uluslararası standartla-ra” uygun yuvarlak kare ve dikdörtgen yapı profilleri üreterek Türkiye’nin bu alandaki açığını kapatmıştır.

Tosçelik Osmaniye Integrated Facilities offers the broadest variety of structural pipes and profiles to its customers for use in various applications.

Tosçelik Osmaniye Integrated Facilities is able to produce cold formed pipe and hollow sections for applications such as high and high-rise, wide span, or applications requiring high-strength, normalized or stress-relieved finished products.

Tosçelik Osmaniye Integrated Facilities has met Turkey’s deficiency in the industry with its “offline furnace”, by supplying and producing high-strength normalized and weldable pipe and square, rectangular hollow sections in international standards.

YÜKSEK KALİTE UYGUN ÇÖZÜMLER

HIGH-QUALITY

APPROPRIATE SOLUTIONS

Yapı Profillerinin Avantajları;

- Daha hafif, daha yüksek dayanım
- Geniş açıklıklı uygulamalar
- Daha düşük inşaat maliyeti ve daha düşük ürün maliyetli çözüm
- Alternatif ürünlere göre daha estetik çözümler
- Daha iyi kaynaklanabilirlik

The advantages of structural profiles;

- Less weight, higher strength
- Wider span applications
- Lower-cost of building and solutions with lower-cost products
- More visually-appealing solutions compared to alternative products
- Better weldability

YAŞAMIN HER ALANINDA IN ALL SPHERES OF LIFE



KONSTRÜKSİYON BORULARI

STRUCTURAL PIPES



Üretim Standartları / Production Standards :

EN 10305-3 (TS EN 10305-3),
EN 10219 (TS EN 10219) CE MARKED,
DIN 2394, DIN 1615, BS 6363, ASTM A 500, SI 1458

Malzeme Kalitesi / Material Quality

DIN 17100	: St 12, St 33, St 37, St 44, St 52
EN 10025	: S 195, S 235 JR, S 235 J0, S 235 J2 : S 275 JR, S 235 J0, S 235 J2 : S 355 JR, S 355 J0, S 355 J2, S 355 K2, S 450 J0
ASTM A 500	: Gr A , Gr B, Gr C,Gr D
SI 1458	: A 1458, B 1458, C 1458
BS 6363	: Gr 34/26, Gr 43/36
EN 10305-3	: E 190, E 220, E 260, E 320, E 370
AS/NZS 1163	C250, C250L0, C350, C350L0, C450, C450L0

EN 10305-3

Dış Çap Outside Diameter mm	Et Kalınlığı Wall Thickness (mm)																
	0,8	0,8	1,0	1,2	1,5	1,8	2,0	2,2	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0	
	Birim Ağırlık (kg/m) Mass per Unit Length (kg/m)																
8	0.109	0.142	0.173														
10	0.139	0.182	0.222	0.260	0.314												
12		0.221	0.271	0.320	0.388	0.453	0.493										
15		0.280	0.345	0.408	0.499	0.586	0.641	0.694									
16	0.228	0.300	0.370	0.438	0.536	0.630	0.691	0.749									
18		0.339	0.419	0.497	0.610	0.719	0.789	0.857	0.956								
19	0.272	0.359	0.444	0.527	0.647	0.764	0.838	0.910	1.020	1.180							
20	0.287	0.379	0.469	0.556	0.684	0.808	0.888	0.966	1.08	1.26							
22	0.317	0.418	0.518	0.616	0.758	0.897	0.986	1.070	1.20	1.41							
25	0.361	0.477	0.592	0.704	0.869	1.030	1.130	1.240	1.39	1.63							
28		0.537	0.666	0.793	0.980	1.160	1.280	1.400	1.57	1.85	2.11						
30		0.576	0.715	0.852	1.050	1.250	1.380	1.510	1.70	2.00	2.29						
32		0.616	0.765	0.911	1.130	1.340	1.480	1.620	1.820	2.150	2.460						
35			0.838	1.00	1.24	1.47	1.63	1.78	2.00	2.37	2.72						
38			0.912	1.09	1.35	1.61	1.78	1.94	2.19	2.59	2.98						
40			0.962	1.15	1.42	1.70	1.87	2.05	2.31	2.74	3.15						
42			1.01	1.21	1.50	1.78	1.97	2.16	2.44	2.89	3.32						
42.4			1.02	1.22	1.51	1.80	1.99	2.18	2.46	2.92	3.36	3.79					
44			1.06	1.27	1.57	1.87	2.07	2.27	2.56	3.03	3.50						
45			1.09	1.30	1.61	1.92	2.12	2.32	2.62	3.11	3.58						
48.3				1.39	1.73	2.06	2.28	2.50	2.82	3.35	3.87	4.37	4.86				
50				1.44	1.79	2.14	2.37	2.59	2.93	3.48	4.01	4.54	5.05				
51				1.47	1.83	2.18	2.42	2.65	2.99	3.55	4.10	4.37	4.86				
55				1.59	1.98	2.36	2.61	2.86	3.24	3.85	4.45	5.03	5.60				
57				1.65	2.05	2.45	2.71	2.97	3.36	4.00	4.62	5.23	5.83				
60				1.74	2.16	2.58	2.86	3.14	3.55	4.22	4.88	5.52	6.16	6.78	7.39		
63.5				1.84	2.29	2.74	3.03	3.33	3.76	4.48	5.18	5.87	6.55	7.21	7.87		
70				2.04	2.53	3.03	3.35	3.68	4.16	4.96	5.74	6.51	7.27	8.01	8.75		
76				2.21	2.76	3.29	3.65	4.00	4.53	5.40	6.26	7.10	7.93	8.85	9.56		
80				2.33	2.90	3.47	3.85	4.22	4.78	5.70	6.60	7.50	8.38	9.25	10.10		
89					2.76	3.29	3.65	4.00	4.53	5.40	6.26	7.10	7.93	8.75	9.56	10.36	
90					3.27	3.92	4.34	4.76	5.39	6.44	7.47	8.48	9.49	10.50	11.50	12.40	
100					3.64	4.36	4.83	5.31	6.01	7.18	8.33	9.47	10.60	11.70	12.80	13.90	
101.6					3.70	4.43	4.91	5.39	6.11	7.29	8.47	9.63	10.60	11.90	13.00	14.10	
108					3.94	4.73	5.23	5.74	6.50	7.77	9.02	10.30	11.50	12.70	13.90	15.10	
114						4.98	5.52	6.20	6.87	8.21	9.54	10.90	12.20	13.40	14.70	16.00	
120						5.25	5.82	6.39	7.24	8.66	10.10	11.40	12.80	14.20	15.50	16.90	
127						5.56	6.17	6.77	7.68	9.17	10.66	12.10	13.80	15.00	16.48	17.90	
133						5.82	6.46	7.10	8.05	9.62	11.20	12.70	14.30	15.80	17.30	18.90	
139.7						6.12	6.79	7.46	8.46	10.11	11.76	13.40	15.00	18.50	18.20	19.78	
159						6.98	7.74	8.51	9.65	11.54	13.42	15.30	17.10	19.00	20.82	22.64	
165.1						7.25	8.04	8.84	10.02	11.99	13.95	15.89	17.82	19.74	21.65	23.54	
168						7.38	8.19	9.00	10.20	12.21	14.20	16.18	18.14	20.10	22.04	23.10	
177.8						7.81	8.67	9.53	10.81	12.93	15.04	17.14	19.23	21.31	23.37	25.42	
193.7								10.39	11.79	14.11	16.42	18.70	21.00	23.30	25.53	27.77	

Ara ebat ve kalınlıklar alıcı ile üretici arasındaki anlaşmaya bağlıdır. | Intermediate sizes apply between purchaser and manufacturer.

EN 10219

Dış Çap Outside Diameter mm	Et Kalınlığı (mm) Wall Thickness (mm)										
	2.0	2.5	3.0	4.0	5.0	6.0	6.3	8.0	10.0	11.0	12.5
	Birim Ağırlık (kg/m) Mass per Unit Length (kg/m)										
21.3	0.95	1.16	1.35								
26.9	1.23	1.50	1.77								
33.7	1.56	1.92	2.27								
42.4	1.99	2.46	2.91	3.79							
48.3	2.28	2.82	3.35	4.37	5.34						
60.3	2.88	3.56	4.24	5.55	6.82						
76.1	3.65	4.54	5.41	7.11	8.77	10.40	10.80				
88.9	4.29	5.33	6.36	8.38	10.30	12.30	12.80				
101.6	4.91	6.11	7.29	9.63	11.90	14.10	14.80				
114.3		6.89	8.23	10.90	13.50	16.00	16.80	21.00			
139.7			10.10	13.40	16.60	19.80	20.70	26.00	32.00		
165.1			11.99	15.89	19.74	23.54	24.67	30.99	38.25		
168.3			12.20	16.20	20.10	24.00	25.20	31.60	39.00		
177.8			12.87	17.10	21.31	25.40	26.60	33.50	41.40		
193.7				18.70	23.30	27.80	29.10	36.60	45.30	49.55	55.85
219.1				21.20	26.40	31.50	33.10	41.60	51.60	56.50	63.70
244.5				23.70	29.50	35.30	37.00	46.70	57.80	63.30	71.51
273				26.50	33.00	39.50	41.40	52.30	64.90	71.00	80.30
323.9					39.32	47.10	49.40	62.30	77.40	84.80	95.98





DIN 2394

Dış Çap Outside Diameter mm	Et Kalınlığı (mm) Wall Thickness (mm)																		
	0.7	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	
	Birim Ağırlık (kg/m) Mass per Unit Length (kg/m)																		
8	0.126	0.142	0.173	0.201	0.240														
10	0.161	0.181	0.222	0.260	0.314														
12	0.195	0.221	0.271	0.320	0.398	0.453	0.493												
16	0.264	0.300	0.370	0.438	0.536	0.630	0.691	0.749											
18	0.299	0.339	0.419	0.497	0.610	0.719	0.789	0.857	0.956										
20	0.333	0.379	0.469	0.556	0.684	0.808	0.888	0.966	1.080	1.260									
22	0.367	0.418	0.513	0.616	0.758	0.897	0.986	1.070	1.200	1.410									
25	0.419	0.477	0.592	0.704	0.869	1.030	1.130	1.240	1.390	1.630									
30	0.506	0.576	0.715	0.852	1.050	1.250	1.380	1.510	1.700	2.000	2.290								
32			0.765	0.911	1.130	1.340	1.480	1.620	1.820	2.150	2.460								
35			0.838	1.000	1.240	1.470	1.630	1.780	2.000	2.370	2.720								
38			0.912	1.090	1.350	1.610	1.780	1.940	2.190	2.590	2.980	3.350							
40			0.962	1.150	1.420	1.700	1.870	2.050	2.310	2.740	3.150	3.550							
45			1.090	1.300	1.610	1.920	2.120	2.320	2.620	3.110	3.580	4.040							
50			1.210	1.440	1.790	2.140	2.370	2.590	2.930	3.480	4.010	4.540	5.050						
55				1.590	1.980	2.360	2.610	2.860	3.240	3.850	4.450	5.030	5.600						
60				1.740	2.160	2.580	2.860	3.140	3.550	4.220	4.880	5.520	6.160	6.780	7.390				
70				2.040	2.530	3.030	3.350	3.680	4.160	4.960	5.740	6.510	7.270	8.010	8.750				
80				2.330	2.900	3.470	3.850	4.220	4.780	5.700	6.600	7.500	8.380	9.250	10.10				
90					3.27	3.92	4.34	4.76	5.39	6.44	7.47	8.48	9.49	10.50	11.50	12.40			
100					3.64	4.36	4.83	5.31	6.01	7.18	8.33	9.47	10.60	11.70	12.80	13.90			
108					3.94	4.73	5.23	5.74	6.50	7.77	9.02	10.30	11.50	12.70	13.90	15.10			
114						4.98	5.52	6.20	6.87	8.21	9.54	10.90	12.20	13.40	14.70	16.00	17.20	18.50	
120						5.25	5.82	6.39	7.24	8.66	10.10	11.40	12.80	14.20	15.50	16.90	18.20	19.50	
133						5.82	6.46	7.10	8.05	9.62	11.20	12.70	14.30	15.80	17.30	18.90	20.30	21.80	
159						6.98	7.74	8.51	9.65	11.50	13.40	15.30	17.20	19.00	20.80	22.60	24.50	26.20	

SI 1458

Dış Çap		Et Kalınlığı (mm) Wall Thickness (mm)																		
Outside Diameter		1.2	1.6	2.0	2.2	2.6	3.0	3.2	3.6	4.0	4.4	5.0	5.6	6.3	7.1	8.0	8.7	10.0	11.1	12.5
mm	inch	Birim Ağırlık (kg/m) Mass per Unit Length (kg/m)																		
21.3	1/2	0.59	0.78	0.95	1.04	1.20														
26.9	3/4	0.76	1.00	1.23	1.34	1.56														
33.7	1	0.96	1.27	1.56	1.71	1.99	2.27	2.41												
42.4	1 1/4	1.22	1.61	1.99	2.18	2.55	2.91	3.09	3.44											
48.3	1 1/2	1.39	1.84	2.28	2.50	2.93	3.35	3.56	3.97	4.37										
60.3	2	1.75	2.32	2.88	3.15	3.70	4.24	4.51	5.03	5.55										
76.1	2 1/2		2.94	3.65	4.01	4.71	5.41	5.75	6.44	7.11	7.78	8.77								
88.9	3			4.29	4.70	5.53	6.35	6.76	7.57	8.37	9.17	10.34	11.50	12.83						
101.6	3 1/2			4.91	5.39	6.35	7.29	7.76	8.70	9.63	10.50	11.91	13.26	14.81						
114.3	4			5.54	6.08	7.16	8.23	8.77	9.83	10.88	11.92	13.48	15.01	16.78						
139.7	5					8.79	10.11	10.77	12.08	13.39	14.68	16.61	18.52	20.72						
168.3	6							13.03	14.62	16.21	17.78	20.13	22.47	25.17	28.22					
219.1	8							17.03	19.13	21.22	23.30	26.40	29.48	33.06	37.12	41.65	45.14	51.56	56.93	63.68
273.0	10							21.29	23.90	26.53	29.14	33.04	36.93	41.43	46.56	52.28	56.70	64.86	71.68	80.29
323.9	12											39.32	43.95	49.34	55.46	62.32	67.62	77.40	85.62	95.98

BS 6363

Dış Çap Outside Diameter mm	Et Kalınlığı Wall Thickness (mm)							
	1.6	2.0	2.6	3.0	3.2	3.6	4.0	5.0
	Birim Ağırlık (kg/m) Mass per Unit Length (kg/m)							
21.3	0.777	0.952						
26.9	0.998	1.23	1.56	1.77	1.87			
33.7		1.56	1.99	2.27	2.41			
42.4		1.99	2.55	2.91	3.09	3.44	3.79	
48.3		2.28	2.93	3.35	3.56	3.97	4.37	
60.3		2.88	3.70	4.24	4.51	5.03	5.55	
76.1		3.65	4.71	5.41	5.75	6.44	7.11	
88.9		4.29	5.53	6.36	6.76	7.57	8.38	
101.6		4.91	6.35	7.29	7.77	8.70	9.63	
114.3		5.54	7.16	8.23	8.77	9.83	10.90	
139.7		6.70	8.79	10.10	10.80	12.10	13.40	16.60
168.3							16.20	20.10
193.7							18.70	23.30

DIN 2458 (DIN 1615 - DIN 1626)

Dış Çap Outside Diameter	Et Kalınlığı (mm) Wall Thickness (mm)																			
	1.4	1.6	1.8	2.0	2.3	2.6	2.9	3.2	3.6	4.0	4.5	5.0	5.6	6.3	7.1	8.0	8.8	10.0	11.0	12.5
mm	Birim Ağırlık (kg/m) Mass per Unit Length (kg/m)																			
13.5	0.42	0.47	0.52	0.57	0.64															
16	0.50	0.57	0.63	0.69	0.78	0.86	0.94													
17.2	0.55	0.62	0.68	0.75	0.85	0.94	1.02													
19	0.61	0.69	0.76	0.84	0.95	1.05	1.15													
20	0.60	0.73	0.81	0.89	1.00	1.12	1.22													
21.3	0.69	0.78	0.87	0.95	1.08	1.20	1.32	1.43												
25	0.82	0.92	1.03	1.13	1.29	1.44	1.58	1.72												
25.4	0.83	0.94	1.05	1.15	1.31	1.46	1.61	1.75												
26.9	0.88	1.00	1.11	1.23	1.40	1.56	1.72	1.87												
30	0.99	1.12	1.25	1.38	1.57	1.76	1.94	2.11												
31.8	1.05	1.19	1.33	1.47	1.67	1.87	2.07	2.26	2.50											
33.7	1.12	1.27	1.42	1.56	1.78	1.99	2.20	2.41	2.67	2.93										
38	1.26	1.44	1.61	1.78	2.02	2.27	2.51	2.75	3.05	3.35										
42.4	1.42	1.61	1.80	1.99	2.27	2.55	2.82	3.09	3.44	3.79										
44.5	1.49	1.69	1.90	2.10	2.39	2.69	2.98	3.26	3.63	4.00										
48.3	1.62	1.84	2.06	2.28	2.61	2.93	3.25	3.56	3.97	4.37	4.86	5.34								
51	1.71	1.95	2.18	2.42	2.76	3.10	3.44	3.77	4.21	4.64	5.16	5.67								
57	1.92	2.19	2.45	2.71	3.10	3.49	3.87	4.25	4.74	5.23	5.83	6.41								
60.3	2.03	2.32	2.60	2.88	3.29	3.70	4.11	4.51	5.03	5.55	6.19	6.82								
63.5		2.44	2.74	3.03	3.47	3.90	4.33	4.76	5.32	5.87	6.55	7.21								
73		2.82	3.16	3.50	4.01	4.51	5.01	5.51	6.16	6.81	7.60	8.38								
76.1		2.94	3.30	3.65	4.19	4.71	5.24	5.75	6.44	7.11	7.95	8.77	9.74							
88.9		3.44	3.87	4.29	4.91	5.53	6.15	6.76	7.57	8.38	9.37	10.30	11.50							
101.6				4.91	5.63	6.35	7.06	7.77	8.70	9.63	10.80	11.90	13.30							
108				5.23	6.00	6.76	7.52	8.27	9.27	10.30	11.50	12.70	14.10							
114.3				5.54	6.35	7.16	7.97	8.77	9.83	10.90	12.20	13.50	15.00							
127				6.17	7.07	7.98	8.88	9.77	11.00	12.10	13.60	15.00	16.80							
133				6.46	7.41	8.36	9.30	10.20	11.50	12.70	14.30	15.80	17.60							
139.7				6.79	7.79	8.79	9.78	10.80	12.10	13.40	15.00	16.60	18.50	20.72	23.21	25.98	28.4	31.98		
168.3							11.80	13.00	14.60	16.20	18.20	20.10	22.50	25.20	28.20	31.60	34.60	39.00	42.66	
177.8							12.51	13.78	15.46	17.14	19.23	21.31	23.78	26.64	29.89	33.50	36.67	41.38	45.24	
193.7							13.64	15.03	16.88	18.71	21.00	23.27	25.98	29.11	32.67	36.63	40.12	45.30	49.55	
219.1								17.00	19.10	21.20	23.80	26.40	29.50	33.10	37.10	41.60	45.60	51.60	56.44	63.68
244.5								19.04	21.39	23.72	26.63	29.53	33.00	37.00	41.57	46.66	51.15	57.83	63.33	71.51
273								21.30	23.90	26.50	29.80	33.00	36.90	41.40	46.60	52.30	57.30	64.90	71.07	80.29
323.9												39.32	43.95	49.34	55.46	62.32	68.37	77.40	84.87	95.98



İSKELE BORULARI SCAFFOLDING TUBES



Üretim Standartları / Production Standards :

EN 39 (TS 8481 EN 39), BS 1139

Malzeme Kalitesi / Material Quality

EN 39 (TS 8481 EN 39) : S 235 GT

ÜRETİM MATRİSİ

Production Range

İSKELE BORULARI

Scaffolding Tubes

BS 1139

Dış Çap Outside Diameter	Et Kalınlığı Wall Thickness	Birim Ağırlık Mass per Unit Length	Çinko Kaplama Kalınlığı Thickness of The Zinc Coating
48,3 mm	4,0 mm	4,37 kg/m	min 40 µm

EN 39

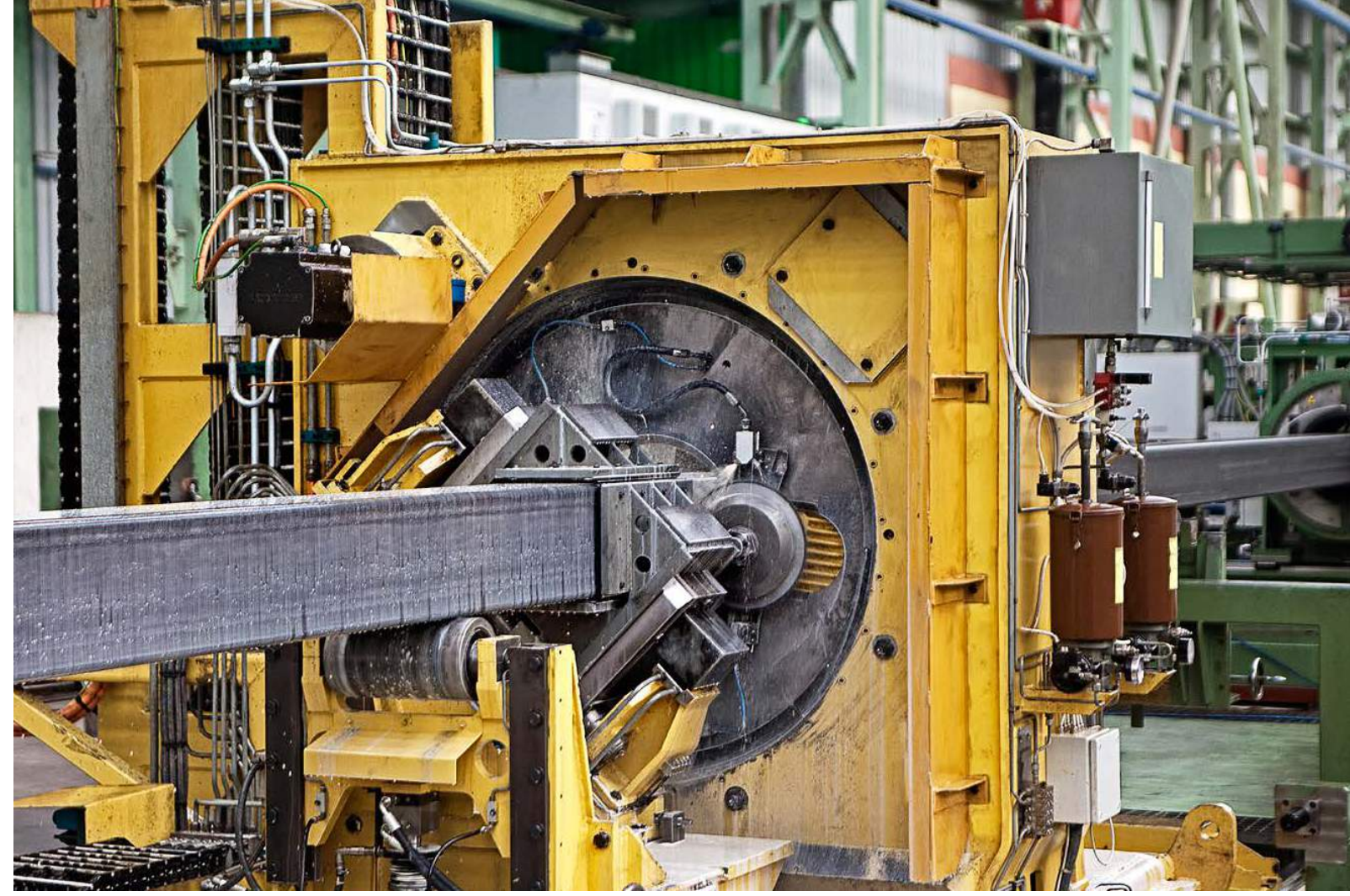
Dış Çap Outside Diameter	Et Kalınlığı Wall Thickness	Birim Ağırlık Mass per Unit Length	Çinko Kaplama Kalınlığı Thickness of The Zinc Coating
48,3 mm	3,2 mm	3,56 kg/m	min 40 µm
48,3 mm	4,0 mm	4,37 kg/m	min 40 µm

Uzunluk | Length : 4 - 8,5 m (Galvanizli Boru Uzunluğu | Length of the Galvanized Pipe : 5 - 8.5 m)



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KARE VE DİKDÖRTGEN KUTU PROFİLLER SQUARE & RECTANGULAR HOLLOW SECTIONS



Üretim Standartları / Production Standards :

EN 10305-5 (TS EN 10305-5), EN 10219 (TS EN 10219)CE MARKED,
DIN 59411, BS 6363, ASTM A 500, SI 1458, TS 5317

Malzeme Kalitesi / Material Quality

DIN 17100	: St 12, St 33, St 37, St 44, St 52
EN 10025	: S 195, S 235 JR, S 235 J0, S 235 J2 : S 275 JR, S 235 J0, S 235 J2 : S 355 JR, S 355 J0, S 355 J2, S 355 K2, S 450 J0
ASTM A 500	: Gr A , Gr B, Gr C,GR D
SI 1458	: A 1458, B 1458, C 1458
BS 6363	: Gr 34/26, Gr 43/36
EN 10305-5	E190, E220, E260, E320, E370, E420



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ISIL İŞLEM GÖRMÜŞ BORULAR

HEAT TREATED ROUND PIPES



Üretim Standartları / Production Standards :

ASTM A 500, ASTM A513-8a , ASTM A 795 , EN 10217-2(TS EN 10217-2) , ASTM A 178-A178M ,
ASTM A 500 , EN 10208-1(TS 6047-1 EN 10208-1) , EN 10208-2(TS 6047-2 EN 10208-2) , API 5 L ,
API 5CT, EN 10210 1-2

Malzeme Kalitesi / Material Quality

ASTM A 513-8a	:MT 1010 , MT 1015 , MT X 1015 , MT 1020, MT X 1020
ASTM A795	: GRADE B
EN 10217-2	: P195GH , P235GH , P265GH , 16Mo3
EN 10210 1-2	: S235JRH, S275J0H, S275J2H, S355J0H, S355J2H, S355K2H, S275NH, : S275NLH, S355NH, S355NJH, S420NH, S420NLH, S460NH, S460 NLH
ASTM A 500	:GRADE D
ASTM A178-A178M	:GRADE A, GRADE C , GRADE D
API 5CT	:J55, K55
API 5L / ISO 3183	:A25,A25P, A, B, X42, X46, X52, X56, X60, X65, X70
EN 10305-3	:E155, E195, E235, E275, E355

Boru Uçları Finishing Operations

Düz Uçlu / Square Cut
Kaynak Ağzı / Bevelled End

Yüzey Durumu Surface Protection

Koruyucu Yağlı / Protective Oil upon Request

Test Sertifikası Mill Test Certificates

EN 10204 (TS EN 10204)'e göre 2.1 , 2.2 , 3.1 , 3.2 deney belgeleri
According to EN 10204 2.1 , 2.2 , 3.1 , 3.2

Boru / Profil Gövdesi Isıl İşlem Full Body Heat Treatment

21.3 mm ≤ Dış Çap ≤ 339,7 mm : Gerilim Giderme Tavı
21.3 mm ≤ Outside Diameter ≤ 339,7 mm : Stress Relieving Annealing

21.3 mm ≤ Dış Çap ≤ 339,7 mm : Normalize Tavı
21.3 mm ≤ outside Diameter ≤ 339,7 mm : Normalizing

20x20 mm ≤ H,B ≤ 250x250 : Normalize Tavı
20x20 mm ≤ H,B ≤ 250x250 : Normalizing

20x20 mm ≤ H,B ≤ 250x250 mm : Gerilim Giderme Tavı
20x20 mm ≤ H,B ≤ 250x250 mm : Stress Relieving Annealing

Gerilim giderme tavı ve normalize tavı offline olarak atmosfer kontrollü tav fırınında 550 - 700 °C(gerilim giderme) ve 880-950 °C (normalizasyon)de tüm boru gövdesi üzerinde gerçekleştirilir. Bu işlemler sonrasında ana malzeme ve kaynak dikişi arasındaki mikroyapı ve sertlik farklılıkları giderilir, ürünlerin mekanik, tokluk, tane yapısı ve bükülebilirlik özellikleri iyileştirilir. Tavlama sonrası yüksek yüzey kalitesine sahip ve parlak yüzeyli boru elde edilir.

Stress relieving and normalizing (bright annealing) are carried out offline with atmosphere controlled “rolled hearth furnace” between 550 - 700 °C (Stress relieving) ve 880-950 °C (normalizing) on full pipe body. By means of full body annealing; micro structure and hardness differences between the main material and weld seam are eliminated and the toughness, grain structure, bending and mechanical properties of the product are improved. After the annealing, pipes with bright surfaces, and high surface quality are obtained.

ÜRETİM PROGRAMI

Isıl İşlem Görmüş Borular

PRODUCTION PROGRAM
Heat Treated Round Tubes

	KALINLIK / THICKNESS (mm)																							
EBAT / SIZE (mm)	1.2	1.5	2.0	2.5	2.6	2.9	3.0	3.2	3.5	3.6	4.0	4.5	5.0	5.5	6.0	6.5	7.0	8.0	9.0	10.0	11.0	12.0	13.0	
Ø21.3																								
Ø25.0																								
Ø26.9																								
Ø26.7																								
Ø32.0																								
Ø33.7																								
Ø33.4																								
Ø42.4																								
Ø42.2																								
Ø48.3																								
Ø60.3																								
Ø73.0																								
Ø76.1																								
Ø88.9																								
Ø101.6																								
Ø114.3																								
Ø127.0																								
Ø139.7																								
Ø152.4																								
Ø159.0																								
Ø165.1																								
Ø168.3																								
Ø177.8																								
Ø193.7																								
Ø219.1																								
Ø244.5																								
Ø273.0																								
Ø323.9																								
Ø339.7																								

Boy Aralığı / Size Range

	4 - 8,5 m
	4 - 14 m
	5 - 14,6 m

YAŞAMIN HER ALANINDA IN ALL SPHERES OF LIFE

ISIL İŞLEM GÖRMÜŞ KUTU DİKDÖRTGEN PROFİLLER

HEAT TREATED
SQUARE AND
RECTANGULAR
HOLLOW
SECTIONS



Üretim Standartları / Production Standards :

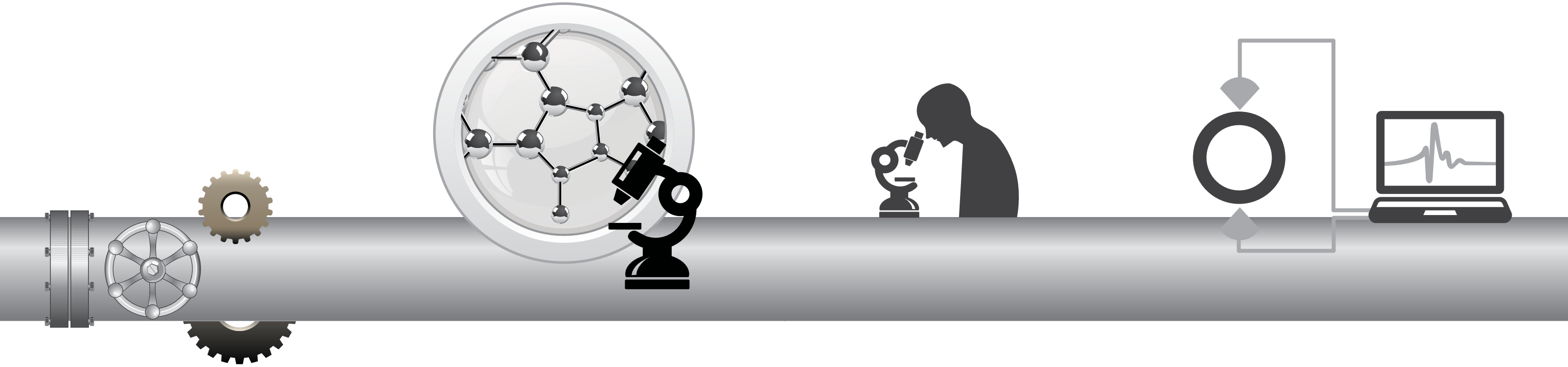
DIN 2395, ASTM A 500, ASTM A513-8a, ASTM A 500, EN 10210 1-2

Malzeme Kalitesi / Material Quality

ASTM A 513-8a	: MT 1010 , MT 1015 , MT X 1015 , MT 1020 MT X 1020
DIN 2395	: Ust 37-2, RSt 37-2 , St 37-3, St 44-2, St 44-3, M 22, QStE 340
EN 10210 1-2	: S235JRH, S275J0H, S275J2H, S355J0H, S355J2H, S355K2H, S275NH, : S275NLH, S355NH, S355NJH, S420NH, S420NLH, S460NH, S460 NLH
ASTM A 500	: GRADE D
EN 10305-5	: E155, E195, E235, E275, E355

KALİTE KONTROL

Quality Control



Mekanik Testler

Destructive Tests

- Yassılma Testi / Flattening Test,
- Genişletme Testi / Expanding Test,
- Çekme Testi / Tensile Test
- Çentik Darbe Testi
Charpy V Notch Impact Test

Kimyasal Analiz

Chemical Analysis

- Spektral Analiz / Spectral Analysis
- Görsel ve Boyutsal Kontrol
Visual and Dimensional Check

Metalografik Muayene

Metallographic Examination

- Makro Yapı Analizi / Macro Examination
- Mikro Yapı Analizi / Micro Examination
- Mikro Sertlik Analizi / Micro Hardness Analysis
- Tane Boyutu Kontrolü / Grain Size Control

HV ve HRC Sertlik Testi

HV and HRC Hardness Test

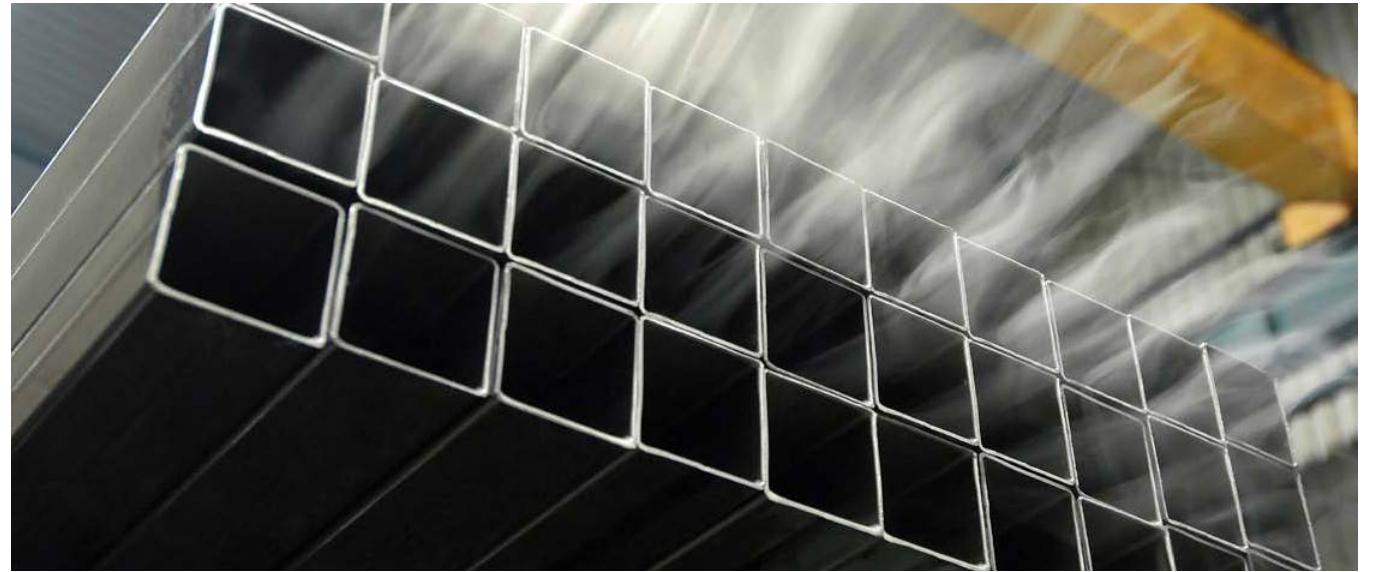
	KALINLIK / THICKNESS (mm)																	
EBAT / SIZE (mm)	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	8.0	9.0	10.0	11.0	12.0
20x20																		
20x30																		
20x40																		
20x50																		
20x60																		
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60x60																		
70X70																		
75X50																		
75X75																		
80X50																		
80X60																		
80X80																		
90X50																		
90X90																		
100X40																		
100X50																		
100X60																		
100X80																		
120X40																		
120X60																		
120X80																		
140X60																		
140X80																		
150X50																		
160X80																		

ÜRETİM PROGRAMI

Isıl işlem Görmüş Kare Dikdörtgen Profiller

PRODUCTION PROGRAM

Heat Treated Square / Rectangular Hollow Sections



	KALINLIK / THICKNESS (mm)																		
EBAT / SIZE (mm)	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	8.0	9.0	10.0	11.0	12.0	13.0
100X100																			
120X100																			
120X120																			
140X100																			
150X100																			
150X150																			
200X100																			
200X150																			
200X200																			
250X150																			
250X250																			
300X200																			
10"x10"																			
12"x8"																			

Boy Aralığı / Size range

- 4 - 8.5 m
- 4 - 12 m
- 4 - 14 m
- 5 - 14.5 m

TEKNİK BİLGİLER ASTAR BOYALI BORU VE KUTU PROFİLLER

TECHNICAL INFORMATION PRIMER COATED HOLLOW SECTIONS

NEDEN ANTİPAS ASTAR BOYALI BORU VE ANTİPAS PROFİLLER?

WHY ANTI-CORROSION PRIMER COATED HOLLOW SECTIONS?

- Boyanın korozyon direnci nedeniyle, ürünlerin raf ömrü uzar.
 - 2. kat uygulamalar için mükemmel bir zemin oluşturur.
 - Boru ve profil üzerindeki kesme sıvısının, kullanım sırasında boya öncesinde uzaklaştırılması için pahalı ve zahmetli yağ alma işlemleri ortadan kaldırılır.
 - Kullanım kolaylığı sağlar, imalat sürelerini kısaltır.
 - Boru ve profillerin, galvanizle kaplanmak istenmesi halinde yağ alma kimyasalı ile antipas boya kolayca uzaklaştırılabilir.
 - Kullanım yerinde yağ çözücü, boya, solvent gibi ürünlere ihtiyaç bırakmadığı için çevre dostu bir uygulamadır.
 - Kolay ve güvenle kaynak yapılabilir.
 - Ekonomiktir.
-
- The corrosion-resistant paint prolongs the shelf-life of products
 - Constitutes an excellent base for 2nd. layer applications.
 - Eliminates the costly and arduous task of removing the oil of the cutting liquid before the coating process.
 - Reduces production times and provides ease of use.
 - If the pipes and profiles need to be galvanized, anti-corrosion coating can be easily removed with an oil-removing chemical.
 - Environment-friendly application since it eliminates the need for coatings, solvent, and oil solvent products.
 - Can be welded easily and safely.
 - Economical.

**ORGANİK BOYA
SİSTEMLERİNE GÖRE
ÇEVRE DOSTUDUR**
MORE ENVIRONMENT-
FRIENDLY THAN ORGANIC
COATING SYSTEMS



SU BAZLI ANTİPAS ASTAR BOYANIN ÖZELLİKLERİ

PROPERTIES OF WATER-BASED ANTI-CORROSION PRIMER COATING

- Su bazlı olduğu için daha ekonomiktir.
 - Organik boya sistemlerine göre çevre dostudur.
 - Solvent içermediği için yangın tehlikesi daha azdır.
 - İnsan sağlığını olumsuz yönde etkilemez.
 - Boya ekipmanlarının temizliği çok kolaydır.
 - Koku olmadığı için uygulamadan hemen sonra malzeme kullanılabilir.
 - Kullanım alanı geniştir, her türlü metal kaplamaya uygundur.
 - UV ışınlarına ve ısıya dayanıklıdır. Zamanla sararma ve çatlama yapmaz.
 - Korozyon direnci, kimyasal direnci ve su direnci yüksektir.
 - Yapışma kabiliyeti yüksek, mekanik etkilere karşı dayanıklıdır.
 - Parlaklığı kalıcıdır, hızlı kurur.
 - Örtme gücü yüksektir.
 - Uygulaması kolaydır. Havalı havasız tabancalarla tatbik edilebilir.
-
- More affordable since it's water-based.
 - More environment-friendly than organic coating systems.
 - Less danger of fire because of non-solvent structure.
 - Not hazardous to human health.
 - The equipment is easy to clean.
 - The material can be used immediately after application since there is no odour.
 - Compatible with all kinds of metal coatings, has a wide use.
 - Resistant to UV rays and heat. Doesn't fade or crack in time.
 - Has a high resistance to corrosion, chemicals, and water.
 - Resistant to mechanical conditions, and is highly adhesive.
 - Dries fast and has a long-lasting shine.
 - Has high-coverage.
 - Easy to apply and can be used with pneumatic and non-pneumatic coating guns.

ANTİPAS ASTAR BOYALI BORU VE PROFİLLER NEREDE KULLANILIR

WHERE ANTICORROSION PRIMER COATED PIPES AND PROFILES ARE USED

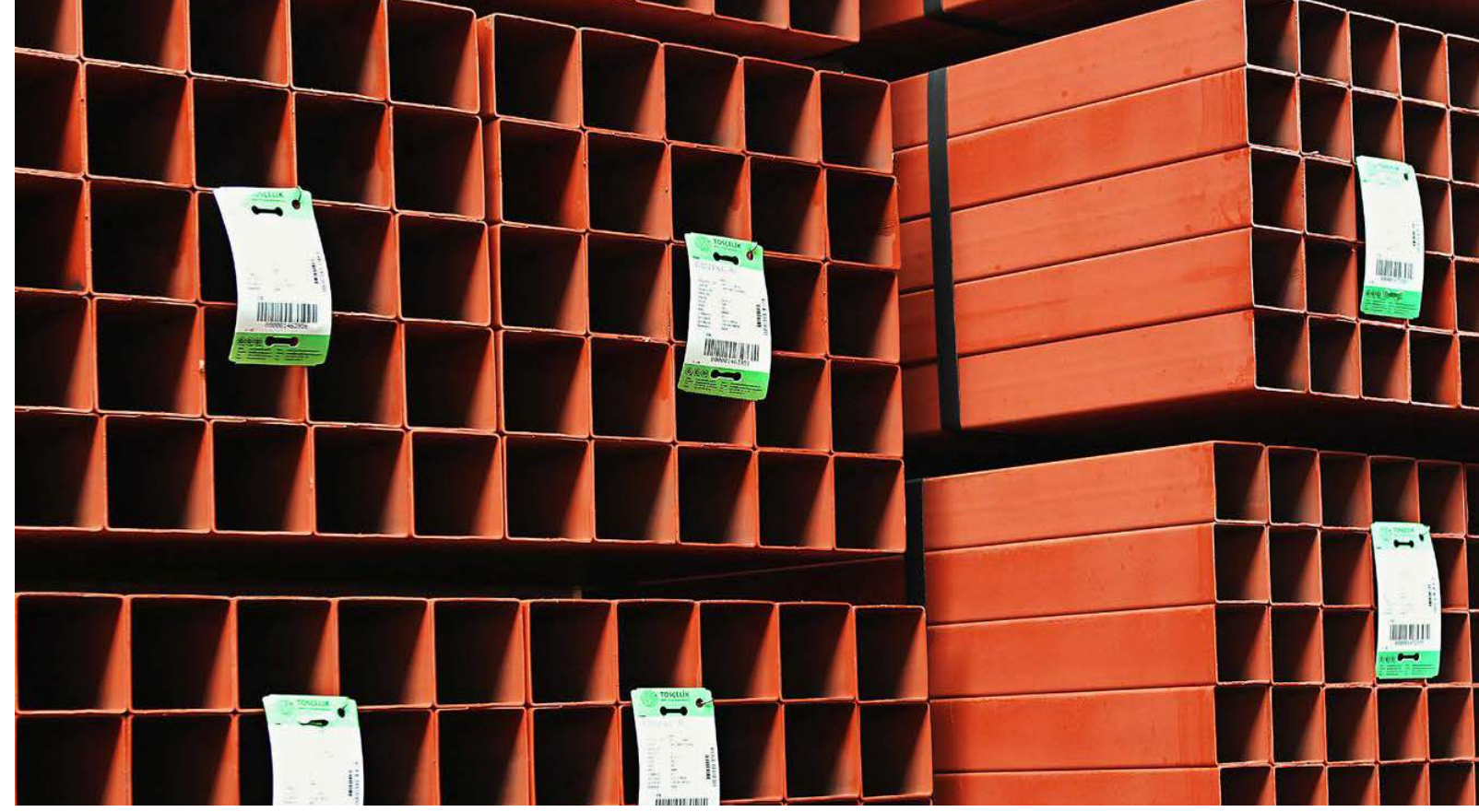
- Raf ve depolama sistemlerinde,
 - Çelik konstrüksiyon uygulamalarında,
 - İskele imalatlarında,
 - Otomotiv endüstrisinde,
 - Tarımsal ve endüstriyel ekipmanlarda,
 - İnşaat ve mimari uygulamalarda,
 - Konstrüksiyon profiller,
 - Balkon, pencere, merdiven ve bahçe korkuluklarında,
 - Binalara giydirilen dış cephe kaplamalarında,
 - Uzaktan kumandalı kapı profillerinde,
 - Dekoratif çalışmalarda,
- Shelf and storing systems,
 - Steel construction applications,
 - Scaffolding productions,
 - Automotive industry,
 - Agriculture and Industrial equipment,
 - Buildings and architectural applications,
 - Construction profiles,
 - Balcony, window, stairs and garden parapets,
 - Outside coatings of the buildings,
 - Remote controlled door profiles,
 - Decoration applications,

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ASTAR BOYALI KARE - DİKDÖRTGEN KUTU PROFİLLER

PRIMER COATED
SQUARE - RECTANGULAR
HOLLOW SECTIONS



Üretim Standartları / Production Standards :

EN 10305-5 (TS EN 10305-5), EN 10219 (TS EN 10219), DIN 2395, DIN 59411, BS 6363, ASTM A 500, TS 5317, TS 6475

Malzeme Kalitesi / Material Quality

DIN 17100	: St 12, St 33, St 37, St 44, St 52
EN 10025	: S 195, S 235 JR, S 235 J0, S 235 J2 : S 275 JR, S 235 J0, S 235 J2 : S 355 JR, S 355 J0, S 355 J2, S 355 K2
ASTM A 500	: Gr A , Gr B, Gr C, GR D
BS 6363	: Gr 34/26, Gr 43/36
EN 10305-5	: E190, E220, E260, : E320, E370, E420
AS/NZS 1163	C250, C250L0, C350, C350L0, C450, C450L0

Boru Uçları

Finishing Operations

Düz Uçlu / Square Cut

Yüzey Durumu

Surface Protection

Antipas Astar Boyalı

Renk : Kiremit Kırmızısı - Black
Boya Kalınlığı : 10 - 15 μm
İnceltme : Su ile

Tamir ;
Kaynak veya montaj sırasında hasarlanan boyalı bölge, toz, kir ve kabarmış kaplamalar tamamen temizlendikten sonra, TOSÇELİK antipas astar boya için özel olarak hazırlanmış rötüş boyası ile tamir edilir.

Color : Red-Brown and Black
Thickness of coating : 10 - 15 μm
Thinning : By Water

Anti-Corrosion Primer Coated

Repair ;
When a coated area is damaged during welding or mounting, first the damaged area is thoroughly cleaned from all dust, dirt and peeled flakes of coating and then repaired with the repair coating specially prepared for TOSÇELİK anticorrosion primer coating.

Test Sertifikası

Mill Test Certificates

EN 10204 (TS EN 10204)'e göre 2.1 , 2.2 , 3.1 , 3.2 deney belgeleri
According to EN 10204 2.1 , 2.2 , 3.1 , 3.2

ÜRETİM MATRİSİ

Astar Boyalı Kare Dikdörtgen Kutu Profiller

PRODUCTION RANGE

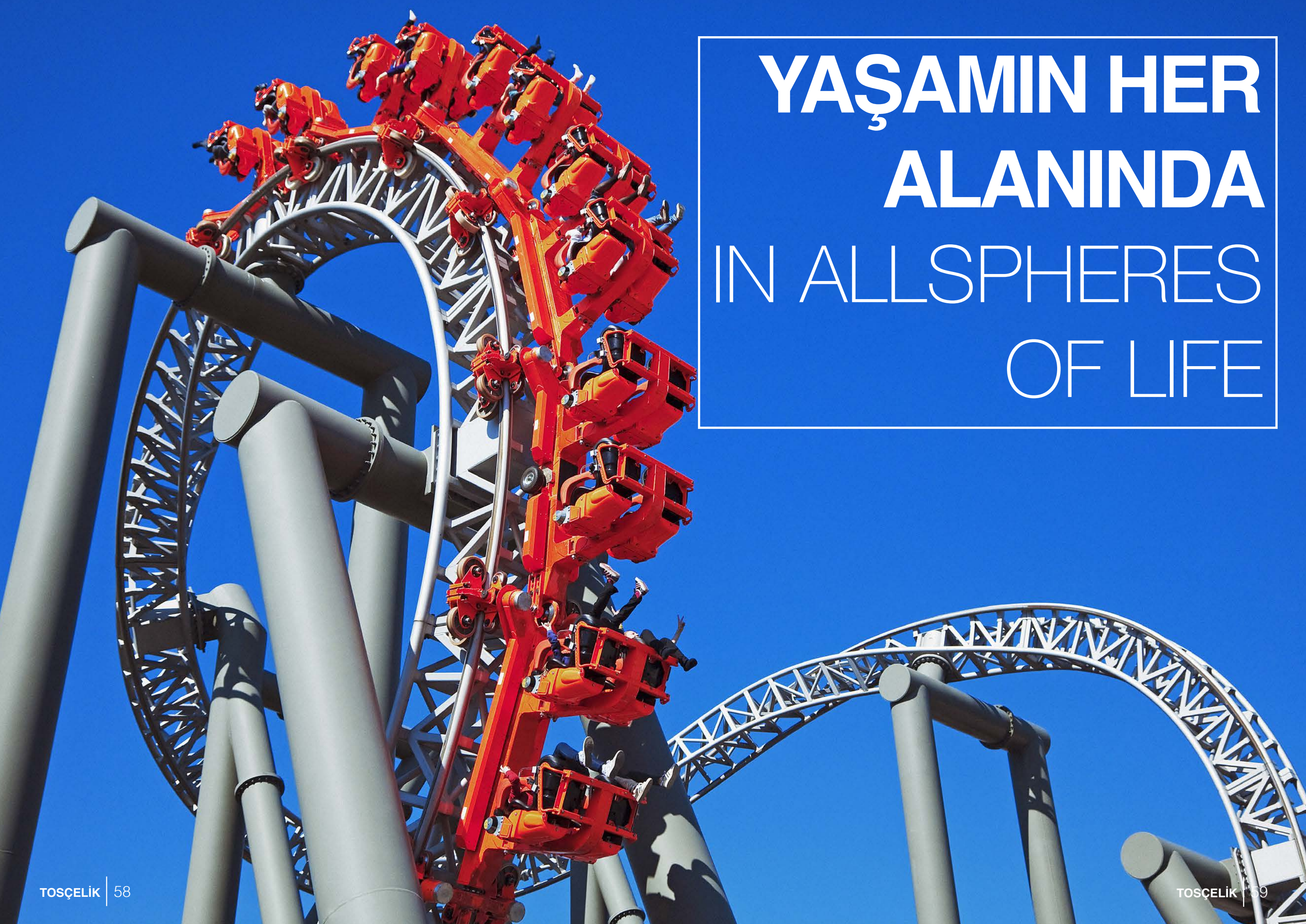
Primer Coated Square Rectangular Hollow Sections

Ebat (mm) Size (mm)	Et Kalınlığı (mm) - Wall Thickness (mm)												
	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	10.0
15X25													
20 x 20													
25 x 25													
30 x 20													
30 x 25													
30 x 30													
35 x 20													
35 x 25													
35 x 30													
35 x 35													
40 x 20													
40 x 25													
40 x 40													
40 x 30													
45 x 45													
50 x 20													
50 x 25													
50 x 30													
50 x 50													
60 x 20													

Ebat (mm) Size (mm)	Et Kalınlığı (mm) - Wall Thickness (mm)												
	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	10.0
50 x 40													
60 x 30													
60 x 40													
60 x 60													
70 x 30													
80 x 20													
70 x 50													
70 x 70													
80 x 40													
75 x 50													
80 x 50													
100 x 30													
80 x 60													
80 x 80													
90 x 50													
90 x 90													
100 x 40													
100 x 50													
100 x 60													
100 x 80													
100 x 100													
120 x 40													
120 x 60													
120 x 80													
120 x 100													

Ebat (mm) Size (mm)	Et Kalınlığı (mm) - Wall Thickness (mm)												
	1.2	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0	7.0	8.0	10.0
120 x 120													
125 x 125													
140 x 60													
140 x 80													
140 x 100													
140 x 140													
150 x 50													
150 x 100													
150 x 150													
160 x 40													
160 x 80													
160 x 160													
180 x 100													
180 x 120													
180 x 140													
180 x 180													
200 x 100													
200 x 120													
200 x 140													
200 x 150													
200 x 200													
250 x 100													
250 x 150													

Uzunluk / Length : 4 - 13 m
(Ebatlara göre uzunluk değişkendir / Length varies with the dimensions)

A low-angle shot of a roller coaster with orange cars and grey tracks against a clear blue sky. The track curves upwards and then downwards, supported by large grey pillars. The cars are filled with people, some of whom have their arms raised.

YAŞAMIN HER ALANINDA IN ALLSPHERES OF LIFE

ASTAR BOYALI KONSTRÜKSİYON SANAYİ BORULARI

PRIMER COATED
STRUCTURAL PIPES



Üretim Standartları / Production Standards :

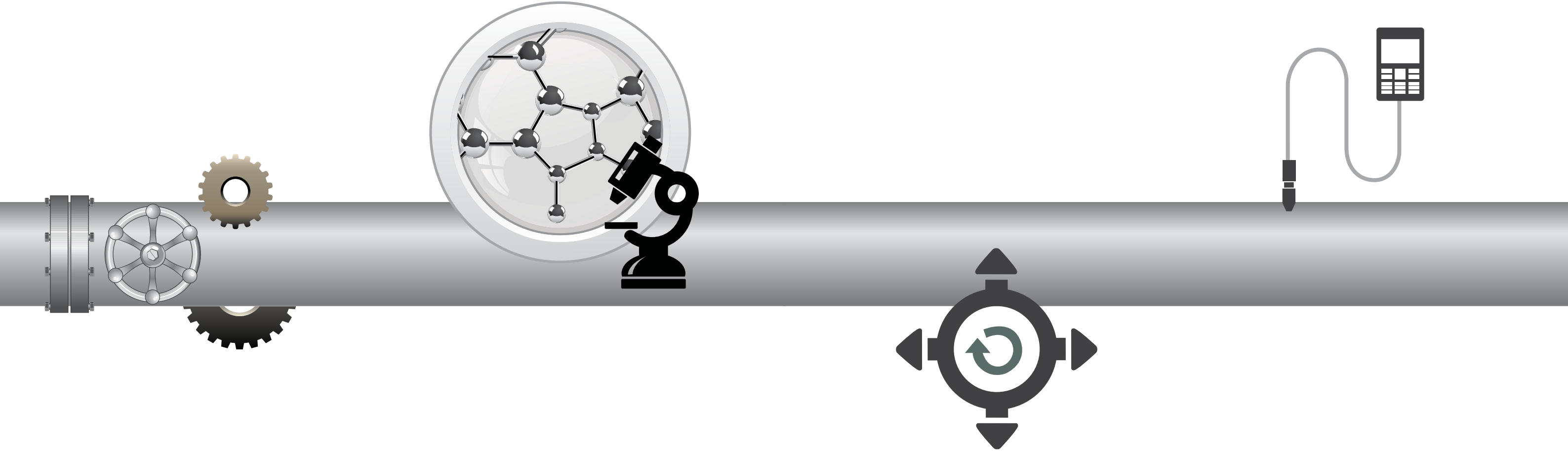
EN 10305-3 (TS EN 10305-3), EN 10219 (TS EN 10219), DIN 2394, DIN 1615, BS 6363, ASTM A 500, BS 1139

Malzeme Kalitesi / Material Quality

DIN 17100	: St 12, St 33, St 37, St 44, St 52
EN 10025	: S 195, S 235 JR, S 235 J0, S 235 J2
	: S 275 JR, S 235 J0, S 235 J2
	: S 355 JR, S 355 J0, S 355 J2, S 355 K2
ASTM A 500	: Gr A , Gr B, Gr C,Gr D
BS 6363	: Gr 34/26, Gr 43/36
EN 10305-3	: E 190, E 220, E 260, E 320, E 370, E420

KALİTE KONTROL

Quality Control



Mekanik Testler

Destructive Tests

- Yassılma Testi / Flattening Test
- Ağız Genişletme Testi / Expanding Test
- Çekme Testi / Tensile Test
- Çentik Darbe Testi
- Charpy V Notch Impact Test

Kimyasal Analiz

Chemical Analysis

- Spektral Analiz / Spectral Analysis
- Görsel ve Boyutsal Kontrol
- Visual and Dimensional Check

Görsel ve Boyutsal Kontrol

Visual and Dimensional Check

Kaplama Kalınlığı Ölçümü

Coating Thickness Measurement

Boru Uçları

Finishing Operations

Düz Uçlu / Square Cut

Yüzey Durumu

Surface Protection

Antipas Astar Boyalı

Renk : Kiremit Kırmızısı - Siyah
Boya Kalınlığı : 10 - 15 μ m
İnceltme : Su ile

Tamir ;
Kaynak veya montaj sırasında hasarlanan boyalı bölge, toz, kir ve kabarmış kaplamalar tamamen temizlendikten sonra, TOSÇELİK antipas astar boya için özel olarak hazırlanmış rötuş boyası ile tamir edilir.

Anti-Corrosion Primer Coated

Color : Red-Brown and black
Thickness of coating : 10 - 15 μ m
Thinning : By Water

Repair ;
After cleaning the damaged coated area, dust, dirt and swelled coatings occurring during welding and mounting are repaired with repair coating being prepared specially for TOSCELİK anticorrosion primer coating.

Test Sertifikası

Mill Test Certificates

EN 10204 (TS EN 10204)'e göre 2.1 , 2.2 , 3.1 , 3.2 deney belgeleri
acc to EN 10204 2.1 , 2.2 , 3.1 , 3.2

ÜRETİM PROGRAMI

Astar Boyalı Sanayi Boruları

PRODUCTION PROGRAM

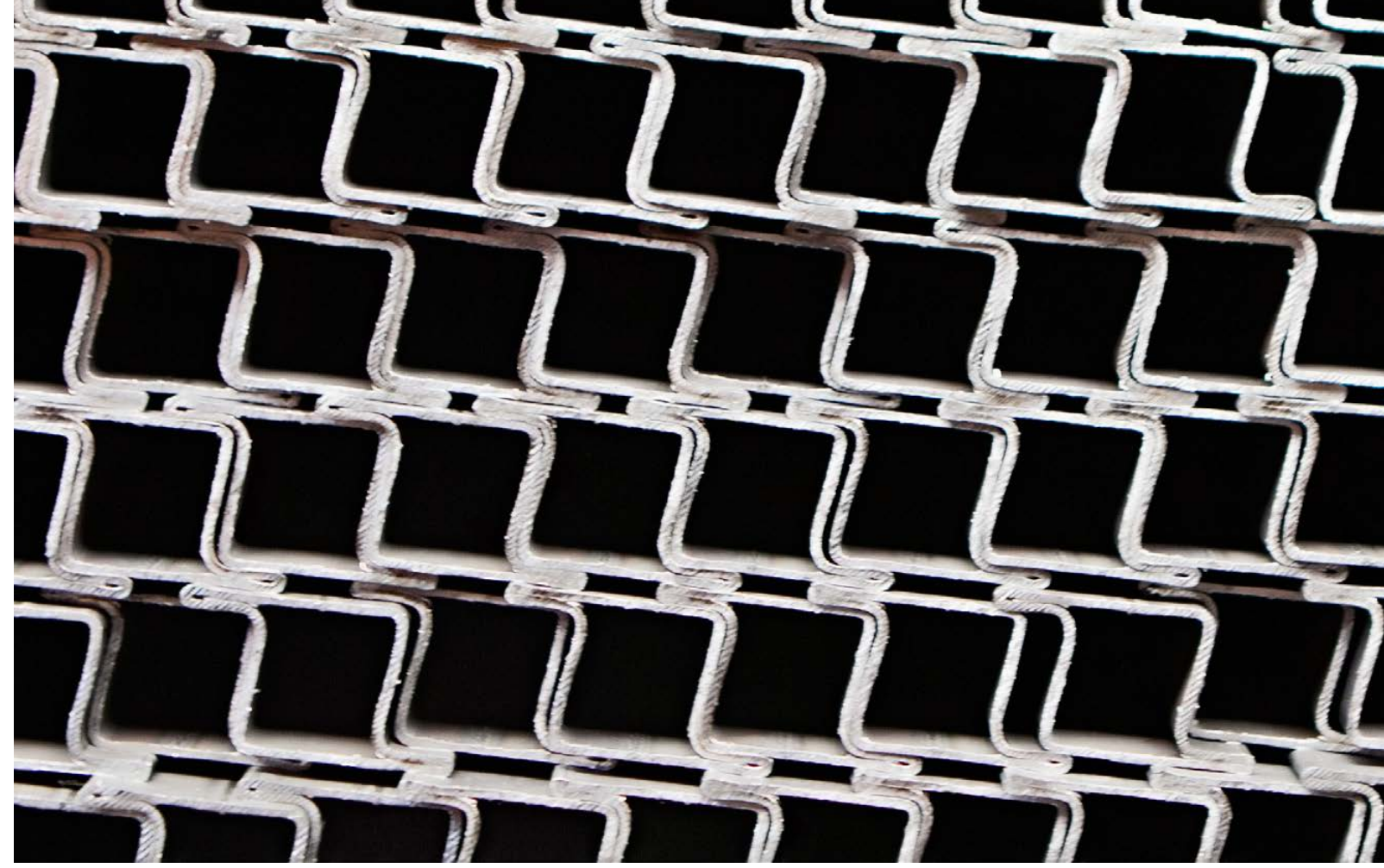
Primer Coated Structural Tubes

Ebat Size (mm)	Et Kalınlığı (mm) - Wall Thickness (mm)																			
	1.2	1.5	2.0	2.3	2.6	2.9	3.2	3.6	4.0	4.5	5.0	6.0	6.5	7.0	8.0	9.0	10.0	11.0	12.0	13.0
21.3																				
25																				
26.9																				
32																				
33.7																				
38																				
42.4																				
45																				
48.3																				
51																				
57																				
60.3																				
63																				
76.1																				
88.9																				
101.6																				
114.3																				
168.3																				
219.1																				
273																				
323.9																				
339.7																				

Uzunluk / Length : 4 - 14.6 m
(Ebatlara göre uzunluk değişkendir / Length varies with the dimensions)

ÖZEL KESİTLİ PROFİLLER

TUBES WITH
SPECIAL
SECTION



Üretim Standartları / Production Standards :

EN 10305-5 (TS EN 10305-5), EN 10219 (TS EN 10219)

Malzeme Kalitesi / Material Quality

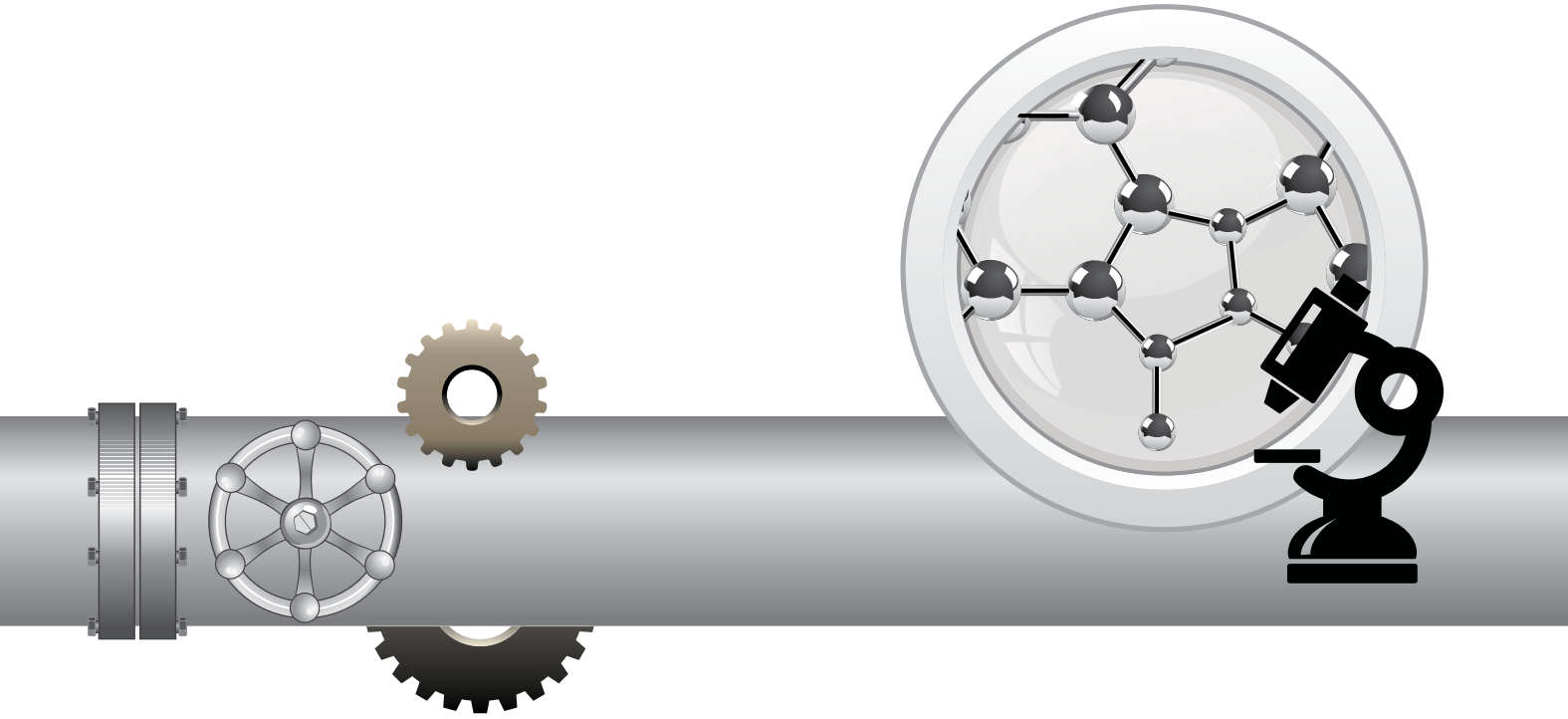
DIN 17100 : St 33, St 37, St 44

EN 10025 : S 235 JR, S 235 J0, S 235 J2

: S 275 JR, S 275 J0, S 275 J2

KALİTE KONTROL

Quality Control



Mekanik Testler

Destructive Tests

- Yassıltma Testi / Flattening Test
- Geniřletme Testi / Expanding Test
- Çekme Testi / Tensile Test
- Çentik Darbe Testi
Charpy V Notch Impact Test

Kimyasal Analiz

Chemical Analysis

- Spektral Analiz / Spectral Analysis
- Görsel ve Boyutsal Kontrol
Visual and Dimensional Check

Boru Uçları

Finishing Operations

Düz Uçlu / Square Cut

Yüzey Durumu

Surface Protection

Koruyucu Yağlı / Protective Oil Upon Request

Test Sertifikası

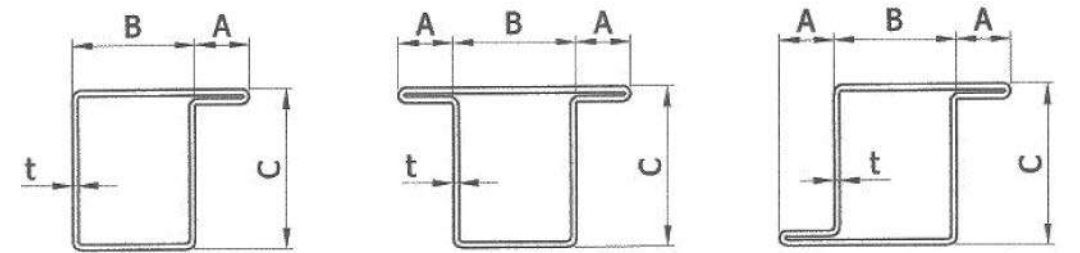
Mill Test Certificates

EN 10204 (TS EN 10204)'e göre 2.1 , 2.2 , 3.1 , 3.2 deney belgeleri
According to EN 10204 2.1 , 2.2 , 3.1 , 3.2

L / T / Z KESİTLİ PROFİLLER

Tubes With L / T / Z
Shaped Section

Anma Designation	EBAT SIZE	ET KALINLIĞI (mm) WALL THICKNESS		
		1.2	1.5	2
	A X B X C mm.			
28 L	12.5 x 25 x 28			
28 T	12.5 x 25 x 28			
28 Z	12.5 x 25 x 28			
33 L	15 x 30 x 33			
33 T	15 x 30 x 33			
33 Z	15 x 30 x 33			





YAŞAMIN HER ALANINDA IN ALL SPHERES OF LIFE

Certificate of Authority to use the Official API Monogram
License Number: 5CT-1480 ORIGINAL

The American Petroleum Institute hereby grants to

TOSCELİK PROFILE AND SHEET IND. CO.
Osmaniye ERW Pipe Facility
Organize Sanayi Bölgesi
Osmaniye, Toprakkale
Turkey

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and API Spec 5CT and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram should be used in conjunction with this certificate number: **5CT-1480**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: **Manufacturer of Electric-Welded Casing or Tubing Plain End at Group 1, H40/PSL 1, J55/PSL 1, K55/PSL 1; Processor of Casing or Tubing Plain End at Group 1, J55/PSL 1, K55/PSL 1**

QMS Exclusions: Section 7.3, Design and Development; Section 7.5.4, Customer Property

American Petroleum Institute
John D. Modine
Director of Global Industry Services

Effective Date: **SEPTEMBER 5, 2012**
Expiration Date: **SEPTEMBER 5, 2015**

To verify the authenticity of this license, go to www.api.org/compositelist.

Certificate of Authority to use the Official API Monogram
License Number: 5L-0945 ORIGINAL

The American Petroleum Institute hereby grants to

TOSCELİK PROFILE AND SHEET IND. CO.
Osmaniye ERW Pipe Facility
Organize Sanayi Bölgesi
Osmaniye, Toprakkale
Turkey

the right to use the Official API Monogram® on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1® and API Spec 5L and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram should be used in conjunction with this certificate number: **5L-0945**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: **Manufacturer of Line Pipe Plain End at PSL 1: Type of Pipe: HFW / Delivery Condition: R, N, M / Highest Grade: X70; Manufacturer of Line Pipe Plain End at PSL 2: Type of Pipe: HFW / Delivery Condition: R, N, M / Highest Grade: X60; Processor of Line Pipe Plain End at PSL 1; Processor of Line Pipe Plain End at PSL 2**

QMS Exclusions: Section 7.3, Design and Development; Section 7.5.4, Customer Property

American Petroleum Institute
John D. Modine
Director of Global Industry Services

Effective Date: **SEPTEMBER 5, 2012**
Expiration Date: **SEPTEMBER 5, 2015**

To verify the authenticity of this license, go to www.api.org/compositelist.

CERTIFICATE
FOR PRODUCT OF MATERIAL MANUFACTURER
CONFORMING TO
PRESSURE EQUIPMENT DIRECTIVE 97/23/EC

No : TA 295 12 1866

Manufacturer : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi, Samsaklı
İskenderun - HATAY / TURKEY

in the Factory : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi
Toprakkale - OSMANIYE / TURKEY

The submitted datum manufacturer has been approved according to Pressure Equipment Directive 97/23/EC

Product : Electric Resistance Welded (ERW) Pipes

Type : Length : 4 to 14,6 m
Outside diameter : 10,3 mm to 339,7 mm
Wall Thickness : 0,6 to 13 mm

The scope of this approval and other details are described in our Technical Report.

All requirements are met.

Beside other the following main preconditions are given:

- Technical equipment for a proper and up-to-date manufacturing and testing.
- A quality assurance which guarantees that manufacturing and inspection of products stated in our report, are carried out in accordance with technical regulations.
- Competent supervising and inspecting personnel.

Base of certificate : Final Report No : TSC-PED-270712

This certificate was first issued on 30 July 2012. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

The validity of Certificate is limited to: 29 July 2015

Issued and signed by TÜV AUSTRIA CERT GMBH
Mr. Fatih Cihan ÖNDER

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TÜV AUSTRIA CERT GMBH
Kuglerstraße 16, A-1015
Wien-AUSTRIA www.tuv.at

Tel : +43 / 1 / 514 07 - 6062
Fax : +43 / 1 / 514 07 - 6065
E-mail : cert@tuv.at

SERTİFİKA
EN 10208-2
FABRİKA ÜRETİM KONTROL SERTİFİKASI
Yanıcı akışkanlar için boru hatları - Çelik borular
Teknik teslim şartları
Bölüm 2: Sınıf B özellikli borular

No : TA 295 12 1867

Bu sertifika, Teknik Komitenin ECIS/TC 29 "Steel Tubes and fittings for steel tubes" and Subcommittee SC 2 "Line Pipes" kararına göre hazırlanmıştır. İfade edildiği gibi,

Ürün : Kural olarak yanıcı akışkan ileten kaynaklı çelik borular için gereksinimler - yanıcı akışkan borulama uygulamaları dışında

Tip : Elektrik Direnç Kaynaklı - ERW Borular için EN 10208-2:2009 standardına göre:
Çelik Kalitesi : L245NB, L290NB, L360NB, L415NB, L245MB, L290MB, L360MB, L415MB, L450MB, L485MB
Boy : 4 to 14,6 m
Diğ Çap : 10,3 mm to 339,7 mm
Et Kalınlığı : 0,6 to 13 mm

Tanımlar : Basınçlı borular, Çelik, Boru, Dikili borular, Kaynak, Teslim, Alajsız çelikler

Referans Standartlar : EN 473, EN ISO 5173, EN 1011-1 ve 2, EN ISO 6892-1, EN 10020, EN 10021, EN 10027-1, EN 10027-2, EN ISO 148-1, EN 10052, EN 10079, EN 10168, EN 10204, EN 10220, EN ISO 10893-2, EN ISO 10893-3, EN ISO 10893-10, EN ISO 10893-11, EN ISO 10893-6, EN ISO 10893-8, EN ISO 10893-9, EN 10256, EN 10266, EN 10274, EN ISO 377, EN ISO 2566-1, EN ISO 6506-1, EN ISO 6508-1, EN ISO 8492, EN ISO 14284, ISO 19232-1, CEN/TR 10261

Üretici : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi İskenderun / Hatay - TURKEY

Fabrika : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi Osmaniye - TURKEY

Üretici tarafından teslim edilen fabrika üretim kontrol ilk tip testlerini ve fabrika test planı doğrultusunda fabrikada numune alınarak yapılan ilave testlerini ve sertifikasyon kuruluşu olarak TÜV AUSTRIA'ya gerçekleştirdiği, fabrikasını birincil gözetimi ve onun fabrika üretim kontrolünü ve sürekli gözetim performansını ve fabrika üretim kontrolünü onaylan.

Standart : EN 10208-2:2009

Sertifikanın dayanağı : Final Report No : TSC-10208-12-01

Bu sertifika ilk kez 29 Temmuz 2012'de düzenlenmiştir. İmalatçı üretim ve kalite sisteminde veya çelik boruların kapsamında ciddi değişiklikler neticelenerek her türlü faaliyet hakkında kuruluşu bildirmek zorundadır. Yayınlanmış sertifikanın koşullarına aykırı herhangi bir durum meydana gelindiğinde, kuruluş sertifikanın geçerliliğini askıya alabilir veya sertifika iptal edilebilir.

Sertifikanın Geçerliliğinin Bittiği Tarih: 30 Temmuz 2014

TÜV AUSTRIA CERT GMBH ADINA

Hazırlayan:
İsim: Mustafa Şirin
İmza: *Mustafa Şirin*

Onaylayan:
İsim: Fatih Cihan Önder
İmza: *Fatih Cihan Önder*

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Wien-AUSTRIA www.tuv.at

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Fax : +43 / 1 / 514 07 - 6065
E-mail : cert@tuv.at

CERTIFICATE
OF FACTORY PRODUCTION CONTROL ACC. TO EN 10208-2
Steel Pipes for Pipelines for combustible fluids
Technical Delivery Conditions
Part 2 : Pipes of requirement class B

Number : TA 295 12 1867

This certificate has been prepared in accordance with Technical Committee's Conclusion ECIS/TC 29 "Steel Tubes and fittings for steel tubes" and Subcommittee SC 2 "Line Pipes". It has been stated that

The Construction Product : The requirements for welded steel pipe that, as a rule, are used to convey combustible fluids, excluding applications for Pipelines for combustible fluids

Type : According to Standard for Electric Resistance Welded (ERW) Pipes:
EN 10208-2:2009
Steel Quality : L245NB, L290NB, L360NB, L415NB, L245MB, L290MB, L360MB, L415MB, L450MB, L485MB
Length : 4 to 14,6 m
Outside diameter : 10,3 mm to 339,7 mm
Wall Thickness : 0,6 to 13 mm

Descriptions : Pressure pipes, Steels, Pipes, Seamed pipes, Welding, Delivery, Unalloyed steels

Cross References : EN 473, EN ISO 5173, EN 1011-1 and 2, EN ISO 6892-1, EN 10020, EN 10021, EN 10027-1, EN 10027-2, EN ISO 148-1, EN 10052, EN 10079, EN 10168, EN 10204, EN 10220, EN ISO 10893-2, EN ISO 10893-3, EN ISO 10893-10, EN ISO 10893-11, EN ISO 10893-6, EN ISO 10893-8, EN ISO 10893-9, EN 10256, EN 10266, EN 10274, EN ISO 377, EN ISO 2566-1, EN ISO 6506-1, EN ISO 6508-1, EN ISO 8492, EN ISO 14284, ISO 19232-1, CEN/TR 10261

Produced by Manufacturer : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi İskenderun / Hatay - TURKEY

in the Factory : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi Osmaniye - TURKEY

is submitted by the manufacturer to the initial type-testing of the product a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body TÜV AUSTRIA has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

of the standard : EN 10208-2:2009

Base of certificate : Final Report No : TSC-10208-12-01

This certificate was first issued on 30 July 2012. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

The validity of Certificate is limited to: 29 July 2014

ON BEHALF OF TÜV AUSTRIA CERT GMBH

Issued by:
Name: Mustafa Şirin
Sign: *Mustafa Şirin*

Validated by:
Name: Fatih Cihan Önder
Sign: *Fatih Cihan Önder*

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TÜV AUSTRIA CERT GMBH
Kuglerstraße 16, A-1015
Wien-AUSTRIA www.tuv.at

Tel : +43 / 1 / 514 07 - 6062
Fax : +43 / 1 / 514 07 - 6065
E-mail : cert@tuv.at

Quality-Assurance Systems for Pipe Manufacturer according to Directive 97/23/EC (Pressure Equipment)

Number: TA 295 12 1866

In compliance the directive 97/23/EC of the European Parliament and of the Council of 29 May 1997 on the approximation of the laws of the Member States concerning pressure equipment, It has been stated that

The Construction Product : Welded steel tubes for pressure purposes. Technical delivery conditions. Non-alloy steel tubes with specified room temperature properties

Type : According to Standard for Electric Resistance Welded (ERW) Pipes :
EN 10217-1:2002
Steel Quality : P195 TR1, P235 TR1, P265 TR1, P195 TR2, P235 TR2, P265 TR2, S235, S275, S355 Series
Length : 4 to 14,6 m
Outside diameter : 10,3 mm to 339,7 mm
Wall Thickness : 0,6 to 13 mm

Produced by Manufacturer : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi İskenderun / Hatay - TURKEY

in the Factory : TOSCELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi Osmaniye - TURKEY

is submitted by the manufacturer to the initial type-testing of the product a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body TÜV Austria has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in the Annex ZA.

of the standard : EN 10217-1

Base of certificate : Final Report No : TSC-10217-12-01

This certificate was first issued on 30 July 2012. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

Date/Place : 30 July 2012 **Expiry Date: 29 July 2014**

ON BEHALF OF TÜV AUSTRIA CERT GMBH

Issued by:
Name: Mustafa ŞİRİN
Sign: *Mustafa Şirin*

Validated by:
Name: Fatih Cihan ÖNDER
Sign: *Fatih Cihan ÖNDER*

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Wien-AUSTRIA www.tuv.at

Tel : +43 / 1 / 514 07 - 6062
Fax : +43 / 1 / 514 07 - 6065
E-mail : cert@tuv.at

EC Declaration of Conformity

We

TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi Osmaniye - TURKEY
Tel: +90 328 826 80 80 Faks: +90 328 826 80 89
Web: www.tosvaliholding.com.tr

declare under sole responsibility that

Non-alloy Steel Tubes suitable for welding and threading, in conformity with

European Standard EN 10255:2004 + A1:2007

meet all requirements of EC Directive on Structural Products 89/106/EEC, amended by European Commonwealth Council Directive 93/68/EEC.

Tosçelik Profil ve Sac Endüstrisi A.Ş. has approved Quality Management System on screwed and socketed steel tubes and tubular and for plain end steel tubes production in accordance with EC Directive 89/106/EEC, amended by European Commonwealth Council Directive 93/68/EEC, on structural products with respect to steel products corresponding to Annex ZA of European Standard EN 10255:2004+A1:2007 (Essential Requirements specified in Table ZA.1 and Corresponded Clauses 8.7, 8.2 - Table 1, 8.4.3 to 8.4.6, 8.5, 8.6 and 7.4 of that standard).

Quality Assurance System and Factory Production Control of material manufacturer was verified and approved by the following European authorized and notified organisations for technical approvals;

Records on initial type testing of specified products are saved in Factory Production Control Archive of Manufacturer.

Certificate No : TAT-012 01 76, Date : 30 July 2012

Manufacturer
TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
(Authorized Signature and Title)

EU Representative
ON BEHALF OF TÜV AUSTRIA
(Authorized Signature and Title)

HAKAN ÖZDEMİR
Plant Manager
TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.

FATİH CİHAN ÖNDER
General Manager
TÜV AUSTRIA TÜRK LTD.

"Dedal - Attestation and Certification" Ltd. Bulgaria

Notified body №1922

Parter, 50 block, j. k. "Mladost"
8230 Nesebar
Bulgaria

EC CERTIFICATE

of

Factory Production Control

1922 - CPD - 0182

In compliance with "Council Directive of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (89/106/EEC)" (the Construction Products Directive or CPD), as amended by Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

Hot finished structural hollow sections for steel structures of non-alloy steels-S235JRH, S275J0H, S275J2H, S355J0H, S355J2H, S355K2H, circular, square and rectangular forms, Thickness: 2.0 mm to 13.0 mm,

placed on the market by

TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.

Organize Sanayi Bölgesi, Toprakkale, OSMANİYE, TURKEY
and produced in the factory in
Organize Sanayi Bölgesi Toprakkale, OSMANİYE, TURKEY

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No. 1922 - "Dedal - Attestation and Certification" Ltd. - has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standard

EN 10210-1:2006

were applied.

This certificate was first issued on 27 March 2013 and remains valid as long as the conditions laid down in the harmonized technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Manager:
dip.eng. Anna Vasileva

Issued: Nesebar, 27 March 2013

Verification of validity of the issued certificates can be done in the register of certificates on www.dedal-bg.net

"Dedal - Attestation and Certification" Ltd. Bulgaria

Notified body №1922

Parter, 50 block, j. k. "Mladost"
8230 Nesebar
Bulgaria

EC CERTIFICATE

of

Factory Production Control

1922 - CPD - 0148

In compliance with "Council Directive of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (89/106/EEC)" (the Construction Products Directive or CPD), as amended by Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

COLD FORMED WELDED STRUCTURAL HOLLOW SECTIONS OF NON-ALLOY AND FINE GRAIN STEELS-CIRCULAR, SQUARE AND RECTANGULAR FORMS,

placed on the market by

TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.

Organize Sanayi Bölgesi, Toprakkale, OSMANİYE, TURKEY
and produced in the factory in
Organize Sanayi Bölgesi Toprakkale, OSMANİYE, TURKEY

is submitted by the manufacturer to the initial type-testing of the product, a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No. 1922 - "Dedal - Attestation and Certification" Ltd. - has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of factory production control described in Annex ZA of the standards

EN 10219-1:2006

were applied.

This certificate was first issued on 21.11.2012 and remains valid as long as the conditions laid down in the harmonized technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly. The certificate is supported through annual surveillance audits and is reissued after each surveillance audit. This certificate should be reissued not later than 21.11.2013.

Manager:
eng. Anna Vasileva

Issued: Nesebar, 21 November 2012

Verification of validity of the issued certificates can be done in the register of certificates on www.dedal-bg.net

CERTIFICATE OF FACTORY PRODUCTION CONTROL

ACCORDING TO AWWA C222

Number : TAT-012 01 586

The undersigned certifies that the described products meet the essential requirements of the below mentioned standards as based on AWWA C222 Polyurethane Coatings for the Interior & Exterior of Steel Water Pipe & Fittings.

Product : Polyurethane coating for the interior of steel pipes and fittings; requirements and testing

Type : Polyurethane coated electric resistance welded (ERW) pipes and fittings according to relevant standard : Length : **4 to 14,6 m** Outside diameter : **60,3 mm to 339,7 mm** Interior Coating Thickness : **min 500 µm**

Descriptions : Pressure pipes, steels, pipes, seamed pipes, welding, delivery, unalloyed steels, polyurethane, coating

Reference Standards : AWWA C203, AWWA C209, AWWA C210, AWWA C216, AWWA C217, ASTM D522, ASTM D543, ASTM D570, ASTM D2240, ASTM D2794, ASTM D4060, ASTM D4417, ASTM D4541, ASTM G95, NACE RP-0188, SSPC PA 1, SSPC PA 2, SSPC PA 3, SSPC SP 1, SSPC SP 10/NACE No.2, SSPC VIS 1 1989

Manufacturer : TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi Iskenderun / Hatay - TURKEY

in the Factory : TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi Osmaniye - TURKEY

TÜV AUSTRIA, certifies by the manufacturer to the production and initial type-testing of the polyurethane coated pipes a factory production control and to the further lining or coating testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control in the above production ranges accordance with the requirements of AWWA C222.

of the standard : AWWA C222-08, AWWA Standard for Polyurethane Coatings For The Interior & Exterior Of Steel Water Pipe & Fittings

Base of certificate : Final Report No : TOS-C222-01

This certificate was first issued on 28 February 2013. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included polyurethane coated or lined steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

The validity of Certificate is limited to: 27 February 2015

ON BEHALF OF TÜV AUSTRIA TURK

Issued by: Name: Mustafa SIRIN
Sign:

Validated by: Name: Fatih Cihan ÖNDER
Sign:

"The duplication of this document in parts is subject to the approval by TÜV AUSTRIA TURK"

TÜV AUSTRIA TURK
Oral Plaza, Ex-Imler Cad. Etiler Sok.
No: 4/13, Kat:5 ve 6 Pk:34810
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Tel.: +90 216 537 08 12
Fax: +90 216 537 08 13
E-mail: office@tuv-turk.com

CERTIFICATE OF FACTORY PRODUCTION CONTROL

ACCORDING TO DIN 30670

Number : TAT-012 01 587

The undersigned certifies that the described products meet the essential requirements of the below mentioned standards as based on DIN 30670 Polyethylene coatings of steel pipes and fittings - Requirements and testing.

Product : Polyethylene coatings of steel pipes and fittings; requirements and testing

Type : Polyethylene coated electric resistance welded (ERW) pipes and fittings according to relevant standard : Length : **4 to 14,6 m** Outside diameter : **21,3 mm to 339,7 mm** Coating Thickness : **1,8 mm to 3,7 mm**

Descriptions : Pressure pipes, steels, pipes, seamed pipes, welding, delivery, unalloyed steels, polyethylene, coating

Reference Standards : DIN 2448, DIN 2458, DIN 30674 Part 1, DIN 50 049, DIN 53 387, DIN 53 455, DIN 53 735, DIN 55 928 Part 4, DIN VDE 0303 Part 3, DIN VDE 0433 Part 2, ASTM G 8-90

Manufacturer : TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi Iskenderun / Hatay - TURKEY

in the Factory : TOSÇELİK PROFİL VE SAC ENDÜSTRİSİ A.Ş.
Organize Sanayi Bölgesi Osmaniye - TURKEY

TÜV Austria certifies by the manufacturer to the production and initial type-testing of the polyethylene coated pipes a factory production control and to the further coating testing of samples taken at the factory in accordance with a prescribed test plan and that the certification body has performed the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control in the above production ranges accordance with the requirements of DIN 30670.

of the standard : DIN 30670:2012 Polyethylene coatings of steel pipes and fittings - Requirements and testing

Base of certificate : Final Report No : TOS-30670-2013-01

This certificate was first issued on 28 February 2013. The manufacturer must inform the body about any intention resulting in significant modification of production and quality system or scope of included polyethylene coated steel pipes. In the event that the conditions under which the Certificate has been issued are violated, the body may suspend the Certificate's validity or cancel the certificate.

The validity of Certificate is limited to: 27 February 2015

ON BEHALF OF TÜV AUSTRIA TURK

Issued by: Name: Mustafa SIRIN
Sign:

Validated by: Name: Fatih Cihan ÖNDER
Sign:

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