



TOSÇELİK Profil ve Sac

Gaz ve Su Boruları

Gas and Water Pipes



TOSÇELİK Profil ve Sac

www.toscelik.com.tr

OSMANİYE
ERW ÇELİK BORU FABRİKASI

Organize Sanayi Bölgesi P.K
80950 Toprakkale / OSMANİYE

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Faks : 0 328 826 80 09

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ERW ÇELİK BORU FABRİKASI

Org. San. Böl. Sarıseki
İskenderun / Hatay

Tel : 0 326 656 28 90
Faks : 0 326 656 21 00

Tosçelik Profil ve Sac End. A.Ş. bir Tosyalı Holding kuruluşudur.
www.tosyaliholding.com.tr / info@tosyaliholding.com.tr



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 üretiliyoruz. 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

YAŞAMIN HER ALANINDA IN ALL SPHERES OF LIFE

SU VE GAZ BORULARI

WATER AND GAS PIPES



Üretim Standartları / Production Standards :

EN 10255 (TS EN 10255) CE MARKED ,EN 10224 (TS 9341 EN 10224) ASTM A 53
DIN 2440 , DIN 2441 , BS 1387 , NFA 49-145,ISO 65
(TS ISO 65) , UNI 8863 , SI 103, SI 530, SI 4314, ASTM A 795, DIN 1626, EN 10217-1
(TS EN 10217-1) EN 10217-2 (TS EN 10217-2)

Galvanizleme Standartları / Galvanizing Standards :

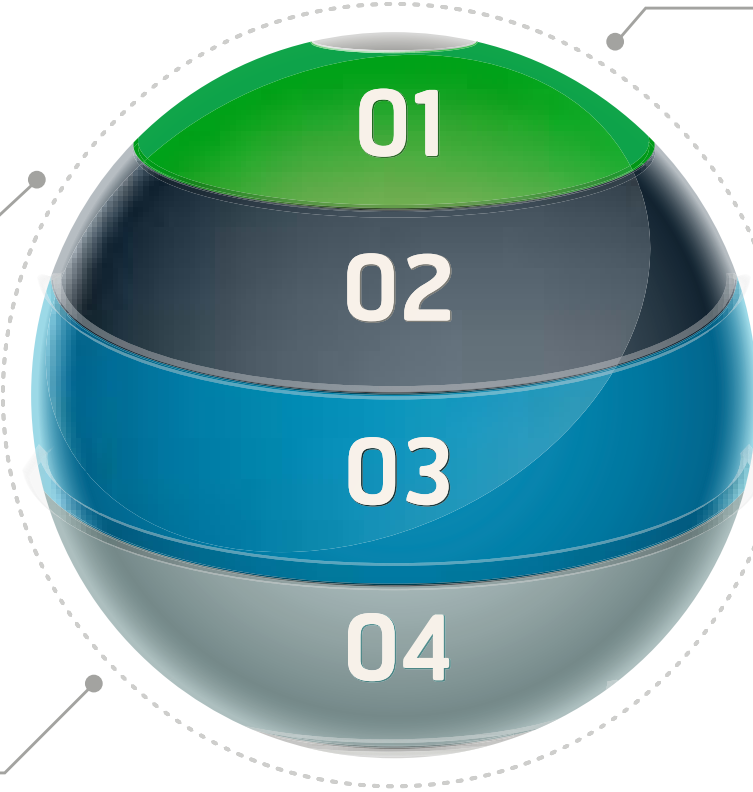
EN 10240 (TS 11348) , DIN 2444 , ASTM A 90 , ASTM A 53 , SI 103 , SI 918, BS 729

Diş Açma Standartları / Standards For Threading :

TS 301 , DIN 2999 , ISO 7-1 , BS 21 , ANSI B1 20.1 , SI 50.3

**EN SON
TEKNOLOJİ İLE
ÜRETİM**

PRODUCTION WITH A STATE
OF THE ART TECHNOLOGY



**EN GENİŞ
ÜRÜN ÇEŞİDİ**

THE BROADEST VARIETY OF
PRODUCTS

**FULL BODY
TAVLAMA**

FULL BODY
HEAT TREATMENT

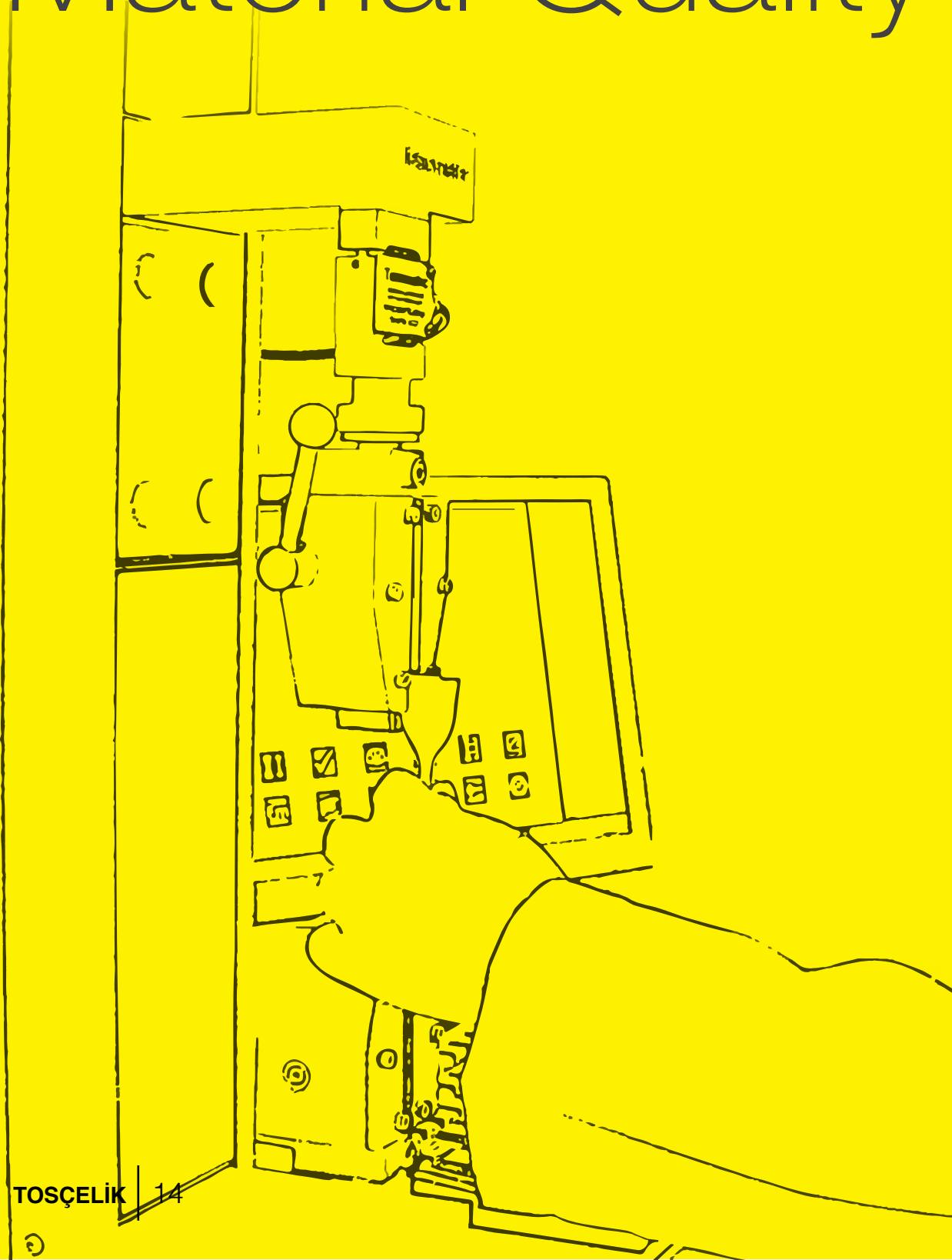
**HAMMADDE VE
NİHAİ MAMÜL
TEK LOKASYONDAN
ÜRETİM**

INTEGRATED PRODUCTION OF RAW
MATERIAL AND FINISHED
PRODUCTS AT A SINGLE LOCATION

YAŞAMIN HER ALANINDA IN ALL SPHERES OF LIFE

MALZEME KALİTESİ

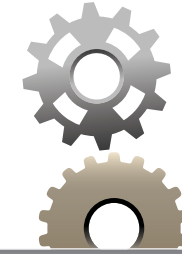
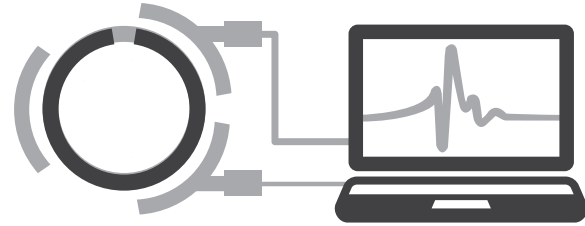
Material Quality



DIN 17100 / DIN 1626	: St 33, St 37
EN 10025	: S 195, S 235 JR, S 235 J0, S 235 J2
ASTM A 53	: Gr A , Gr B
SI 4314 (ASTM A 795)	: Gr A , Gr B
EN 10217-1 (TS EN 10217-1)	: P 195 TR1/TR2, P 235 T1/TR2, P 265 TR1/TR2
EN 10217-2 (TS EN 10217-2)	: P 195 GH / P235 GH / P 265 GH / 16 Mo 3
EN 10255	: S 195 T
SI 103	: S 332, S 414
BS 4360	: 40 A, 43 A
SI 530	: 530 A, 530 B, 530/42
EN 10224	: L235,L275,L355

KALİTE KONTROL

Quality Control



Sızdırmazlık Testi

Leak Tightness Testing

-Hidrostatik Test / Hydrostatic Test

Tahribatsız Test

Non-Destructive Test

-Eddy Current Testi / Eddy Current Test
-Görsel ve Boyutsal Kontrol
Visual and Dimensional Check
-Kaynak Dikişi Ultrasonik Testi
Ultrasonic Test of Weld Seam
(60.3-339.7 mm) (2 3/8" -13 3/8")

Mekanik Testler

Destructive Tests

-Yassılma Testi / Flattening Test,
-Eğme Testi / Bending 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



**HER ŐEY
KALİTE İÇİN**
EVERYTHING IS
FOR QUALITY

Boru Uçları Finishing Operations

Düz Uçlu / Square Cut
Kaynak Ağzı / Bevelled End
Dişli ve Manşonlu / Threaded and Coupled

Yüzey Durumu Surface Protection

Koruyucu Yağlı / Protective Oil Upon Request
Sıcak Daldırma Galvanizli / Hot Dip Galvanized
Astar Boyalı / Primer Coated

Test Sertifikası Mill Test Certificates

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

Üretim Programı Production Program

Su ve Gaz Boruları, Galvanizli Borular, Dişli Manşonlu Borular
Water and Gas Pipes, Galvanized Pipes, Threaded & Coupled Pipes

ÜRETİM MATRİSİ

Production Range

Dış Çap ve Et Kalınlığı | Outside Diameter and Wall Thickness :

Ebat Size		Et Kalınlığı Wall Thickness (mm)																					
mm	inch	1.0	1.2	1.5	2.0	2.3	2.6	2.9	3.2	3.5	3.6	4.0	4.5	5.0	5.4	6.0	7.0	8.0	10.0	11.0	12.5	13.0	
17.2	3/8"																						
21.3	1/2"																						
26.9	3/4"																						
33.7	1"																						
42.4	1 1/4"																						
48.3	1 1/2"																						
60.3	2"																						
76.1	2 1/2"																						
88.9	3"																						
114.3	4"																						
139.7	5"																						
165.1	6"																						
168.3	6"																						
177.8	7"																						
193.7	7 5/8																						
219.1	8"																						
244.5	9"																						
273.0	10"																						
323.9	12"																						
339.7	13 3/8																						

Uzunluk | Length : Düz Uçlu ve Kaynak Ağızı | Plain End - Bevelled : 4 - 14.6 m
Dişli Manşonlu | Threaded and Coupled : 5 - 8.5 m

** Ebatlara göre uzunluk değişebilir. | Length varies with the dimensions specified in the production program



**Su ve Gaz Boruları,
Galvanizli Borular,
Dişli Manşonlu Borular**
Water and Gas Pipes, Galvanized Pipes,
Threaded & Coupled Pipes

DIN 2440 & 2441

Ebat I Size			DIN 2440					DIN 2441				
Dış Çap I Outside Diameter			Et Kalınlığı	Birim Ağırlık I Mass per Unit Length				Et Kalınlığı	Birim Ağırlık I Mass per Unit Length			
			WT	BPE	BTC	GPE	GTC	WT	BPE	BTC	GPE	GTC
DN	inch.	mm.	mm.	kg/m	kg/m	kg/m	kg/m	mm.	kg/m	kg/m	kg/m	kg/m
10	3/8	17.2	2.35	0.85	0.86	0.90	0.91	2.9	1.02	1.03	1.09	1.10
15	1/2	21.3	2.65	1.22	1.23	1.29	1.30	3.25	1.45	1.46	1.52	1.53
20	3/4	26.9	2.65	1.58	1.59	1.67	1.68	3.25	1.90	1.91	1.99	2.00
25	1	33.7	3.25	2.44	2.46	2.55	2.57	4.05	2.97	2.99	3.08	3.10
32	1 1/4	42.4	3.25	3.14	3.17	3.29	3.32	4.05	3.84	3.87	3.98	4.01
40	1 1/2	48.3	3.25	3.61	3.65	3.78	3.82	4.05	4.43	4.47	4.60	4.64
50	2	60.3	3.65	5.10	5.17	5.31	5.38	4.50	6.17	6.24	6.38	6.45
65	2 1/2	76.1	3.65	6.51	6.63	6.78	6.90	4.50	7.90	8.02	8.17	8.29
80	3	88.9	4.05	8.47	8.64	8.79	8.96	4.85	10.10	10.30	10.42	10.62
100	4	114.3	4.50	12.10	12.40	12.51	12.81	5.40	14.40	14.70	14.81	15.11
125	5	139.7	4.85	16.20	16.70	16.71	17.21	5.40	17.80	18.30	18.31	18.81
150	6	165.1	4.85	19.20	19.80	19.80	20.40	5.40	21.20	21.80	21.80	22.40

BS 1387

Ebat I Size			ORTA SERİ I MEDIUM					AĞIR SERİ I HEAVY				
Dış Çap I Outside Diameter			Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length				Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length			
				BPE	BTC	GPE	GTC		BPE	BTC	GPE	GTC
DN	inch.	mm.	mm.	kg/m	kg/m	kg/m	kg/m	mm.	kg/m	kg/m	kg/m	kg/m
15	1/2	21.3	2.6	1.21	1.22	1.28	1.29	3.2	1.44	1.45	1.51	1.52
20	3/4	26.9	2.6	1.56	1.57	1.65	1.66	3.2	1.87	1.88	1.96	1.97
25	1	33.7	3.2	2.41	2.43	2.53	2.55	4.0	2.94	2.96	3.05	3.07
32	1 1/4	42.4	3.2	3.10	3.13	3.25	3.28	4.0	3.80	3.83	3.94	3.97
40	1 1/2	48.3	3.2	3.57	3.61	3.74	3.78	4.0	4.38	4.42	4.55	4.59
50	2	60.3	3.6	5.03	5.10	5.24	5.31	4.5	6.19	6.26	6.40	6.47
65	2 1/2	76.1	3.6	6.43	6.55	6.70	6.82	4.5	7.93	8.05	8.20	8.32
80	3	88.9	4.0	8.37	8.54	8.69	8.86	5.0	10.30	10.50	10.62	10.82
100	4	114.3	4.5	12.20	12.50	12.61	12.91	5.4	14.50	14.80	14.91	15.21
125	5	139.7	5.0	16.60	17.10	17.11	17.61	5.4	17.90	18.40	18.41	18.91
150	6	165.1	5.0	19.70	20.30	20.30	20.90	5.4	21.30	21.90	21.90	22.50

ISO 65

Ebat I Size			ORTA SERİ I MEDIUM					AĞIR SERİ I HEAVY				
Dış Çap I Outside Diameter			Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length				Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length			
				BPE kg/m	BTC kg/m	GPE kg/m	GTC kg/m		BPE kg/m	BTC kg/m	GPE kg/m	GTC kg/m
DN	inch.	mm.	mm.					mm.				
15	1/2	21.3	2.6	1.21	1.22	1.28	1.29	3.2	1.44	1.45	1.51	1.52
20	3/4	26.9	2.6	1.56	1.57	1.65	1.66	3.2	1.87	1.88	1.96	1.97
25	1	33.7	3.2	2.41	2.43	2.53	2.55	4.0	2.93	2.95	3.05	3.07
32	1 1/4	42.4	3.2	3.10	3.13	3.25	3.28	4.0	3.79	3.82	3.94	3.97
40	1 1/2	48.3	3.2	3.57	3.60	3.73	3.77	4.0	4.37	4.41	4.54	4.58
50	2	60.3	3.6	5.03	5.10	5.24	5.31	4.5	6.19	6.26	6.40	6.47
65	2 1/2	76.1	3.6	6.42	6.54	6.70	6.81	4.5	7.93	8.05	8.20	8.32
80	3	88.9	4.0	8.36	8.53	8.69	8.85	5.0	10.30	10.50	10.62	10.82
100	4	114.3	4.5	12.20	12.50	12.61	12.91	5.4	14.50	14.80	14.91	15.21
125	5	139.7	5.0	16.60	17.10	17.11	17.61	5.4	17.90	18.40	18.41	18.91
150	6	165.1	5.0	19.80	20.30	20.30	21.00	5.4	21.30	21.90	21.90	22.50

ISO 65

Ebat I Size			HAFİF SERİ I I LIGHT I					HAFİF SERİ II I LIGHT II				
Dış Çap I Outside Diameter			Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length				Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length			
				BPE	BTC	GPE	GTC		BPE	BTC	GPE	GTC
DN	inch.	mm.	mm.	kg/m	kg/m	kg/m	kg/m	mm.	kg/m	kg/m	kg/m	kg/m
15	1/2	21.3	2.3	1.08	1.09	1.15	1.16	2.0	0.947	0.976	1.02	1.03
20	3/4	26.9	2.3	1.39	1.40	1.48	1.49	2.3	1.38	1.39	1.47	1.48
25	1	33.7	2.9	2.20	2.22	2.32	2.34	2.6	1.98	2.00	2.10	2.12
32	1 1/4	42.4	2.9	2.80	2.85	2.97	3.00	2.6	2.54	2.57	2.69	2.72
40	1 1/2	48.3	2.9	3.24	3.28	3.41	3.45	2.9	3.23	3.27	3.40	3.44
50	2	60.3	3.2	4.49	4.56	4.71	4.78	2.9	4.08	4.15	4.30	4.37
65	2 1/2	76.1	3.2	5.73	5.85	6.00	6.12	3.2	5.71	5.83	5.98	6.01
80	3	88.9	3.6	7.55	7.72	7.87	8.04	3.2	6.72	6.89	7.04	7.21
100	4	114.3	4.0	10.80	11.10	11.22	11.52	3.6	9.75	10.00	10.17	10.42

BPE : Siyah Düz Uçlu I Black Plain End

BTC : Siyah Dişli Manşonlu I Black Threaded Coupled

GPE : Galvanizli Düz Uçlu I Galvanized Plain End

GTC : Galvanizli Dişli Manşonlu I Galvanized Threaded Coupled

EN 10255

Ebat I Size			ORTA SERİ I MEDIUM					AĞIR SERİ I HEAVY				
Dış Çap I Outside Diameter			Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length				Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length			
				BPE	BTC	GPE	GTC		BPE	BTC	GPE	GTC
DN	inch.	mm.	mm.	kg/m	kg/m	kg/m	kg/m	mm.	kg/m	kg/m	kg/m	kg/m
10	3/8	17.2	2.3	0.89	0.90	0.96	0.97	2.9	1.02	1.03	1.11	1.12
15	1/2	21.3	2.6	1.21	1.22	1.28	1.29	3.2	1.44	1.45	1.51	1.52
20	3/4	26.9	2.6	1.56	1.57	1.65	1.66	3.2	1.87	1.88	1.96	1.97
25	1	33.7	3.2	2.41	2.43	2.53	2.55	4.0	2.93	2.95	3.04	3.06
32	1 1/4	42.4	3.2	3.10	3.13	3.25	3.28	4.0	3.79	3.82	3.93	3.96
40	1 1/2	48.3	3.2	3.56	3.60	3.73	3.77	4.0	4.37	4.41	4.54	4.58
50	2	60.3	3.6	5.03	5.10	5.24	5.31	4.5	6.19	6.26	6.40	6.47
65	2 1/2	76.1	3.6	6.42	6.54	6.69	6.81	4.5	7.93	8.05	8.20	8.32
80	3	88.9	4.0	8.36	8.53	8.68	8.87	5.0	10.3	10.5	10.62	10.82
100	4	114.3	4.5	12.20	12.50	12.61	12.91	5.4	14.5	14.8	14.91	15.21
125	5	139.7	5.0	16.60	17.10	17.11	17.61	5.4	17.90	18.40	18.41	18.91
150	6	165.1	5.0	19.80	20.40	20.40	21.00	5.4	21.30	21.90	21.90	22.50

EN 10255

Ebat I Size			TİP L1 I TYPE L1					TİP L2 I TYPE L2				
Dış Çap I Outside Diameter			Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length				Et Kalınlığı WT	Birim Ağırlık I Mass per Unit Length			
				BPE	BTC	GPE	GTC		BPE	BTC	GPE	GTC
DN	inch.	mm.	mm.	kg/m	kg/m	kg/m	kg/m	mm.	kg/m	kg/m	kg/m	kg/m
10	3/8	17.2	2.0	0.74	0.75	0.81	0.82	1.8	0.67	0.68	0.74	0.75
15	1/2	21.3	2.3	1.08	1.09	1.15	1.16	2.0	0.947	0.956	1.02	1.03
20	3/4	26.9	2.3	1.39	1.40	1.48	1.49	2.3	1.38	1.39	1.47	1.48
25	1	33.7	2.9	2.20	2.22	2.32	2.34	2.6	1.98	2.00	2.10	2.12
32	1 1/4	42.4	2.9	2.82	2.85	2.98	3.00	2.6	2.54	2.57	2.69	2.72
40	1 1/2	48.3	2.9	3.24	3.28	3.41	3.45	2.9	3.23	3.27	3.40	3.44
50	2	60.3	3.2	4.49	4.56	4.71	4.78	2.9	4.08	4.15	4.30	4.37
65	2 1/2	76.1	3.2	5.73	5.85	6.00	6.12	3.2	5.71	5.83	5.98	6.01
80	3	88.9	3.6	7.55	7.72	7.87	8.04	3.2	6.72	6.89	7.04	7.21
100	4	114.3	4.0	10.80	11.10	11.22	11.52	3.6	9.75	10.00	10.17	10.42

NF A 49-145

Ebat I Size			HAFİF SERİ I LIGHT					ORTA SERİ I MEDIUM					AĞIR SERİ I HEAVY				
Dış Çap Outside Diameter			Et Kalınlığı WT	Birim Ağırlık Mass per Unit Length				Et Kalınlığı WT	Birim Ağırlık Mass per Unit Length				Et Kalınlığı WT	Birim Ağırlık Mass per Unit Length			
				BPE	BTC	GPE	GTC		BPE	BTC	GPE	GTC		BPE	BTC	GPE	GTC
DN	inch.	mm.	mm.	kg/m	kg/m	kg/m	kg/m	mm.	kg/m	kg/m	kg/m	kg/m	mm.	kg/m	kg/m	kg/m	kg/m
15	1/2	21.3	2.3	1.08	1.09	1.15	1.16	2.6	1.20	1.21	1.27	1.28	3.2	1.43	1.44	1.50	1.51
20	3/4	26.9	2.3	1.4	1.41	1.49	1.50	2.6	1.56	1.57	1.65	1.66	3.2	1.87	1.88	1.96	1.97
25	1	33.7	2.9	2.20	2.22	2.32	2.34	3.2	2.41	2.43	2.53	2.55	4.0	2.93	2.95	3.05	3.07
32	1 1/4	42.4	2.9	2.82	2.85	2.98	3.00	3.2	3.09	3.12	3.24	3.27	4.0	3.79	3.82	3.94	3.97
40	1 1/2	48.3	2.9	3.25	3.29	3.42	3.46	3.2	3.56	3.60	3.73	3.77	4.0	4.37	4.41	4.54	4.58
50	2	60.3	3.2	4.51	4.58	4.73	4.80	3.6	5.03	5.10	5.24	5.31	4.5	6.19	6.26	6.40	6.47
65	2 1/2	76.1	3.2	5.75	5.87	6.02	6.14	3.6	6.44	6.56	6.72	6.84	4.5	7.95	8.07	8.22	8.34
80	3	88.9	3.2	6.76	6.93	7.08	7.24	4.0	8.38	8.55	8.70	8.87	4.9	10.0	10.2	10.32	10.52
100	4	114.3	3.6	9.83	10.10	10.25	10.52	4.5	12.20	12.50	12.61	12.91	5.4	14.5	14.8	14.91	15.21
125	5	139.7	4.5	15.00	15.50	15.63	16.15	4.5	15.00	15.50	15.63	16.15	5.4	17.90	18.40	18.41	18.91
150	6	165.1	4.5	17.80	18.40	18.55	19.17	4.5	17.80	18.40	18.55	19.17	5.4	21.30	21.90	21.90	22.50

ASTM A 53

NPS	Dış Çap Outside Diameter		Et Kalınlığı Wall Thickness		Birim ağırlık Mass per Unit Length				Ağırlık Sınıfı Weight Class	Schedule No
					BPE		BTC			
	inch	mm	inch	mm	lb/ft	kg/m	lb/ft	kg/m		
3/8	0.675	17.1	0.091	2.31	0.57	0.84	0.57	0.84	STD	40
1/2	0.840	21.3	0.109	2.77	0.85	1.27	0.86	1.27	STD	40
3/4	1.050	26.7	0.113	2.87	1.13	1.69	1.14	1.69	STD	40
			0.154	3.91	1.48	2.20	1.48	2.21	XS	80
1	1.315	33.4	0.133	3.38	1.68	2.50	1.69	2.50	STD	40
			0.179	4.55	2.17	3.24	2.19	3.25	XS	80
1 1/4	1.660	42.2	0.140	3.56	2.27	3.39	2.28	3.40	STD	40
			0.191	4.85	3.00	4.77	3.03	4.49	XS	80
			0.250	6.35	3.77	5.61			...	160
1 1/2	1.900	48.3	0.145	3.68	2.72	4.05	2.74	4.04	STD	40
			0.200	5.08	3.63	5.41	3.65	5.39	XS	80
2	2.375	60.3	0.154	3.91	3.66	5.44	3.68	5.46	STD	40
			0.218	5.54	5.03	7.48	5.08	7.55	XS	80
2 1/2	2.875	73.0	0.203	5.16	5.80	8.63	5.85	8.67	STD	40
			0.276	7.01	7.67	11.41	7.75	11.52	XS	80
3	3.500	88.9	0.125	3.18	4.51	6.72			...	...
			0.156	3.96	5.58	8.29			...	...
			0.188	4.78	6.66	9.92			...	...
			0.216	5.49	7.58	11.29	7.68	11.35	STD	40
			0.250	6.35	8.69	12.93			...	...
			0.281	7.14	9.67	14.40			...	...
			0.300	7.62	10.26	15.27	10.35	15.39	XS	80
3 1/2	4.000	101.6	0.125	3.18	5.18	7.72			...	...
			0.156	3.86	6.41	9.53			...	...
			0.188	4.78	7.66	11.41			...	...
			0.226	5.74	9.12	13.57	9.27	13.71	STD	40
			0.250	6.35	10.02	14.92			...	...
			0.281	7.14	11.17	16.63			...	...
			0.318	8.08	12.52	18.63	12.67	18.82	XS	80
4	4.500	114.3	0.125	3.18	5.85	8.71			...	...
			0.156	3.96	7.24	10.78			...	...
			0.188	4.78	8.67	12.91			...	...
			0.219	5.56	10.02	14.91			...	...
			0.237	6.02	10.80	16.07	10.92	16.23	STD	40
			0.250	6.35	11.36	16.90			...	...
			0.281	7.14	12.67	18.87			...	...
			0.312	7.92	13.97	20.78			...	...
			0.337	8.56	15.00	22.32	15.20	22.60	XS	80
5	5.563	141.3	0.156	3.96	9.02	13.41			...	...
			0.188	4.78	10.80	16.09			...	...
			0.219	5.56	12.51	18.61			...	...
			0.258	6.55	14.63	21.77	14.90	22.07	STD	40
			0.281	7.14	15.87	23.62			...	...
			0.312	7.92	17.51	26.05			...	...
			0.344	8.74	19.19	28.57			...	...
6	6.625	168.3	0.375	9.52	20.80	30.94	21.04	31.42	XS	80
			0.188	4.78	12.94	19.27			...	...
			0.219	5.56	15.00	22.31			...	...
			0.250	6.35	17.04	25.36			...	...
			0.280	7.11	18.99	28.26	19.34	28.58	STD	40
			0.312	7.92	21.06	31.32			...	...
			0.344	8.74	23.10	34.39			...	...
			0.375	9.52	25.05	37.28			...	...
8	8.625	219.1	0.432	10.97	28.60	42.56	28.88	43.05	...	...
			0.188	4.78	16.96	25.26			...	...
			0.203	5.16	18.28	27.22			...	...
			0.219	5.56	19.68	29.28			...	...
			0.250	6.35	22.38	33.31			...	20
			0.277	7.04	24.72	36.31	25.53	38.07	...	30
			0.312	7.92	27.73	41.24			...	...
			0.322	8.18	28.58	42.55	29.35	43.73	STD	40
			0.344	8.74	30.45	45.34			...	...
			0.375	9.52	33.07	49.20			...	...
			0.406	10.31	35.67	53.08			...	60
			0.438	11.13	38.33	57.08			...	...
10	10.750	273.0	0.500	12.70	43.43	64.64	44.00	65.41	XS	80
			0.188	4.78	21.23	31.62			...	...
			0.203	5.16	22.89	34.08			...	...
			0.219	5.56	24.65	36.37			...	...
			0.250	6.35	28.06	41.75			...	20
			0.279	7.09	31.23	46.49	32.33	48.80	...	...
			0.307	7.80	34.27	51.01	35.33	53.27	...	30
			0.344	8.74	38.27	56.96			...	...
			0.365	9.27	40.52	60.29	41.49	63.36	STD	40
			0.438	11.13	48.28	71.87			...	...
12	12.750	323.9	0.500	12.70	54.79	81.52	55.55	83.17	XS	60
			0.203	5.16	22.89	34.08			...	...
			0.219	5.56	24.65	36.37			...	...
			0.250	6.35	28.06	41.75			...	20
			0.281	7.14	37.46	55.75			...	...
			0.312	7.92	41.48	61.69			...	...
			0.330	8.38	43.81	65.18	45.47	67.72	...	30
			0.344	8.74	45.62	67.90			...	...
			0.375	9.52	49.61	73.78	51.28	76.21	STD	...
			0.406	10.31	53.57	79.70			...	40
			0.438	11.13	57.65	85.82			...	...
			0.500	12.70	65.48	97.43	66.91	99.40	XS	...



EN 10217-1 / EN 10217-2

Ebat	Et Kalınlığı (mm) Wall Thickness (mm)																			
Size	1.40	1.60	1.80	2.00	2.30	2.60	2.90	3.20	3.60	4.00	4.50	5.00	5.60	6.30	7.10	8.00	8.80	10.00	11.00	12.50
mm	Birim Ağırlık kg/m Mass per Unit Length (kg/m)																			
21.3	0.69	0.78	0.87	0.95	1.080	1.200	1.320	1.430	1.57	1.71	1.86									
26.9	0.88	1.00	1.11	1.23	1.400	1.560	1.720	1.870	2.07	2.26	2.49	2.7								
33.7	1.12	1.27	1.42	1.56	1.78	1.99	2.20	2.41	2.67	2.93	3.24	3.54	3.88	4.26	4.66	5.07				
42.4	1.42	1.61	1.80	1.99	2.27	2.55	2.82	3.09	3.44	3.79	4.21	4.61	5.08	5.61	6.18	6.79	7.29			
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	5.90	6.53	7.21	7.95	8.57			
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	7.55	8.39	9.32	10.30	11.20	12.40		
76.1	2.58	2.94	3.30	3.65	4.19	4.71	5.24	5.75	6.44	7.11	7.95	8.77	9.74	10.80	12.10	13.40	14.60	16.30		
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	12.80	14.30	16.00	17.40	19.50		
114.3					6.35	7.16	7.97	8.77	9.83	10.90	12.20	13.50	15.00	16.80	18.80	21.00	22.90	25.70		
139.7					7.79	8.79	9.76	10.80	12.10	13.40	15.00	16.60	18.50	20.70	23.20	26.00	28.40	32.00		
165.1					9.23	10.42	11.60	12.78	14.34	15.89	17.82	19.74	22.03	24.67	27.66	30.99	33.92	38.25		
168.3					9.42	10.60	11.80	13.00	14.60	16.20	18.20	20.10	22.50	25.20	28.20	31.60	34.60	39.00	42.67	
177.8					9.95	11.23	12.51	13.78	15.47	17.14	19.23	21.31	23.78	26.64	29.89	33.50	36.67	41.38	45.25	
219.1					12.30	13.90	15.50	17.00	19.10	21.20	23.80	26.40	29.50	33.10	37.10	41.60	45.60	51.60	56.45	63.68
244.5					13.74	15.51	17.28	19.04	21.39	23.72	26.63	29.53	32.99	37.01	41.57	46.66	51.15	57.83	63.34	71.51
273					15.40	17.30	19.30	21.30	23.90	26.50	29.80	33.00	36.90	41.40	46.60	52.30	57.30	64.90	71.07	80.3
323.9						20.6	22.96	25.31	28.43	31.55	35.44	39.32	43.96	49.34	55.47	62.32	68.38	77.41	84.88	95.99
339.7						21.6	24.09	26.55	29.84	33.11	37.2	41.27	46.14	51.8	58.23	65.44	71.81	81.3	89.16	100.9



TOSÇELİK

Certificate of Authority to use the Official API Monogram
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American Petroleum Institute
John J. Modine
Director of Global Industry Services

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

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

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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: X80; 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 J. Modine
Director of Global Industry Services

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

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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, Sarısu
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

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

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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 1866

Bu sertifika, Teknik Komitenin ECIS5/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 borularına uygulanmaz dışında

Tip : Elektrik Direnc 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**
Dış Çap : **10,3 mm to 339,7 mm**
Et Kalınlığı : **0,6 to 13 mm**

Tanımlar : Basınçlı borular, Çelik, Boru, Dikili borular, Kaynak, Teslim, Alaşımız 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, fabrikanın birincil gözetimi ve onun fabrika üretim kontrolünü ve sürekli gözetim performansını ve fabrika üretim kontrolünü onaylanı.

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 borularına kapsamında ciddi değişikliklere neticesinde her türlü faaliyet hakkında kuruluşu bildirmek zorundadır. Yayınlanmış sertifikanın kopyalarına aykırı herhangi bir durum meydana gelğinde, kuruluş sertifikasını geçerliliğini askıya alabilir veya sertifika iptal edilebilir.

Sertifikanın Geçerliliğinin Bittiği Tarih: 30 Temmuz 2014

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

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

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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 1866

This certificate has been prepared in accordance with Technical Committee's Conclusion ECIS5/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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Wien-AUSTRIA www.tuv.at

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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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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)

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

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

FATİH CİHAN ÖNDER
General Manager
TÜV AUSTRIA TURK 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.



Issued: Nesebar, 27 March 2013

Manager: 
eng. Anna Vasileva

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.



Issued: Nesebar, 21 November 2012

Manager: 
eng. Anna Vasileva

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: 

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Fax: +90 216.537 08 13
E-mail: office@tir-tuv.com



CERTIFICATE OF FACTORY PRODUCTION CONTROL ACCORDING TO AWWA C210

No : TAT-012 01 588

The undersigned certifies that the described products meet the essential requirements of the below mentioned standards as based on AWWA C210 Liquid-Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines and AWWA C210.

Product	: Liquid-Epoxy coating for the interior of steel pipes and fittings; requirements and testing
Type	: Liquid-Epoxy lined and/or 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 Lining and Coating Thickness : min 406 µm
Descriptions	: Pressure pipes, steels, pipes, seamed pipes, welding, delivery, unalloyed steels, liquid-epoxy, lining, coating
Reference Standards	: ASTM D3363, ASTM D4541, ASTM D4572, AWWA C203, AWWA C209, AWWA C214, AWWA C215, AWWA C216, AWWA C217, NACE RP0188, NACE No.1, NACE No.2, SSPC PA 2 and 3, SSPC SP1, SSPC SP5, SSPC SP10, 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 epoxy coated or lined 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 C210.

of the standard : AWWA C210-08, AWWA Standard for Liquid-Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines

Base of certificate : Final Report No : TOS-C210-2013-01

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 epoxy coated or lined 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
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E-mail: office@tir-tuv.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

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