



PASLANMAZ ÇELİK DİKİŞLİ BORULAR

EN • TR

 **MARCEGAGLIA**
SPECIALTIES

STAINLESS STEEL WELDED TUBES PASLANMAZ ÇELİK DİKİŞLİ BORULAR

DIMENSIONAL RANGE - BOYUT ARALIĞI

MIN. OUTSIDE DIAMETER - MİN. DIŞ ÇAP	6 mm
MAX. OUTSIDE DIAMETER - MAKS. DIŞ ÇAP	406,4 mm
MIN. THICKNESS - MİN. KALINLIK	0,8 mm
MAX. THICKNESS - MAKS. KALINLIK	6 mm

Marcegaglia Specialties manufactures a wide range of the stainless steel welded tubes, which has led to the leading position in the production of stainless steel welded tubes. Thanks to the manufacturing processes carried out in Italy, Russia, Turkey and Brazil, Marcegaglia Specialties is the world's first producer of stainless welded tubes.

Marcegaglia Specialties, paslanmaz çelik dikişli boruların üretiminde lider konumda olmasını sağlayan çok çeşitli paslanmaz çelik dikişli borular üretmektedir. İtalya, Rusya, Türkiye ve Brezilya'da gerçekleştirilen üretim süreçleri sayesinde Marcegaglia Specialties dünyanın ilk paslanmaz dikişli boru üreticisidir.

54 tube lines (13 HF, 33 Laser, 8 TIG)

260,000 t/y
manufacturing capacity

TYPICAL APPLICATIONS

TİPİK UYGULAMALAR

TUBES FOR MECHANICAL APPLICATIONS AND FOR CONSTRUCTIONS

MEKANİK UYGULAMALARDA VE YAPILARDA KULLANIMA YÖNELİK BORULAR

Marcegaglia product range for mechanical applications comprises tubes for pumps and cylinders, tubes for elbows and fittings and tubes for heat resistances. Marcegaglia also supplies the building and constructions sector thanks to wide range of round tubes and box sections for structural uses.

Mekanik uygulamalar için Marcegaglia ürün yelpazesi pompa ve silindir boruları, dirsek ve bağlantı parçası boruları ve ısı rezistansı borularından oluşur. Marcegaglia yapısal kullanımlara yönelik çok çeşitli yuvarlak borular ve kutu profiller sayesinde yapı ve inşaat sektörüne de hizmet vermektedir.

PROCESS PIPES FOR FLUIDS

AKIŞKANLAR İÇİN PROSES BORULAR

Marcegaglia process pipe range includes certified products for applications in the food and dairy industry, drinkable water, chemical and pharmaceutical, oil and gas, heat exchangers, electrical resistances and other mechanical applications.

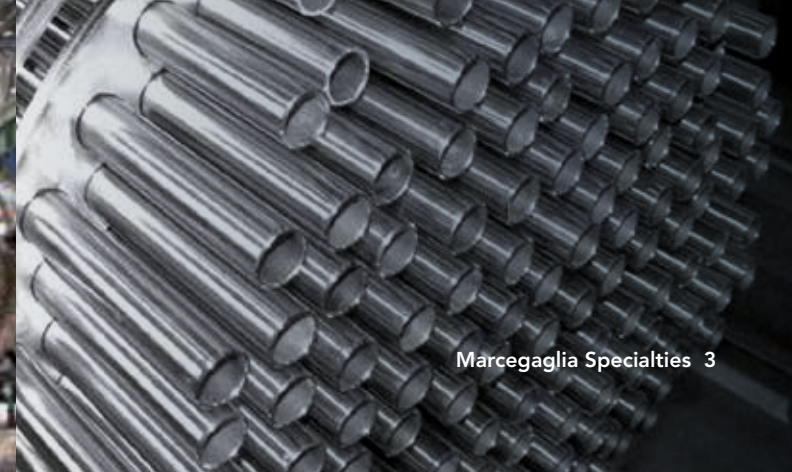
Gıda ve süt ürünleri endüstrisi, içme suyu, kimyasal ve farmasötik, petrol ve gaz, ısı eşanjörleri, elektrik rezistansları ve diğer mekanik uygulamalarda kullanılan sertifikalı ürünler Marcegaglia proses boru ürün gamında yer almaktadır.

FEEDWATER HEATER TUBES FOR POWER PLANTS

ELEKTRİK SANTRALLERİNE YÖNELİK BESLEME SUYU ISITICI BORULARI

To meet the needs of the energy sector, Marcegaglia develops a range of tubes for heat exchangers, characterized by a particular resistance to temperature changes.

Marcegaglia, enerji sektörünün ihtiyaçlarını karşılamak için ısı eşanjörleri için sıcaklık değişikliklerine karşı özel direnciyle ayırt edilen bir dizi boru geliştirmektedir.



**TUBES FOR MECHANICAL
AND AUTOMOTIVE APPLICATIONS**
MEKANİK VE OTOMOTİV UYGULAMALARINA
YÖNELİK BORULAR

The product range of tubes for exhaust systems, tubes for hydroforming applications and special shapes for automotive construction is engineered and manufactured in Marcegaglia Specialties stainless steel production plants worldwide: Brazil, Russia, Turkey and Italy, hosting more than 70 high-technology tube processing lines.

Egzoz sistemleri ve hidrolik şekillendirmeye uygun ürünler ile otomotiv yapımında kullanılan özel şekilli mamüller, Marcegaglia Specialties'e ait dünya geneline yayılmış olan Brezilya, Rusya, Türkiye ve İtalya gibi 70'ten fazla, ileri teknolojiye sahip, paslanmaz çelik üretim tesislerinde dizayn edilip üretilmektedir.



CONSTRUCTION AND ORNAMENTAL TUBES
YAPI VE DEKORASYON BORULARI

Building with steel means excellence. Mechanical properties, aesthetic values and durability: stainless steel is the environment-friendly material of choice for contemporary architecture.

Çelik ile inşa etmek mükemmellik demektir. Mekanik özellikleri, estetik görünümü ve sağlamlığı, paslanmaz çeliği çağdaş mimari için çevre dostu ve ideal bir yapı malzemesi yapan en önemli değerlerdir.



MAIN MANUFACTURING STANDARDS

ANA İMALAT STANDARTLARI

MANUFACTURING STANDARD <i>İmalat standardi</i>		PRODUCT DESIGNATION <i>Ürün adı</i>	GRADE EN <i>Ürün sınıfı EN</i>	GRADE AISI <i>Ürün sınıfı AISI</i>
MECHANICAL APPLICATIONS <i>MEKANİK UYGULAMALAR</i>	EN 10217-7 EN 10296-2	Round tubes for pumps and cylinders <i>Pompalar ve silindirlere yönelik yuvarlak borular</i>	1.4301	304
			1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
	EN 10217-7	Round tubes for elbows and fittings <i>Dirsekler ve bağlantı elemanlarına yönelik yuvarlak borular</i>	1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
	EN 10217-7	Round tubes for heat resistances <i>Isı rezistansları için yuvarlak borular</i>	1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
			1.4876	
			2.4858	
CONSTRUCTION <i>YAPI</i>	EN 10296-2 (round only) ASTM A554	Construction round tubes and box sections <i>Yapılar için yuvarlak borular ve kutu profiller</i>	1.4301	304
			1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
PROCESS PIPES FOR FLUIDS <i>SIVILAR İÇİN PROSES BORULARII</i>	EN 10217-7 EN 10357 ASTM A270	Process pipes for the food and dairy industry <i>Gıda ve süt ürünleri endüstrisi için proses boruları</i>	1.4307	304L
			1.4404	316L
	EN 10217-7 DVGW GW541	Process pipes for drinkable water and press fitting <i>İçme suyu ve baskı bağlantı elemanları için proses boruları</i>	1.4404	316L
			1.4521	444
	EN 10217-7 EN 10312	Process pipes for water treatment <i>Su arıtma işleri için proses boruları</i>	1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
	EN 10217-7	Process pipes for the pulp and paper sector <i>Kağıt hamuru ve kağıt sektörüne yönelik proses boruları</i>	1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
	EN 10217-7 AD 2000 W2/W10 PED 2014/68/EU	Process pipes for chemical applications <i>Kimyasal uygulamalara yönelik proses boruları</i>	1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
			1.4162	2101
			1.4362	2304
			1.4462	2205
	EN 10217-7 DIN 11866	Process pipes for pharmaceutical applications <i>Farmasötik uygulamalara yönelik proses boruları</i>	1.4404	316L
	EN 10217-7 ASTM A312/A778	Process pipes for oil and gas applications <i>Petrol ve gaz endüstrisi için proses boruları</i>	1.4307	304L
			1.4404	316L
			1.4362	2304
			1.4462	2205

HEAT TREATMENT <i>ISIL İŞLEM</i>	ASTM A803 A803M	Ferritic feedwater heater tubes <i>Ferritik besleme suyu ısıtıcı boruları</i>	1.4512	409LI
			1.4510	439L
	ASTM A688 A688M	Austenitic feedwater heater tubes <i>Östenitik besleme suyu ısıtıcı boruları</i>	1.4509	441
			1.4301	304
			1.4307	304L
			1.4404	316L
	EN 10217-7 ASTM A249 AD 2000 W2/W10 PED 2014/68/EU	Round tubes for heat exchangers <i>Isı eşanjörleri için yuvarlak borular</i>	1.4301	304
			1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
			1.4162	2101
			1.4362	2304
			1.4462	2205
	EN 10296-2 EN 10217-7	Round tubes for evaporators for the sugar industry <i>Şeker endüstrisinde kullanılan buharlaştırıcılara yönelik yuvarlak borular</i>	1.4301	304
			1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
	EN 10217-7 AD 2000 W2/W10	Round tubes for pressure vessels <i>Basınçlı kaplar için yuvarlak borular</i>	1.4509	441
			1.4512	409LI
			1.4510	439L
			1.4162	2101
			1.4362	2304
AUTOMOTIVE <i>OTOMOTİV</i>	EN 10296-2 ASTM A554	Round tubes for automotive, exhaust systems <i>Otomotiv ve egzoz sistemleri için yuvarlak borular</i>	1.4307	304L
			1.4541	321
			1.4571	316Ti
			1.4512	409LI
			1.4509	441
	EN 10296-2 ASTM A554	Round tubes for automotive, hydroforming appliance <i>Otomotiv, hidroforming cihazlar için yuvarlak borular</i>	1.4510	439L
			1.4301	304
			1.4307	304L
			1.4404	316L
			1.4541	321
	EN 10296-2 (round only) ASTM A554	Round tubes and box sections for automotive frame construction <i>Otomobil kasa yapısı için yuvarlak borular ve kutu profiller</i>	1.4571	316Ti
			1.4512	409LI
			1.4509	441
			1.4510	439L
			1.4404	316L
ORNAMENTAL <i>DEKORASYON</i>	EN 10296-2 (round only) ASTM A554	Ornamental round tubes and box sections <i>Dekoratif amaçlı yuvarlak borular ve kutu profiller</i>	1.4301	304
			1.4307	304L
			1.4404	316L
			1.4541	321
			1.4571	316Ti
			1.4509	441
			1.4510	439L
			1.4521	444

Supply conditions - Tedarik koşulları

- Dimensional tolerances according to manufacturing standard
İmalat standardına göre boyutsal toleranslar

- Special tolerances upon request *Talep üzerine özel toleranslar*

- Control documents 2.2, 3.1, 3.2* according to EN 10204 and specific norm requirements

EN 10204 ve özel norm koşullarına göre 2.2, 3.1, 3.2 numaralı kontrol belgeleri

(*) Upon request *Talep üzerine*

MAIN STEEL GRADES
ANA ÇELİK SINIFLARI

METAL STRUC- TURE	GRADE		INDICATIVE CHEMICAL COMPOSITION												
	Ürün sınıfı		Tipic kimyasal yapı												
	EN	AISI	C	Ni	Cr	Mo	Ti	Nb	Mn	Si	P	S	N	Cu	Others
Austenitic	1.4301	304	≤ 0,07	8,00-10,50	17,00-19,50	-	-	-	≤ 2,00	≤ 1,00	≤ 0,045	≤ 0,015	≤ 0,10	-	-
Austenitic	1.4307	304L	≤ 0,03	8,00-10,00	17,50-19,50	-		-	≤ 2,00	≤ 1,00	≤ 0,045	≤ 0,015	≤ 0,10	-	-
Austenitic	1.4541	321	≤ 0,08	9,00-12,00	17,00-19,00	-	5xC-0,70	-	≤ 2,00	≤ 1,00	≤ 0,045	≤ 0,015	-	-	-
Austenitic	1.4404	316L	≤ 0,03	10,00-13,00	16,50-18,50	2,00-2,50	-	-	≤ 2,00	≤ 1,00	≤ 0,045	≤ 0,015	≤ 0,10	-	-
Austenitic	1.4571	316Ti	≤ 0,08	10,50-13,50	16,50-18,50	2,00-2,50	5xC-0,70	-	≤ 2,00	≤ 1,00	≤ 0,045	≤ 0,015	-	-	-
Austenitic	1.4449	317	≤ 0,08	11,00-15,00	18,00-20,00	3,00-4,00	-	-	≤ 2,00	≤ 0,75	≤ 0,045	≤ 0,030	≤ 0,10	-	-
Austenitic	1.4438	317L	≤ 0,03	11,00-15,00	18,00-20,00	3,00-4,00	-	-	≤ 2,00	≤ 0,75	≤ 0,045	≤ 0,030	≤ 0,10	-	-
Austenitic	1.4828	309	≤ 0,20	12,00-15,00	22,00-24,00	-	-	-	≤ 2,00	≤ 1,00	≤ 0,045	≤ 0,030	-	-	-
Austenitic	1.4833	309S	≤ 0,20	11,00-13,00	19,00-21,00	-	-	-	≤ 2,00	1,50-2,50	≤ 0,045	≤ 0,030	-	-	-
Austenitic	1.4845	310	≤ 0,08	19,00-22,00	24,00-26,00	≤ 0,75	-	-	≤ 2,00	≤ 1,50	≤ 0,045	≤ 0,030	-	-	-
Austenitic	1.4833	310S	≤ 0,08	19,00-22,00	24,00-26,00	-	-	-	≤ 2,00	≤ 1,50	≤ 0,045	≤ 0,030	-	-	-
Austenitic	1.4371	201LN	≤ 0,030	3,50-5,50	16,00-17,00	-	-	-	6,00-8,00	≤ 1,00	≤ 0,045	≤ 0,015	0,15-0,20	-	-
Austenitic	1.4550	347	≤ 0,08	9,00-13,00	17,00-19,00	-	-	-	≤ 2,00	≤ 0,75	≤ 0,045	≤ 0,030	-	-	Cb 10xC min
Austenitic	1.4961	347H	0,04-0,10	9,00-13,00	17,00-19,00	-	-	-	≤ 2,00	≤ 0,75	≤ 0,045	≤ 0,030	-	-	Cb 8xC min
Austenitic	1.4541	321	≤ 0,08	9,00-12,00	17,00-19,00	-	5xC-0,70	-	≤ 2,00	≤ 1,00	≤ 0,045	≤ 0,015	-	-	-
Austenitic		254SMO	≤ 0,02	17,50-18,50	19,50-20,50	6,00-6,50	-	-	≤ 1,00	≤ 0,80	≤ 0,030	≤ 1,01	0,18-0,22	0,50-1,00	-
Ni Alloy	2.4816	Inconel 600	≤ 0,15	≥ 72,00	14,70-17,00	-	-	-	≤ 1,00	≤ 0,50	-	≤ 0,015	-	≤ 0,50	-
Ni Alloy	2.4851	Inconel 601	≤ 0,10	58,00-63,00	21,00-25,00	-	-	-	≤ 1,00	≤ 0,50	-	≤ 0,015	-	≤ 1,00	-
Ni Alloy	2.4856	Inconel 625	≤ 0,10	≥ 58,00	20,00-23,00	8,00-10,00	≤ 0,40	3,15-4,15	≤ 0,50	≤ 0,50	≤ 0,015	≤ 0,015	-	-	Al ≤ 0,40, Co ≤ 1,0
Ni Alloy	2.4558	825	≤ 0,05	38,00-46,00	19,50-23,50	2,50-3,50	0,60-1,20	-	≤ 1,00	≤ 0,50	-	≤ 0,030	-	1,50-3,00	Al ≤ 0,20
Super Austenitic	1.4876	Incoloy 800	≤ 0,10	30,00-35,00	19,00-23,00	-	0,15-0,60	-	≤ 1,50	≤ 1,00	-	≤ 0,015	-	≤ 0,75	Al 0,15-0,60
Super Austenitic		AL6XN	≤ 0,03	23,50-25,50	20,00-22,00	6,00-7,00	-	-	≤ 2,00	≤ 1,00	≤ 0,040	≤ 0,030	0,18-0,25	≤ 0,75	-
Super Austenitic	1.4529	Incoloy alloy 25-6MO	≤ 0,02	24,00-26,00	19,00-21,00	6,00-7,00	-	-	≤ 2,00	≤ 0,50	≤ 0,030	≤ 0,010	0,15-0,25	0,50-1,50	-
Super Austenitic		904LV	≤ 0,02	23,00-28,00	19,00-23,00	4,00-5,00	-	-	≤ 2,00	≤ 1,00	≤ 0,045	≤ 0,035	-	1,00-2,00	-
Nickel Base	2.4858	Incoloy 825	≤ 0,05	38,00-46,00	19,50-23,50	2,50-3,50	0,60-1,20	-	≤ 1,00	≤ 0,50	-	≤ 0,030	-	1,50-3,00	Al ≤ 0,20
Ferritic	1.4512	409	≤ 0,08	≤ 0,50	10,50-11,75	-	≥ 6xC	-	≤ 1,00	≤ 1,00	≤ 0,045	≤ 0,045	-	-	-
Ferritic	1.4512	409LI	≤ 0,03	-	10,50-12,50	-	-	-	≤ 1,00	≤ 1,00	≤ 0,040	≤ 0,015		-	-
Ferritic	1.4016	430	≤ 0,12	≤ 0,75	16,00-18,00	-	-	-	≤ 1,00	≤ 1,00	≤ 0,040	≤ 0,030	-	-	-
Ferritic	1.4520	430Ti	≤ 0,07	≤ 0,50	17,00-19,00	-	0,20+4(C+N)	-	≤ 1,00	≤ 1,00	≤ 0,040	≤ 0,030	≤ 0,04	-	-
Ferritic	1.4510	439	≤ 0,03	≤ 0,50	17,00-19,00	-	0,20+4(C+N)	-	≤ 1,00	≤ 1,00	≤ 0,040	≤ 0,030	-	-	-
Ferritic	1.4510	439L	≤ 0,050	-	16,00-18,00	-	[4x(C+N)+0,15] -0,80	-	≤ 1,00	≤ 1,00	≤ 0,040	≤ 0,015	-	-	-
Ferritic	1.4509	441	≤ 0,03	-	17,50-18,50	-	0,10-0,60	[3xC+0,30] -1,00	≤ 1,00	≤ 1,00	≤ 0,040	≤ 0,015	-	-	-
Ferritic	1.4521	444	≤ 0,025	-	17,00-20,00	1,80-2,50	[4x(C+N)+0,15] -0,80	-	≤ 1,00	≤ 1,00	≤ 0,040	≤ 0,015	≤ 0,030	-	-
Lean Duplex*	1.4162	S32101	≤ 0,04	1,35-1,70	21,00-22,00	0,10-0,80	-	-	4,00-6,00	≤ 1,00	≤ 0,040	≤ 0,030	0,20-0,25	-	-
Duplex	1.4362	2304	≤ 0,030	3,50-5,50	22,00-24,00	0,10-0,60	-	-	≤ 2,00	≤ 1,00	≤ 0,035	≤ 0,015	0,05-0,20	0,10-0,60	-
Duplex	1.4462	2205	≤ 0,030	4,50-6,50	21,00-23,00	2,50-3,50	-	-	≤ 2,00	≤ 1,00	≤ 0,035	≤ 0,015	0,10-0,22	-	-
Duplex		AL 2003	≤ 0,03	3,00-4,00	19,50-22,50	1,50-2,00	-	-	≤ 2,00	≤ 1,00	≤ 0,030	≤ 0,020	0,14-0,20	-	-
Duplex	1.4162	LDX2101	≤ 0,04	1,35-1,70	21,00-22,00	0,10-0,80	-	-	4,00-6,00	≤ 1,00	≤ 0,040	≤ 0,030	0,20-0,25	-	-
Duplex	1.4410	2507	≤ 0,03	6,00-8,00	24,00-26,00	3,00-5,00	-	-	≤ 1,20	≤ 0,80	≤ 0,035	≤ 0,020	0,24-0,32	≤ 0,50	-

(*) Outokumpu LDX 2101, Allegheny AL 2003



weight kg/m														
ROUND TUBES Yuvarlak borular														
outside diameter mm	wall thickness mm													
	0,80	1	1,2	1,5	1,6	2	2,5	2,6	3	3,2	3,6	4	5	6
6		0,125												
8	0,144	0,175												
10	0,184	0,225	0,264	0,319										
12	0,224	0,275	0,325	0,394	0,417	0,501								
12,7	0,238	0,293	0,346	0,421	0,445									
14	0,264	0,326	0,385	0,470	0,497	0,601								
15	0,284	0,351	0,415	0,507	0,537	0,651								
16	0,304	0,376	0,445	0,545	0,577	0,701								
17,2	0,329	0,406	0,481	0,590	0,625	0,761	0,920	0,951	1,067					
18	0,345	0,426	0,505	0,620	0,657	0,801	0,970	1,003	1,127					
19	0,365	0,451	0,535	0,657	0,697	0,851	1,033	1,068	1,202					
19,05	0,366	0,452	0,536	0,659	0,699	0,854	1,036	1,071	1,206					
20	0,385	0,476	0,565	0,695	0,737	0,901	1,096	1,133	1,277					
21,3	0,411	0,508	0,604	0,744	0,789	0,967	1,177	1,217	1,375					
22	0,425	0,526	0,625	0,770	0,817	1,002	1,221	1,263	1,427					
23	0,445	0,551	0,655	0,808	0,857	1,052	1,283	1,328	1,502					
24	0,465	0,576	0,685	0,845	0,897	1,102	1,346	1,393	1,578					
25	0,485	0,601	0,715	0,883	0,937	1,152	1,409	1,458	1,653					
25,4	0,493	0,611	0,727	0,898	0,954	1,172	1,434	1,484	1,683					
26,9	0,523	0,649	0,772	0,954	1,014	1,247	1,527	1,582	1,795					
28	0,545	0,676	0,805	0,995	1,058	1,302	1,596	1,654	1,878					
29	0,565	0,701	0,835	1,033	1,098	1,352	1,659	1,719	1,953					
30	0,585	0,726	0,865	1,070	1,138	1,402	1,722	1,784	2,028					
31,80	0,621	0,771	0,919	1,138	1,210	1,492	1,834	1,901	2,163					
32	0,625	0,776	0,925	1,146	1,218	1,502	1,847	1,914	2,178					
33	0,645	0,801	0,956	1,183	1,258	1,552	1,909	1,979	2,254					
33,7	0,659	0,819	0,977	1,209	1,286	1,588	1,953	2,025	2,306	2,444				
34	0,665	0,826	0,986	1,221	1,298	1,603	1,972	2,044	2,329	2,468				
35	0,685	0,851	1,016	1,258	1,338	1,653	2,035	2,109	2,404	2,548				
38	0,745	0,926	1,106	1,371	1,458	1,803	2,222	2,305	2,629	2,788	3,101	3,405		
40	0,785	0,977	1,166	1,446	1,538	1,903	2,348	2,435	2,779	2,949	3,281	3,606		
41		1,002	1,196	1,484	1,579	1,953	2,410	2,500	2,855	3,029	3,371	3,706		
42		1,027	1,226	1,521	1,619	2,003	2,473	2,565	2,930	3,109	3,462	3,806		
42,4		1,037	1,238	1,536	1,635	2,023	2,498	2,591	2,960	3,141	3,498	3,846		
43		1,052	1,256	1,559	1,659	2,053	2,535	2,630	3,005	3,189	3,552	3,906		
44,5		1,089	1,301	1,615	1,719	2,128	2,629	2,728	3,117	3,309	3,687	4,056		
45		1,102	1,316	1,634	1,739	2,153	2,661	2,760	3,155	3,349	3,732	4,107		
48		1,177	1,406	1,747	1,859	2,304	2,848	2,956	3,380	3,590	4,002	4,407		
48,3		1,184	1,415	1,758	1,871	2,319	2,867	2,975	3,403	3,614	4,029	4,437		
50		1,227	1,466	1,822	1,939	2,404	2,974	3,086	3,531	3,750	4,183	4,607		
50,8		1,247	1,490	1,852	1,971	2,444	3,024	3,138	3,591	3,814	4,255	4,687		
51		1,252	1,496	1,859	1,979	2,454	3,036	3,151	3,606	3,830	4,273	4,708		
52		1,277	1,526	1,897	2,019	2,504	3,099	3,216	3,681	3,910	4,363	4,808		
53		1,302	1,556	1,934	2,059	2,554	3,161	3,281	3,756	3,990	4,453	4,908		
54		1,327	1,587	1,972	2,099	2,604	3,224	3,346	3,831	4,071	4,543	5,008		
55		1,352	1,617	2,009	2,139	2,654	3,287	3,411	3,906	4,151	4,633	5,108		
57		1,402	1,677	2,085	2,220	2,754	3,412	3,542	4,056	4,311	4,814	5,308		
60,3		1,485	1,776	2,209	2,352	2,920	3,618	3,757	4,304	4,575	5,111	5,639	6,924	
63,5		1,565	1,872	2,329	2,480	3,080	3,819	3,965	4,545	4,832	5,400	5,960	7,324	
70		1,728	2,067	2,573	2,740	3,405	4,226	4,388	5,033	5,353	5,986	6,611	8,138	
73		1,803	2,157	2,686	2,861	3,556	4,413	4,583	5,258	5,593	6,256	6,911	8,514	
76,1		1,881	2,251	2,802	2,985	3,711	4,607	4,785	5,491	5,841	6,535	7,222	8,902	
80		1,978	2,368	2,948	3,141	3,906	4,852	5,039	5,784	6,154	6,887	7,612	9,390	
83		2,053	2,458	3,061	3,261	4,056	5,039	5,234	6,010	6,394	7,157	7,913	9,766	
84		2,078	2,488	3,099	3,301	4,107	5,102	5,299	6,085	6,474	7,248	8,013	9,891	
85		2,103	2,518	3,136	3,341	4,157	5,165	5,365	6,160	6,554	7,338	8,113	10,016	
88,9			2,635	3,283	3,498	4,352	5,409	5,618	6,453	6,867	7,689	8,504	10,504	
95				3,512	3,742	4,657	5,791	6,016	6,911	7,356	8,239	9,115	11,268	
101,6				3,760	4,006	4,988	6,204	6,445	7,407	7,885	8,834	9,776	12,094	
103				3,812	4,062	5,058	6,291	6,536	7,512	7,997	8,960	9,916	12,270	
104				3,850	4,103	5,108	6,354	6,602	7,587	8,077	9,050	10,016	12,395	
108				4,000	4,263	5,308	6,604	6,862	7,888	8,397	9,411	10,417	12,896	
114,3				4,237	4,515	5,624	6,999	7,272	8,361	8,902	9,979	11,048	13,684	16,271

weight kg/m														
ROUND TUBES Yuvarlak borular														
outside diameter mm	wall thickness mm													
	0,80	1	1,2	1,5	1,6	2	2,5	2,6	3	3,2	3,6	4	5	6
127				4,714	5,024	6,260	7,794	8,099	9,315	9,920	11,124	12,320	15,274	18,179
129				4,789	5,104	6,360	7,919	8,229	9,465	10,080	11,304	12,520	15,525	18,480
139,7				5,191	5,533	6,896	8,589	8,926	10,269	10,937	12,269	13,592	16,864	20,087
153				5,690	6,066	7,562	9,421	9,792	11,268	12,003	13,468	14,924	18,530	22,085
154				5,728	6,106	7,612	9,484	9,857	11,343	12,083	13,558	15,024	18,655	22,236
155				5,765	6,146	7,662	9,547	9,922	11,418	12,163	13,648	15,124	18,780	22,386
156				5,803	6,186	7,712	9,609	9,987	11,493	12,244	13,738	15,224	18,905	22,536
159				5,916	6,306	7,863	9,797	10,182	11,719	12,484	14,008	15,525	19,281	22,987
168,3				6,265	6,679	8,328	10,379	10,788	12,417	13,229	14,847	16,456	20,445	24,384
204				7,606	8,109	10,116	12,614	13,112	15,099	16,090	18,065	20,032	24,915	29,748
205				7,643	8,149	10,166	12,677	13,177	15,174	16,170	18,155	20,132	25,040	29,898
206						10,216	12,739	13,242	15,249	16,250	18,245	20,232	25,165	30,048
219,1						10,872	13,559	14,095	16,233	17,300	19,426	21,544	26,805	32,016
254						12,620	15,744	16,367	18,855	20,096	22,572	25,040	31,175	37,260
255						12,670	15,807	16,432	18,930	20,176	22,662	25,140	31,300	37,410
256						12,720	15,869	16,497	19,005	20,256	22,752	25,240	31,425	37,560
273						13,572	16,933	17,604	20,282	21,619	24,285	26,943	33,554	40,114
304						15,124	18,874	19,622	22,611	24,103	27,079	30,048	37,435	44,772
306						15,224	18,999	19,753	22,761	24,263	27,260	30,248	37,685	45,072
323,9						16,121	20,120	20,918	24,106	25,697	28,873	32,041	39,926	47,761
355,6						17,708	22,104	22,982	26,487	28,237	31,731	35,216	43,895	52,524
406,4						20,252	25,284	26,289	30,303	32,308	36,310	40,304	50,255	60,156

Standard delivery program - *Programma di fornitura standard*



weight kg/m

ROUND TUBES Yuvarlak borular					EN 10217-7 EN 10357
outside diameter mm		wall thickness mm			
		1	1,5	1,6	2
18		0,426	0,620		
19			0,657		
22		0,526	0,770		
23			0,808		
25		0,715			
28		0,676	0,995		
29			1,033		
33			1,183		
34		0,826	1,221		
35			1,258		
38		1,106	1,371	1,458	
40		0,977	1,446		
41			1,484		
43			1,559		
50,8		1,490	1,852	1,971	
51		1,496			
52		1,277	1,897		
53			1,934		
63,5			2,329	2,480	
70					3,405
76,1			2,802	2,985	
85					4,157
101,6					4,988
104					5,108
129					6,360
154					7,612
204					10,116

weight kg/m

ROUND TUBES Yuvarlak borular					EN 10217-7 DVGW 541
outside diameter mm		wall thickness mm			
		1	1,2	1,5	2
15		0,351			
18		0,426			
22			0,625		
28			0,805		
35				1,258	
42				1,521	
54				1,972	
76,1					3,711
88,9					4,352
108					5,308

In order to offer the most advanced technological response and to help develop, apply and enforce the most rigorous protocols for food safety, Marcegaglia Specialties was the **first company** the stainless steel tubes to obtain for process pipes for the food and dairy industry EN 10217-7 the **EHEDG** certification, about the compliance of the preparation and packaging processes of food products, according to hygiene criteria.

En gelişmiş teknolojik yanıtı sunmak ve gıda güvenliği için en titiz kuralların geliştirilmesine, uygulanmasına ve yürütülmesine yardımcı olmak amacıyla Marcegaglia Specialties, gıda ve süt ürünleri sanayisine yönelik proses boruları için gıda ürünlerinin hijyen kriterlerine göre hazırlanması ve paketlenmesi süreçlerine uyum hakkındaki EN 10217-7 **EHEDG** sertifikasyonunu alan **ilk paslanmaz çelik boru üreticisi şirket** oldu.

weight kg/m

ROUND TUBES Yuvarlak borular							EN 10217-7 A270
		Birmingham Wire Gauge					
		18	16	14	12	11	
		1,24	1,65	2,11	2,77	3,05	
mm	inches	wall thickness mm					
15,88	$\frac{5}{8}''$	0,455	0,588	0,728			
19,05	$\frac{3}{4}''$	0,553	0,719	0,895			
25,4	1"	0,750	0,981	1,231	1,570	1,707	
31,8	1 $\frac{1}{4}''$	0,949	1,246	1,569	2,014	2,196	
38,1	1 $\frac{1}{2}''$	1,144	1,506	1,902	2,451	2,677	
44,45	1 $\frac{3}{4}''$	1,342	1,768	2,237	2,891	3,162	
50,8	2"	1,539	2,031	2,573	3,331	3,647	
60,3	2 $\frac{3}{8}''$	1,834	2,423	3,074	3,990	4,372	
63,5	2 $\frac{1}{2}''$	1,933	2,555	3,244	4,212	4,617	
76,2	3"	2,327	3,080	3,915	5,093	5,587	
88,9	3 $\frac{1}{2}''$		3,605	4,585	5,974	6,557	
101,6	4"		4,130	5,256	6,855	7,526	
114,3	4 $\frac{1}{2}''$		4,654	5,927	7,736	8,496	



ROUND PIPES

Yuvarlak borular

EN 10217-7 - ASTM A312, A778

weight kg/m

NPS	outside diameter mm	standard ANSI B 36-19					
		schedule 5S		schedule 10S		schedule 40S	
		wall thickness					
		mm	kg/m	mm	kg/m	mm	kg/m
3/8"	17,15			1,65	0,640	2,31	0,858
1/2"	21,34	1,65	0,814	2,11	1,016	2,77	1,288
3/4"	26,67	1,65	1,034	2,11	1,298	2,87	1,710
1"	33,4	1,65	1,312	2,77	2,125	3,38	2,541
1 1/4"	42,16	1,65	1,674	2,77	2,732	3,56	3,441
1 1/2"	48,26	1,65	1,926	2,77	3,155	3,68	4,108
2"	60,33	1,65	2,424	2,77	3,992	3,91	5,524
2 1/2"	73,03	2,11	3,747	3,05	5,345	5,16	8,769
3"	88,9	2,11	4,585	3,05	6,557	5,49	11,466
3 1/2"	101,6	2,11	5,256	3,05	7,526		
4"	114,3	2,11	5,927	3,05	8,496		

The great attention to quality and process improvement has led Marcegaglia Specialties to obtain important certifications: **round welded process pipes for oil and gas EN 10217-7** are TUV - AD2000 W2 / W10 certified, according to PED 2014/68/EU Directive about the design, construction, equipment and installation of pressure equipment.

The EU Pressure Equipment Directive aims to guarantee free movement of the products in its scope while ensuring a high level of safety.

Kaliteye ve süreç iyileştirmeye gösterilen büyük özen Marcegaglia Specialties'in önemli sertifikalar almasını sağlamıştır: **petrol ve gaz için yuvarlak dikişli proses boruları EN 10217-7**, basınçlı ekipmanların tasarımı, yapımı, donatımı ve kurulumu hakkındaki PED 2014/68/EU Direktifine göre TUV - AD2000 W2 / W10 sertifikalıdır.

AB Basınçlı Ekipmanlar Direktifi, yüksek düzeyde güvenlik sağlarken bu direktif kapsamındaki ürünlerin serbest dolaşımını garanti etmeyi amaçlamaktadır.



TUBES FOR HEAT EXCHANGERS

ISI EŞANJÖRLERİ İÇİN YUVARLAK BORULAR

EN 10217-7
ASTM A249

outside diameter		Birmingham Wire Gauge				
		18	16	14	12	11
		1,24	1,65	2,11	2,77	3,05
mm	inches	wall thickness mm				
15,88	5/8"	0,455	0,588	0,728		
19,05	3/4"	0,553	0,719	0,895		
25,4	1"	0,750	0,981	1,231	1,570	1,707
31,8	1 1/4"	0,949	1,246	1,569	2,014	2,196
38,1	1 1/2"	1,144	1,506	1,902	2,451	2,677
44,45	1 3/4"	1,342	1,768	2,237	2,891	3,162
50,8	2"	1,539	2,031	2,573	3,331	3,647
60,3	2 3/8"	1,834	2,423	3,074	3,990	4,372
63,5	2 1/2"	1,933	2,555	3,244	4,212	4,617
76,2	3"	2,327	3,080	3,915	5,093	5,587
88,9	3 1/2"		3,605	4,585	5,974	6,557
101,6	4"		4,130	5,256	6,855	7,526
114,3	4 1/2"		4,654	5,927	7,736	8,496

weight kg/m

EN 10217-7
ASTM A249



Marcegaglia Specialties manufactures a range of **stainless steel round tubes EN 10217-7** and has strengthened production with the introduction of two new laser lines, for the processing of tubes with a diameter of less than 35 mm, to better serve the market of **heat exchangers** and **boilers**.

Marcegaglia Specialties, **EN 10217-7** standardında bir dizi **yuvarlak paslanmaz çelik boru** üretmektedir, ayrıca **ısı eşanjörü** ve **kazan pazarına** daha iyi hizmet sunabilmek amacıyla çapı 35 mm'yi geçmeyen boruların işlenmesi için iki yeni lazer hattı daha devreye sokarak üretimi takviye etmiştir.

weight kg/m										
ROUND TUBES Austenitic grades 1.4301, 1.4307 - Ferritic grades 1.4512, 1.4509, 1.4510										
Yuvarlak borular Östenitik 1.4301, 1.4307 - Ferritik 1.4512, 1.4509, 1.4510										
outside diameter mm	wall thickness mm									
	1		1,2		1,5		1,8		2	
	austenitic	ferritic	austenitic	ferritic	austenitic	ferritic	austenitic	ferritic	austenitic	ferritic
20	0,476	0,471	0,565	0,559	0,695	0,688	0,820	0,812	0,901	0,893
22	0,526	0,521	0,625	0,619	0,770	0,763	0,910	0,902	1,002	0,992
25	0,601	0,595	0,715	0,708	0,883	0,874	1,046	1,036	1,152	1,141
28	0,676	0,670	0,805	0,798	0,995	0,986	1,181	1,170	1,302	1,290
30	0,726	0,719	0,865	0,857	1,070	1,060	1,271	1,259	1,402	1,389
32	0,776	0,769	0,925	0,917	1,146	1,135	1,361	1,348	1,502	1,488
35	0,851	0,843	1,016	1,006	1,258	1,246	1,496	1,482	1,653	1,637
38	0,926	0,918	1,106	1,095	1,371	1,358	1,632	1,616	1,803	1,786
40	0,977	0,967	1,166	1,155	1,446	1,432	1,722	1,705	1,903	1,885
42	1,027	1,017	1,226	1,214	1,521	1,507	1,812	1,795	2,003	1,984
43	1,052	1,041	1,256	1,243	1,559	1,543	1,857	1,839	2,053	2,033
44,5	1,089	1,078	1,301	1,288	1,615	1,599	1,925	1,906	2,128	2,108
45	1,102	1,091	1,316	1,303	1,634	1,618	1,947	1,928	2,153	2,133
48	1,177	1,166	1,406	1,393	1,747	1,730	2,082	2,062	2,304	2,282
50	1,227	1,215	1,466	1,452	1,822	1,804	2,172	2,152	2,404	2,381
50,8	1,247	1,235	1,490	1,476	1,852	1,833	2,209	2,187	2,444	2,420
52	1,277	1,264	1,526	1,511	1,897	1,878	2,263	2,240	2,504	2,480
53	1,302	1,290	1,556	1,542	1,934	1,916	2,308	2,286	2,554	2,530
54	1,327	1,314	1,587	1,571	1,972	1,953	2,353	2,330	2,604	2,579
55	1,352	1,339	1,617	1,601	2,009	1,990	2,398	2,375	2,654	2,629
57	1,402	1,389	1,677	1,661	2,085	2,065	2,488	2,464	2,754	2,728
58	1,427	1,414	1,707	1,690	2,122	2,102	2,533	2,509	2,804	2,778
60	1,477	1,463	1,767	1,750	2,197	2,176	2,623	2,598	2,905	2,877
60,3	1,495	1,470	1,776	1,758	2,209	2,187	2,637	2,611	2,920	2,891
63,5	1,565	1,550	1,872	1,854	2,329	2,306	2,781	2,754	3,080	3,050
65	1,603	1,587	1,917	1,899	2,385	2,362	2,849	2,821	3,155	3,125
70	1,728	1,711	2,067	2,047	2,573	2,548	3,074	3,044	3,405	3,373
73	1,803	1,785	2,157	2,136	2,686	2,659	3,209	3,178	3,556	3,521
75	1,853	1,835	2,218	2,196	2,761	2,734	3,299	3,267	3,656	3,620
76,1			2,251	2,229	2,802	2,775	3,349	3,317	3,711	3,675
80			2,368	2,345	2,948	2,920	3,525	3,491	3,906	3,869
83			2,458	2,434	3,061	3,031	3,660	3,624	4,056	4,017
84			2,488	2,464	3,099	3,069	3,705	3,669	4,107	4,067
85			2,518	2,494	3,136	3,106	3,750	3,714	4,157	4,117
88,9			2,635	2,610	3,283	3,251	3,926	3,888	4,352	4,310
101,6					3,760	3,724	4,498	4,455	4,988	4,940
104					3,850	3,813	4,606	4,562	5,108	5,059
108					4,000	3,962	4,787	4,741	5,308	5,258
110					4,075	4,036	4,877	4,830	5,409	5,357
114,3					4,237	4,196	5,071	5,022	5,624	5,570
127					4,714	4,669	5,643	5,589	6,260	6,200
129					4,789	4,743	5,733	5,678	6,360	6,299
130					4,826	4,780	5,778	5,723	6,410	6,349
139,7					5,191	5,141	6,215	6,156	6,896	6,830
155					5,765	5,710	6,905	6,839	7,662	7,589

To serve the automotive sector, Marcegaglia manufactures a wide range of **stainless steel round tubes EN 10296-2** for **exhaust systems** and for **hydroforming applications**, as well as **custom shaped sections** for bus frames and it is implementing its specific know-how in the production of ferritic and **duplex tubes**.

Marcegaglia, otomotiv sektörüne hizmet vermek amacıyla **egzoz sistemleri ve hidroforming uygulamaları için çok çeşitli yuvarlak EN 10296-2** paslanmaz çelik borular ve otobüs şasisleri için **özel şekilli profiller** üretmektedir ve ferritik ve dubleks boruların üretiminde kendine özgü uzmanlığını uygulamaktadır.

weight kg/m	
T. 1739 • 30%	
Thickness (mm)	kg/m
1,5	3,24
T. 2035 • 30%	
Thickness (mm)	kg/m
2	3,90
T. 2029 • 50%	
Thickness (mm)	kg/m
1,5	5,11

weight kg/m					
Square hollow sections Ferritic grade 1.4003					
Kare borular - Ferritik derecesi 1.4003					
external dimensions		wall thickness mm			
A x A mm		1.5	2.0	3.0	4.0
20	20	0,873			
30	30	1,337	1,758		
40	40	1,801	2,377	3,492	4,559
50	50		2,995	4,42	5,796
60	60			5,347	7,032
80	80			7,202	
100	100			9,058	

weight kg/m					
Rectangular hollow sections Ferritic grade 1.4003					
Dikdörtgen borular - Ferritik derecesi 1.4003					
external dimensions		wall thickness mm			
H x B (mm)		1.5	2.0	3.0	4.0
30	20	1,105			
40	10	1,105			
40	20	1,337	1,758		
40	30	1,569	2,067	3,028	
50	30		2,377	3,492	
50	40		2,686	3,956	
60	20		2,377		
60	30		2,686	3,956	
60	40	2,264	2,995	4,42	5,796
80	30		3,304	4,883	
80	40		3,613	5,347	
80	60			6,275	8,269
100	40		4,232	6,275	
100	50			6,739	
120	40			7,202	
120	80			9,058	11,979



weight kg/m

SQUARE TUBES Tubi quadri									ASTM A554
external dimensions	wall thickness mm								
A x A mm	1	1,2	1,5	2	2,5	3	4	5	
10 x 10	0,294	0,347	0,422						
15 x 15	0,453	0,538	0,661	0,857					
16 x 16	0,485	0,576	0,709	0,921					
20 x 20	0,613	0,729	0,901	1,176					
25 x 25	0,772	0,921	1,140	1,495	1,837	2,167			
30 x 30	0,932	1,112	1,379	1,814	2,236	2,645			
35 x 35	1,091	1,304	1,618	2,133	2,635	3,124			
40 x 40	1,251	1,495	1,858	2,452	3,033	3,602	4,703		
45 x 45	1,410	1,686	2,097	2,771	3,432	4,081	5,341		
50 x 50		1,878	2,336	3,090	3,831	4,559	5,979	7,349	
60 x 60			2,814	3,728	4,628	5,516	7,255	8,943	
70 x 70			3,293	4,366	5,426	6,473	8,531	10,538	
80 x 80			3,771	5,004	6,223	7,430	9,807	12,133	
100 x 100			4,728	6,279	7,818	9,344	12,359	15,323	
120 x 120				7,555	9,413	11,258	14,910	18,513	
150 x 150				9,469	11,805	14,129	18,738	23,298	
200 x 200				12,659	15,793	18,913	25,118	31,272	

Standard delivery program - Programma di fornitura standard

weight kg/m

RECTANGULAR TUBES Dikdörtgen profil									ASTM A554
external dimensions	wall thickness mm								
A x B mm	1	1,2	1,5	2	2,5	3	4	5	
20 x 10	0,453	0,538	0,661						
20 x 15	0,533	0,634	0,781	1,016					
25 x 10	0,533	0,634	0,781	1,016					
25 x 15	0,613	0,729	0,901	1,176					
30 x 10	0,613	0,729	0,901	1,176					
30 x 15	0,693	0,825	1,020	1,335					
30 x 20	0,772	0,921	1,140	1,495	1,837	2,167			
35 x 20	0,852	1,017	1,259	1,654	2,036	2,406			
40 x 10	0,772	0,921	1,140	1,495	1,837	2,167			
40 x 15	0,852	1,017	1,259	1,654	2,036	2,406			
40 x 20	0,932	1,112	1,379	1,814	2,236	2,645			
40 x 27	1,044	1,246	1,547	2,037	2,515	2,980			
40 x 30	1,091	1,304	1,618	2,133	2,635	3,124			
50 x 10	0,932	1,112	1,379	1,814	2,236	2,645			
50 x 20	1,091	1,304	1,618	2,133	2,635	3,124			
50 x 25	1,171	1,399	1,738	2,292	2,834	3,363			
50 x 30	1,251	1,495	1,858	2,452	3,033	3,602			
50 x 40	1,410	1,686	2,097	2,771	3,432	4,081			
60 x 10	1,091	1,304	1,618	2,133	2,635	3,124			
60 x 20	1,251	1,495	1,858	2,452	3,033	3,602			
60 x 30	1,410	1,686	2,097	2,771	3,432	4,081			
60 x 40			2,336	3,090	3,831	4,559	5,979		
70 x 20			2,097	2,771	3,432	4,081	5,341		
70 x 40			2,575	3,409	4,229	5,038	6,617		
80 x 20			2,336	3,090	3,831	4,559	5,979		
80 x 30			2,575	3,409	4,229	5,038	6,617		
80 x 40			2,814	3,728	4,628	5,516	7,255	8,943	
80 x 50			3,054	4,047	5,027	5,995	7,893	9,741	
80 x 60			3,293	4,366	5,426	6,473	8,531	10,538	
100 x 40			3,293	4,366	5,426	6,473	8,531	10,538	
100 x 50			3,532	4,685	5,824	6,952	9,169	11,336	
100 x 60			3,771	5,004	6,223	7,430	9,807	12,133	
100 x 80			4,250	5,641	7,021	8,387	11,083	13,728	
120 x 40			3,771	5,004	6,223	7,430	9,807	12,133	
120 x 60			4,250	5,641	7,021	8,387	11,083	13,728	
120 x 80			4,728	6,279	7,818	9,344	12,359	15,323	
150 x 50				6,279	7,818	9,344	12,359	15,323	
150 x 100				7,874	9,812	11,736	15,548	19,310	
160 x 80				7,555	9,413	11,258	14,910	18,513	
200 x 100				9,469	11,805	14,129	18,738	23,298	

Standard delivery program - Standart teslimat programı

OVAL WELDED TUBES
DİKİŞLİ OVAL BORULAR

ASTM A554

weight kg/m

OVAL TUBES Oval borular					ASTM A554	
external dimensions		wall thickness mm				
A x B mm		1	1,2	1,5	2	
21,8 x 11,8		0,426	0,505	0,620	0,801	
22 x 12		0,426	0,505	0,620	0,801	
24 x 13		0,452	0,536	0,659	0,854	
25,4 x 8		0,452	0,536	0,659	0,854	
30 x 15		0,611	0,727	0,898	1,172	
30 x 20		0,649	0,772	0,954	1,247	
35 x 15		0,676	0,805	0,995	1,302	
38,5 x 20		0,776	0,925	1,146	1,502	
41 x 20		0,819	0,977	1,209	1,588	
41,27 x 15,88		0,776	0,925	1,146	1,502	
48,5 x 20		0,929	1,109	1,375	1,808	
50 x 10		0,851	1,016	1,258	1,653	



SPECIAL SHAPES FOR WINDOW AND DOOR FRAMES
PENCERE VE KAPI ÇERÇEVELERİ İÇİN ÖZEL PROFİLLER

1A	• 55%	1B	• 55%	1C	• 55%
Thickness (mm)	kg/m	Thickness (mm)	kg/m	Thickness (mm)	kg/m
1,2	1,39	1,2	1,68	1,2	1,58



STANDARD DELIVERY PROGRAMS
STANDART TESLİMAT PROGRAMLARI

EN 10296-2
ASTM A554

POLISHED / MIRROR POLISHED ROUND TUBES						EN 10296-2	
Satine/ayna parlaklığında yuvarlak borular							
outside diameter mm	wall thickness mm						
	1	1,5	2	2,5	3		
10	•	•					
12	○	• ○					
15		•					
16	○	• ○	•				
17,2			•				
18		•	•				
20		• ○	•				
21,3			•				
25		• ○	•				
26,9			•				
30		• ○	•				
32		•	•				
33,7			•	•			
38		• ○	•				
40		• ○	• ○				
42,4			•	•	•		
48,3			•	•			
50		○	•				
50,8		○					
60,3			•	•			
76,1			•				
88,9			•				
114,3			•				
129			•				

• Polished* - Satine* ○ Mirror polished - Ayna parlaklığında



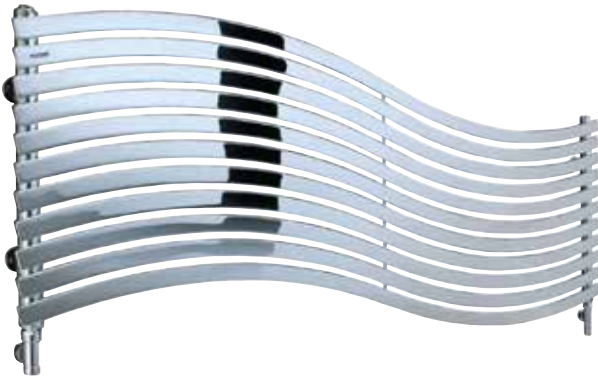
(*) Upon request - polishing available for other sizes
Talep üzerine - diğer boyutlar için polisaj yapılabilir

POLISHED SQUARE TUBES						ASTM A554	
Satine kare borular							
external dimensions		wall thickness mm					
A x A mm		1	1,2	1,5	2	3	
15 x 15			•	•			
20 x 20			•	•	•		
25 x 25			•	•	•		
30 x 30			•	•	•		
35 x 35			•	•			
40 x 40	•		•	•	•	•	
50 x 50				•	•	•	
60 x 60					•	•	
80 x 80					•	•	
100 x 100						•	

• Polished* - Satine*

POLISHED RECTANGULAR TUBES					ASTM A554	
Satine dikdörtgen borular						
dimensions		wall thickness mm				
A x B mm		1,2	1,5	2	3	
20 x 10			•			
25 x 10			•			
30 x 10	•		•			
30 x 15			•	•		
30 x 20			•	•		
40 x 10			•			
40 x 15			•			
40 x 20	•		•	•		
40 x 30				•		
50 x 10			•			
50 x 20			•	•		
50 x 25			•	•		
50 x 30			•	•		
60 x 20			•			
60 x 30			•	•		
60 x 40			•	•	•	
80 x 40				•	•	
100 x 40				•	•	
100 x 50				•	•	
100 x 60					•	
120 x 40				•		

• Polished* - Satine*





HEADQUARTERS

MARCEGAGLIA Gazoldo degli Ippoliti
via Bresciani, 16
46040 Gazoldo degli Ippoliti, Mantova - Italy
www.marcegaglia.com

SALES OFFICES - ITALY:

MARCEGAGLIA stainless steel division
46040 Gazoldo degli Ippoliti, Mantova - Italy
phone +39 . 0376 685 367
inox@marcegaglia.com

PLANTS - ITALY:

MARCEGAGLIA Gazoldo degli Ippoliti
via Bresciani, 16
46040 Gazoldo degli Ippoliti, Mantova - Italy
phone +39 . 0376 685 1
info@marcegaglia.com

MARCEGAGLIA Forlì
via E. Mattei, 20 - 47034 Forlimpopoli, Forlì - Italy
phone +39 . 0543 470 111
forli@marcegaglia.com

via Correcchio, 2/B - 47122 Forlì - Italy
phone +39 . 0543 470 111
forli@marcegaglia.com

MARCEGAGLIA Contino
via A.I.D.O., 3
46049 Contino di Volta Mantovana, Mantova - Italy
phone +39 . 0376 846 01
contino@marcegaglia.com

PLANTS AND SALES OFFICES - WORLDWIDE:

MARCEGAGLIA RUSSIA Vladimir
Str B. Nizhegorodskaya Nr. 92 B
600020 Vladimir - Russian Federation
phone +7 (4922) 40-56-61
ru@marcegaglia.com - www.marcegaglia.ru

MARCEGAGLIA TURKEY
Barajyolu Velimeşe Mah. Küme Evleri Pelitlik Mevkii
Sanayi Bölgesi No 108 Ergene/Tekirdağ/Türkiye
phone +90 282 693 59 00 Fax +90 282 693 59 59
turkiye@marcegaglia.com

MARCEGAGLIA DO BRASIL Garuva
Rodovia BR101 Km 11 - Bairro Urubuquara 89248-000
Garuva, Santa Catarina Brasil
phone +55 . 47 . 3431 64 05
vendas@marcegaglia.com.br
www.marcegaglia.com.br