



YOUNG. FERROUS. FUTURE.



MODA ÇELİK

GENERAL PRODUCT CATALOGUE



START SCAN

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Moda Çelik

About Us

Moda Çelik stands as a premier solution partner in the steel industry, specializing in the supply of high-grade welded and seamless pipes through a team of seasoned professionals. As a strategic distribution partner for **Borusan Boru**, we bridge the gap between world-class manufacturing and global market demands. Our core mission is to enhance project efficiency by delivering not just products, but tailor-made engineering solutions and premium steel alternatives that exceed customer expectations.

To ensure uninterrupted supply chains for our business partners, **Moda Çelik operates from a 3,500 m² modern warehouse facility**, maintaining a comprehensive and ready-to-ship inventory. Our stock range includes high-performance welded pipes directly from Borusan Boru advanced production lines, alongside top-tier seamless steel pipes sourced from internationally certified and prestigious mills worldwide. At Moda Çelik, we ensure that industrial excellence and operational efficiency are always in "**Moda**".

Complementing our core pipe supply, we offer an extensive portfolio of essential hardware and installation components to provide a true "one-stop-shop" experience. Our readily available stock includes a full range of fittings, welded patent materials, and pipe clamps, as well as critical fasteners like threaded rods, bolts, nuts, and washers. By supplying these integral components alongside our steel pipes, Moda Çelik simplifies procurement processes and ensures technical compatibility for every project we support.



Just like this historic line that connects the heart of Istanbul, we take pride in being a reliable bridge in your supply chain.

Our namesake: **The iconic 'Moda' Tram** in Moda, Kadıköy District, ISTANBUL

Moda elik

About Us

The Story Behind Our Name: From MODA to the World

The name "MODA" carries a special meaning for us. Long-time colleagues and close friends, Anil and Orhan, first decided to establish this company while enjoying tea at a seaside tea garden in Moda, Kadıköy District, ISTANBUL—one of the world's most beautiful and prestigious districts. Beyond being the birthplace of our company, MODA symbolizes the "classy and premium service" we strive to provide. We believe that no other name could better represent the elegance, reliability, and high standards that define our business approach.



A drawing from the tea garden in Moda, Kadıköy District, ISTANBUL

ERW WATER PIPES

Sizes

Outside Diameter

21,3 mm - 339,7 mm
1/2" - 13 3/8"

Wall Thickness

2,0 mm - 12,7 mm
0,079" - 0,500"

Length

3,00 m - 18,30 m
9,8 ft - 60 ft

Production Standards & Material Qualities

- Production Norms
EN 10224, EN 10255, ISO 65, ASTM A 53, ASTM A 795, ASTM A 589
- Galvanizing Norms
EN 10240, EN ISO 1461 (BS 729), ASTM A 53, NFA 49-700, UNI 5745
- Production Standard for Threading and Coupling (1/2"- 6")
ISO 7/1, ANSI B.1.20.1, EN 10255
- Grooving (3/4"-12") according to Victaulic Standard.
- Our medium series pipes can be guaranteed up to 25 bar operating pressure for water.
- Material Qualities
DIN 17100: St 37, St 44, St 52
EN 10025: S 195, S 235, S 275, S 355, Gr A, Gr B

Production Range (EN 10255)

Outside Diameter (mm)	Nominal Bore		Wall Thickness (mm)									
	(mm)	(inch)	2,0	2,3	2,6	2,9	3,2	3,6	4,0	4,5	5,5	5,4
21,3	13	1/2	L2	L/L1	M		H					
26,9	30	3/4		L2/L1/L	M		H					
33,7	25	1			L2	L/L1	M		H			
42,4	32	1 1/4			L2	L/L1	M		H			
48,3	40	1 1/2				L2/L1/L	M		H			
60,3	52	2				L2	L/L1	M		H		
76,1	65	2 1/2					L2/L1/L	M		H		
88,9	65	3					L2/L	L1	M		H	
114,3	100	4						L2/L	L1	M		H
139,7	125	5								L	M	H
165,1	150	6								L	M	H

H
Heavy Series

M
Medium Series

L
Light Series

Unit Weights for Black Plain End Pipes						
Outside Diameter (inch)	Outside Diameter (mm)	Unit Weights L Series (kg/mt)	Unit Weights L1 Series (kg/mt)	Unit Weights L2 Series (kg/mt)	Unit Weights M Series (kg/mt)	Unit Weights H Series (kg/mt)
1/2	21,30	1,08	1,08	0,95	1,21	1,44
3/4	26,90	1,40	1,38	1,38	1,56	1,87
1	33,70	2,20	2,20	1,98	2,41	2,93
1 1/4	42,40	2,82	2,82	2,54	3,10	3,79
1 1/2	48,30	3,32	3,24	2,54	3,10	4,37
2	60,30	4,51	4,49	4,23	5,03	6,19
2 1/2	76,10	5,75	5,73	5,71	6,42	7,93
3	88,90	8,90	7,55	6,72	8,36	10,30
4	114,30	9,83	10,80	9,75	12,20	14,50
5	139,70	15,00			16,60	17,90
6	165,10	17,80			19,80	21,30

Tests & Certificates

- Visual and Dimensional Inspection
- Leak tightness testing: Hydrostatic Test, Eddy Current Test
- Destructive Tests: Flattening, Bending
- Mechanical Tests
- Chemical Analysis
- Metallographic Examination
- Others as required by the standards
- Ultrasonic wold seam test if applicable for gas pipes
- Mill Test Certificates
 - Issued upon request according to EN 10204 2:1; 2.2; 3.1; 3.2
- NDT Standards:
 - ET (EN ISO 10893-2), ET (ASTM E309)
- UKCA Certification

Finishing Operations

- Plain end (square cut or bevelled)
- Threaded and coupled (Max OD: 168.3 mm)
- Grooved
- Outside protective coating (black or red vanished)
- Temporary oil application
(Other colors are available upon request.)
- Hot dip galvanizing
- PE, PP Coating
- Bare Pipe (Uncoated)
- Temporary oil application

A795/A795M
TABLE 1 Dimensions, Weights, and Test Pressure For Light -Weight Fire Protection Pipe- Schedule 10

NPS Designator	DN Designator	Outside Diameter		Nominal Wall Thickness		Weight Plain End		Electric-Resistance-Welded		
		in.	mm	in.	mm	lb/ft	kg/m	kPa	kPa	kPa
3/4	30	1.050	(26.7)	0.083	(2.11)	0.85	(1.28)	(3400)	700	(4800)
1	25	1.315	(26.7)	0.109	(2.77)	1.41	(1.29)	(3400)	700	(4800)
1 1/4	32	1.350	(42.2)	0.109	(2.77)	1.41	(2.69)	(3400)	1000	(4800)
1 1/4	40	1.900	(42.2)	0.109	(2.77)	2.09	(2.71)	(3400)	1000	(6900)
2	50	2.375	(60.3)	0.109	(2.77)	3.54	(5.29)	(3400)	1000	(6900)
2 1/2	65	2.375	(73.3)	0.120	(2.29)	3.53	(5.26)	(3400)	1000	(6900)
3	80	3.500	(88.9)	0.120	(3.09)	4.34	(5.49)	(3400)	1000	(6300)
3 1/2	90	4.500	(111.4)	0.120	(3.09)	5.62	(8.37)	(3400)	1200	(8300)
4	100	4.500	(114.3)	0.120	(3.09)	5.62	(8.37)	(3400)	1200	(8300)
5	125	5.663	(141.3)	0.134	(3.40)	7.78	(11.85)	B	1200	(8300)
6	150	6.665	(168.3)	0.134	(3.40)	9.30	(13.85)	B	1000	(8300)
8	200	8.625	(218.1)	0.188C	(4.78)	16.96	(25.26)	B	800	(5500)
10	250	10.750	(273.1)	0.188C	(4.78)	21.23	(31.62)	B	700	(4800)

TABLE 2 Dimensions,Weights, Test Pressures For Standard-Weight Fire Protection Pipe - Schedule 30 and Schedule 40

NPS Designator	DN Designator	Specified Outside Diameter Sch 30		Nominal Wall Thickness Sch 40		Weight Plain End		Weight Threaded and Coupled		Electric - Resistance - Welded		
		in.	mm	in.	mm	lb/ft	kg/m	lb/ft	kg/m	kPa	kPa	kPa
1/2	12	0.840	(21.3)	0.109	(2.77)	0.85	(1.27)	0.85	(1.27)	(4800)	700	(4800)
3/4	20	1.050	(26.7)	0.113	(2.87)	1.13	(1.39)	1.13	(1.45)	(4800)	700	(6800)
1	32	1.315	(42.4)	0.133	(2.78)	1.68	(2.69)	1.68	(3.40)	(4800)	700	(6900)
1 1/4	32	1.900	(42.2)	0.143	(3.56)	2.27	(3.39)	2.28	(3.40)	(6900)	1000	(6900)
1 1/2	40	1.900	(48.3)	0.145	(3.66)	3.78	(4.05)	2.73	(4.07)	(6900)	1000	(6900)
2	50	2.375	(60.3)	0.154	(5.51)	5.80	(5.69)	3.65	(5.50)	(6900)	1000	(6900)
2 1/2	65	2.875	(73.0)	0.206	(5.16)	5.80	(5.89)	5.82	(8.88)	(6900)	1000	(6900)
3	80	3.500	(88.9)	0.216	(5.49)	7.59	(11.59)	7.62	(11.35)	(8300)	1200	(8300)
3 1/2	90	4.000	(101.6)	0.258	(5.74)	9.12	(13.59)	9.21	(13.71)	(8300)	1200	(8300)
4	100	4.500	(114.3)	0.257	(6.02)	10.80	(16.80)	10.91	(13.29)	(8300)	1200	(8300)
5	150	5.583	(144.3)	0.258	(6.50)	14.83	(21.79)	14.82	(22.07)	C	1200	(8300)
6	100	6.625	(168.3)	0.250	(7.11)	18.99	(28.29)	15.30	(28.60)	C	1200	(8300)
8	200	8.625	(219.1)	0.277A	(7.11)	24.72	(36.82)	25.57	(28.80)	C	1200	(6900)
10	250	10.750	(273.1)	0.307A	(7.80)	34.27	(51.05)	35.78	(32.29)	C	1000	(6900)

FIRESPRINKLER PIPES - FIRESIST+

Sizes

Outside Diameter	Wall Thickness
21,3 mm - 323,9 mm	2,0 mm - 12,70 mm
1/2" - 12,751"	0,079" - 0,500"

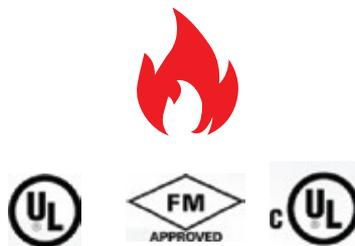
Technical Specifications

- Superior epoxy coating up to 250 microns
- Corrosivity category C4-M certified
- DEKRA certified
- Available in Gray (RAL 7012)
- Roll grooved, Threaded & Coupled or Beveled pipe end
- Eliminates field painting
- Widest range of UL and FM approval, CE certified
- Produced according to ASTM and EN standards
- Pressure ratings up to 300 psi
- Size range between 1/2" -12"
- Reliable in all sizes
- Inner weld seam removal and custom length upon request
- Tight tolerances, consistent roundness and straightness



Technical Specifications

- FM approved
- UL/C-UL Listed
- NFS certified
- Tight tolerances
- Consistent wall thickness, straightness, roundness
- CE, PED certified
- Pressure tested
- Reliable high steel quality
- Galvanised sandblasted varnished coated black, red (RAL 3000, RAL 3002, RAL 3009) or grey (RAL 7012)
- Plain Ends, Grooved or Threaded & Coupled
- Custom length availability



EASY FLOW NON THREADABLE LIGHTWALL

	OD (mm)	OD (Inch)	Wall Thickness (mm)	Wall Thickness (inch)	Weight (kg/m)	Weight (lb/ft)	UL	FM
Easy Flow Light Wall	33,7	1"	2.00	0.079	1,56	1,05		✓
	33,7	1"	2.00	0.009	1,99	1,54		✓
	42,4	1 1/4"	2.30	0.012	1,99	1,34		✓
	42,4	1 1/4"	2.30	0.021	2,27	1,75		✓
	42,4	1 1/4"	2.60	0.102	2,28	1,71		✓
	48,3	1 1/2"	2.60	0.079	2,28	1,93		✓
	48,3	1 1/2"	2.60	0.089	2,83	1,97		✓
	60,3	2"	2.60	0.079	2,99	1,93		✓
	60,3	2"	2.60	0.012	4,10	2,76		✓
	76,1	2 1/2"	2.16	0.086	3,97	2,67		✓
	76,1	2 1/2"	2.20	0.014	5,33	3,93		✓
	88,9	2"	2.20	0.093	5,59	3,38		✓
	88,9	2"	3.20	0.093	6,74	4,34		✓
	114,3	3"	3.20	0.093	7,16	4,54		✓
	114,3	4"	3.60	0.043	6,66	6,60		✓
	188,7	5"	3.60	0.108	11,56	6,60		✓
SCH 7	33,4	1"	2.00	0.114	1,55	1,04	✓	✓
	42,2	1 1/4"	2.97	0.117	1,98	1,93	✓	✓
	40,3	1 1/2"	2.18	0.084	2,27	1,93	✓	✓
	60,3	2"	2.18	0.084	3,85	2,05	✓	✓
	73	2 1/2"	2.16	0.084	3,00	2,05	✓	✓
	88,9	2"	2.36	0.085	5,44	3,38	✓	✓
	114,3	4"	2.60	0.108	7,16	4,81	✓	✓
	114,3	5"	2.60	0.134	11,56	3,38	✓	✓
	26,7	3/4"	2.11	0.063	1,55	0,86	✓	✓
	33,4	1"	2.77	0.163	2,00	1,41	✓	✓
	42,2	1 1/4"	2.77	0.108	2,69	1,81	✓	✓
	48,2	1 1/2"	2.77	0.109	3,11	2,89	✓	✓
	45,3	2"	2.77	0.109	3,91	2,09	✓	✓
	73	2 1/2"	3.05	0.120	5,28	3,33	✓	✓
	88,9	3"	3.05	0.120	5,66	4,94	✓	✓
	101,6	3 1/2"	3.05	0.134	7,41	4,88	✓	✓
SCH 10	114,3	4"	3.05	0.138	7,97	5,63	✓	✓
	114,3	5"	3.4	0.134	11,58	7,38	✓	✓
	168,9	6"	9.4	0.134	11,58	9,30	✓	✓
	219,1	8"	4.78	0.138	24,28	10,56	✓	✓
	273,1	10"	4.78	0.138	31,82	91,30	✓	✓
	273,3	10"	4.78	0.158	31,63	21,23	✓	✓
	33,4	1"	2.00	0.114	2,18	1,48	✓	✓
	42,2	1 1/4"	2.97	0.117	2,87	1,93	✓	✓
	42,3	1 1/4"	3.18	0.125	2,83	2,97	✓	✓
	60,3	2"	3.18	0.185	4,48	3,00	✓	✓
	73	2 1/2"	4.78	0.185	5,81	6,65	✓	✓
	88,9	2"	4.78	0.185	9,92	7,85	✓	✓
	101,6	3 1/2"	4.79	0.188	11,41	7,65	✓	✓
	114,3	4"	4.79	0.198	17,51	8,86	✓	✓
	219,1	6"	7.04	0.277	36,82	24,72	✓	✓
	273,1	10"	7.8	0.257	31,85	24,72	✓	✓
SCH 30	21,3	3/2"	2.77	0.188	1,27	1,03	✓	✓
	26,7	3/4"	2.87	0.113	1,85	1,43	✓	✓
	33,4	1"	3.58	0.133	2,00	1,88	✓	✓
	42,2	1 1/4"	3.56	0.140	3,39	2,37	✓	✓
	48,3	1 1/2"	3.50	0.145	4,39	2,72	✓	✓
	60,5	2"	3.91	0.154	5,45	5,80	✓	✓
	73	2 1/2"	3.16	0.203	6,64	5,80	✓	✓
	88,9	2"	5.29	0.216	11,29	7,26	✓	✓
	101,6	3 1/2"	5.74	0.230	13,58	9,12	✓	✓
	114,3	4"	6.62	0.237	18,99	10,30	✓	✓
	141,3	5"	6.55	0.236	21,79	13,50	✓	✓
	168,3	6"	7.11	0.230	25,39	18,30	✓	✓
	219,1	8"	8.19	0.230	46,29	18,99	✓	✓
	273,1	10"	9.27	0.253	60,29	40,52	✓	✓
	21,3	3/4"	2.23	0.147	1,55	1,48	✓	✓
	26,7	3/4"	3.51	0.155	2,20	1,48	✓	✓
SCH 40	33,4	1"	4.55	0.179	3,25	2,19	✓	✓
	42,2	1 1/4"	4.55	0.191	4,40	3,83	✓	✓
	48,3	1 1/2"	5.08	0.200	5,39	5,85	✓	✓
	60,3	2"	5.54	0.216	7,85	8,06	✓	✓
	73	2 1/2"	7.01	0.276	11,52	7,75	✓	✓
	88,9	2"	7.62	0.200	15,32	10,35	✓	✓
	101,6	3 1/2"	8.08	0.376	15,39	13,57	✓	✓
	114,4	4"	8.56	0.337	22,80	18,50	✓	✓
	141,3	5"	9.52	0.375	31,42	21,04	✓	✓
	168,3	6"	10.07	0.430	43,05	25,20	✓	✓
	219,1	6"	12.70	0.430	65,41	44,00	✓	✓



ASTM FM & UL

	OD (mm)	OD (inch)	Wall Thickness (mm)	Wall Thickness (inch)	Weight (lb/ft)	Weight (kg/mt PE)	FM Approval	UL
Lightwall	33,7	1"	2,00	0.079	1,05	1,56	✓	
	33,7	1"	2,60	0.102	1,34	1,99	✓	
	42,4	1 1/4"	2,00	0.079	1,34	1,98	✓	
	42,4	1 1/4"	2,30	0.079	1,34	2,27	✓	
	42,4	1 1/4"	2,60	0.012	1,71	2,55	✓	
	48,3	1 1/2"	2,00	0.079	1,53	2,28	✓	
	48,3	1 1/4"	2,00	0.079	1,57	2,28	✓	
	48,3	2"	2,00	0.079	1,93	2,93	✓	
	60,3	2"	2,90	0.114	2,73	4,10	✓	
	76,1	2 1/2"	2,18	0.086	2,67	3,97	✓	
	76,1	2 1/2"	2,90	0.114	3,57	4,10	✓	
	78,9	3"	2,36	0.093	3,38	5,04	✓	
	88,9	3"	3,20	0.102	4,54	6,76	✓	
	114,3	4"	2,60	0.102	4,81	7,16	✓	
	114,3	4"	3,60	0.142	6,60	9,83	✓	
165,7	5"	3,40	0.134	7,68	11,43	✓		

	OD (mm)	OD (inch)	Wall Thickness (mm)	Wall Thickness (inch)	FM	UL
EN10255 Medium	21,3	1/2"	2,6	0.102		
	26,9	3/4"	2,6	0.102		
	33,7	1"	3,2	0.126	✓	
	42,4	1 1/4"	3,2	0.126	✓	✓
	48,3	1 1/2"	3,2	0.126	✓	✓
	60,3	2"	3,6	0.142	✓	✓
	76,1	2 1/2"	3,6	0.142	✓	✓
	88,9	3"	4	0.157	✓	✓
	114,3	4"	4,5	0.177	✓	✓
	139,7	5"	5	0.197	✓	✓
165,1	6"	5	0.197	✓	✓	

	OD (mm)	OD (inch)	Wall Thickness (mm)	Wall Thickness (inch)	FM
EN10255 Heavy	21,3	1/2"	3,2	0.126	✓
	26,9	3/4"	3,2	0.126	✓
	33,7	1"	4	0.157	✓
	42,4	1 1/4"	4	0.157	✓
	48,3	1 1/2"	4	0.157	✓
	60,3	2"	4,5	0.177	✓
	76,1	2 1/2"	4,5	0.177	✓
	88,9	3"	5	0.197	✓
	114,3	4"	5,4	0.213	✓
	139,7	5"	5,4	0.213	✓
	165,1	6"	5,4	0.213	✓



ERW LINE PIPES

Sizes

Outside Diameter	Wall Thickness	Length
21,3 mm - 339,7 mm	2,8 mm - 12,7 mm*	6,00 m - 18,30 m
1/2" - 13 3/8"	0.109" - 0.500"	19,68 ft - 60,04 ft

Please ask for shorter lengths

* For US mill up to 15,88 mm available

Production Standards & Material Qualities

Line Pipe

API 5L, PSL 1, PSL 2	A, B, X42-X70
CSA Z 245.1	Gr 241-Gr 359
EN ISO 3183	L245-L485 (N, M, NE, ME)
SI 530	Grade B



Tests & Certificates

- Visual and Dimensional Inspection
- Mechanical Tests:
Tensile, Flattening, Expanding, Bending
Weld Quctility, Fracture Toughness, PP, PE Testing
- Metallographic Examination Purity Analysis
- Chemical Analysis
- Hydrostatic Test
- Non-destructive Inspection:
Eddy Current, Ultrasonic Test (Weld Check)
Ultrasonic (full body, optional)
- Mill Test Certificates
according to EN 10204 2.1; 2.2; 3.1; 3.2
- NDT Standards
UT (EN ISO 10893-11 Level U2),
ET (EN ISO 10893-2 Level E2),
API, EN ISO 3183, CSA, CSA Z245.1

Threading

114.3 mmsOD≤ 339.7 mm: API SL
(Line Pipe according to API SB)

Finishing Operations

Plain and-square cut or beveled / Zaplok
Black self-colored / uncoated
Mill protective coating (black vernish) on the outer surface
Epoxy lining and coating (AWWA C210), API RPSL2
3-Layer coating (DIN 30670, ISO 21809-1)
3-Layer PP coating (DIN 30678, ISO 21809-1)

Heat Treatment

21.3 mmsOD≤88.9 mm: full body
114.3 mmsOD≤339.7 mm: weld seam

Production Range

OD	Wall Thickness (mm & inch)																							
	mm	2.8	2.8	3.2	3.6	3.68	3.7	4.0	4.5	5.1	5.2	6	6.6	7	7.1	8.1	8.4	8.6	8.6	9.5	10.0	11	12	12.7
mm	inch	0.108	0.113	0.133	0.149	0.133	0.142	0.153	0.170	0.200	0.200	0.237	0.258	0.277	0.380	0.318	0.331	0.327	0.354	0.374	0.394	0.472	0.472	0.480
21.3	1/2	1.25	1.25	1.43	1.57	1.60	1.61	1.71																
26.9	3/4	1.66	1.77	1.67	2.07	2.11	2.12	2.26	2.46															
33.7	1	2.13	2.27	2.41	2.67	2.72	2.74	2.92	2.24	3.60														
42.4	1 1/4	2.75	2.51	3.08	3.44	3.51	3.53	3.39	3.21	4.69	4.77													
46.3	1 1/2	3.14	3.15	3.36	3.97	4.05	4.07	4.37	4.66	5.43	5.53													
60.3	2 9/16	3.97	4.24	4.51	5.03	5.16	5.16	5.55	6.18	6.64	7.07													
73	2 7/16	4.85	5.18	5.51	6.16	6.29	6.22	6.81	7.60	8.54	8.69	9.91	10.81	11.39	11.34									
141.9	3 1/16	10.23	6.25	6.19	7.22	7.25	7.77	8.32	15.18	18.84	18.73	17.47	12.45	20.14	14.32									
168.3	4 1/8		8.03	8.77	9.85	10.04	10.02	15.02	18.18	18.73	13.99	16.02	17.53	18.52	18.77	21.21	21.94	23.42	23.37	24.55				
141.3	5 5/16		10.03	10.00	12.23	12.49	12.55	15.52	15.18	17.13	17.43	20.02	21.83	23.78	25.20	25.01	22.53	33.16	46.65	40.90	32.38			
168.3	6 5/8			13.02	19.53	16.54	16.62	16.21	18.18	25.93	20.91	24.01	25.52	27.84	28.22	32.00	33.12	35.87	35.36	37.20	39.04	42.67		
273.1	9 3/4				19.13	19.55	19.65	21.22	23.81	20.91	27.43	31.53	34.59	36.61	37.12	42.15	43.65	44.66	46.63	49.10	51.56	56.45	61.49	64.64
273	10 3/4							25.53	25.90	40.09	34.54	39.51	45.54	54.92	45.96	52.91	54.81	56.97	68.59	61.79	64.86	71.07	77.24	81.52
322.9	12 3/4							31.55	35.54	40.09	40.87	47.04	51.64	54.70	54.47	65.08	65.33	66.87	79.89	79.85	77.41	84.88	92.30	97.46
339.7	13 3/8							42.20	42.08	42.88	49.37	54.21	57.43	68.23	66.24	68.62	70.22	73.40	77.38	81.30	99.16	96.97	102.41	

up to X 52

up to X 60

up to X 65

up to X 70

TUBES FOR PRESSURE PURPOSE / BOILER TUBES

Sizes

Outside Diameter	Wall Thickness	Length
21,3 mm - 339,7mm	2,0 mm - 12,7 mm	5,00 m - 18,30 m
1/2" - 13 3/8"	0,079" - 0,500"	16,40 ft - 60 ft

Please ask for shorter lengths.

Finishing Operations

- Plain End-Square cut or bevelled
- Black self colored/uncoated
- Surface protective coating (black varnished)

Production Standards & Material Qualities

ASTM A 178	GrA, GrC, GrD
EN 10217-1 (BS 3059 Part 1)	P195 TR1/TR2, P235 TR1/TR2, P265 TR1/TR2
EN 10217-2 (BS 3059 Part 2)	P195 GH, P235 GH, P265 GH
EN 10217-3	P355 N, P355 NH

Quality Certificates

AD-2000 WO, AD-2000 W4, PED

NDT Standards

UT (EN ISO 10893-11), ET (EN ISO 10893-2)



Tests & Certificates

- Visual and Dimensional Inspection
- Mechanical Tests:
 - Tensile Test, Flattening Test, Flaring Test
 - Expanding Test
- Metallographic Examination
- Chemical Analysis
- Hydrostatic Test
- Non Destructive Inspection:
 - In-Line Ultrasonic (weld check)
 - Eddy Current
- Mill Test Certificates
Acc. to EN 10204 2.1; 2.2; 3.1; 3.2
PED Certified-Pressure Equipment Directive 2014/68/eu Certified

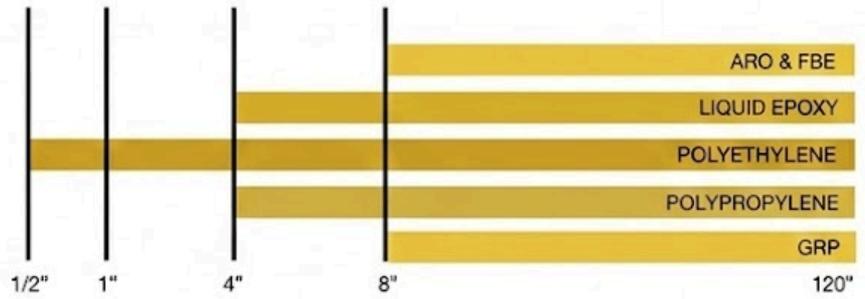
Production Range

OD mm	Wall Thickness (mm)																											
	2,0	2,3	2,7	2,7	2,9	3,0	3,4	3,6	3,8	4,0	4,2	4,5	4,7	5,0	5,2	5,4	5,5	6,0	6,5	7,0	7,5	8,0	8,5	9,0	9,5	10,0		
21,3																												
21,3-D=23																												
25,0																												
53,-0=25,0																												
25,0																												
23,0-0=26,9																												
26,9																												
25,8-0=26,0																												
26,0																												
26,9-0=28,0																												
28,0																												
30,8-D=35,0																												
30,0																												
32,8-0=33,7																												
31,7																												
38,8-D=38,0																												
36,0																												
42,4-0=45,0																												
44,0																												
45,0-D=45,3																												
46,3																												
46,3-D=11,0																												
51,8																												
51,0-0=54,0																												
51,8																												
54,0-0=57,0																												
54,0																												
54,0-0=57,0																												
65,5																												
61,3-0=65,5																												
65,5																												
83,3-0=57,0																												
65,5																												
63,5-0=67,0																												
67,0																												
87,8-0=75,0																												
76,8																												
70,0-0=75,0																												
73,5																												
73-0=76,1																												
76,1																												
76,1-0=76,1																												
82,5																												
60,8-0=52,5																												
82,5																												
82,5-0=82,0																												
82,5																												
65,8-0=85,9																												
86,0																												

COATINGS AND LININGS

Scope and Field of Application

Borusan Pipe products are manufactured with modern types of equipment, offering a wide range of anti-corrosive coatings. The below graph illustrates the type of coatings applied externally and internally according to standards and particular customer requirements.



Surface Preparation

The process enabling the appropriate surface cleanliness and smoothness level according to the type of coating is applied by blasting method. (Sa 2 1/2)
(DIN 55928, SIS 55900)

Galvanizing

Especially for water pipes, Borusan Pipe galvanizing operations are currently applied to export U.S. and many European countries. (ASTM A53, TS EN 10240)

Polyethylene - Polypropylene Coating

Excellent protection for buried pipes, high mechanical strength, and corrosion resistance.
Low, medium, or high-density polyethylene or polypropylene coating.

3 Layer Coating Method:

Layer 1: Electrostatic epoxy primer.

Layer 2: Extrusion adhesive wrapping for spiral, an electrostatic adhesive layer for ERW.

Layer 3: Extrusion polyethylene or polypropylene wrapping for spiral, hot extrusion for ERW.

For PE: EN ISO 21809-1 (DIN 30670, NF A 49-710, UNI 9099)

For PP: EN ISO 21809-1 (DIN 30678, NFA 49-711)

Flow-Coat Epoxy Lining

For gas transmission lines, in order to reduce pipe wall roughness, thus increasing throughput. Average thickness 60 µm. (API RP SL2)

Liquid Epoxy

Various epoxy coatings enable a hygienic inner surface for potable water transportation and an outer surface to resist soil or seawater corrosion. The coating thickness of up to 600 micron. (AWWA C 210, TS 5140, EN 12944-5)

FBE-Fusion Bonded Epoxy

Provides high protection of pipe lines used for oil, gas, and water transmission. (AWWA C 213, API 5L7, CSA Z 245-20, NACE RP 0394)

Abrasion Resistant Overlay ARO

Dual-layer fusion bonded epoxy provides excellent abrasion, impact resistance and also maintains excellent protection for gas-oil line pipes. (AWWA C 213, API 5L7, CSA Z 245-20, NACE RP 0394)

Glass fibre reinforced plastic (GRP) Coating

For buried and HDD line pipes, GRP coating provides excellent mechanical protection.

Tests Performed

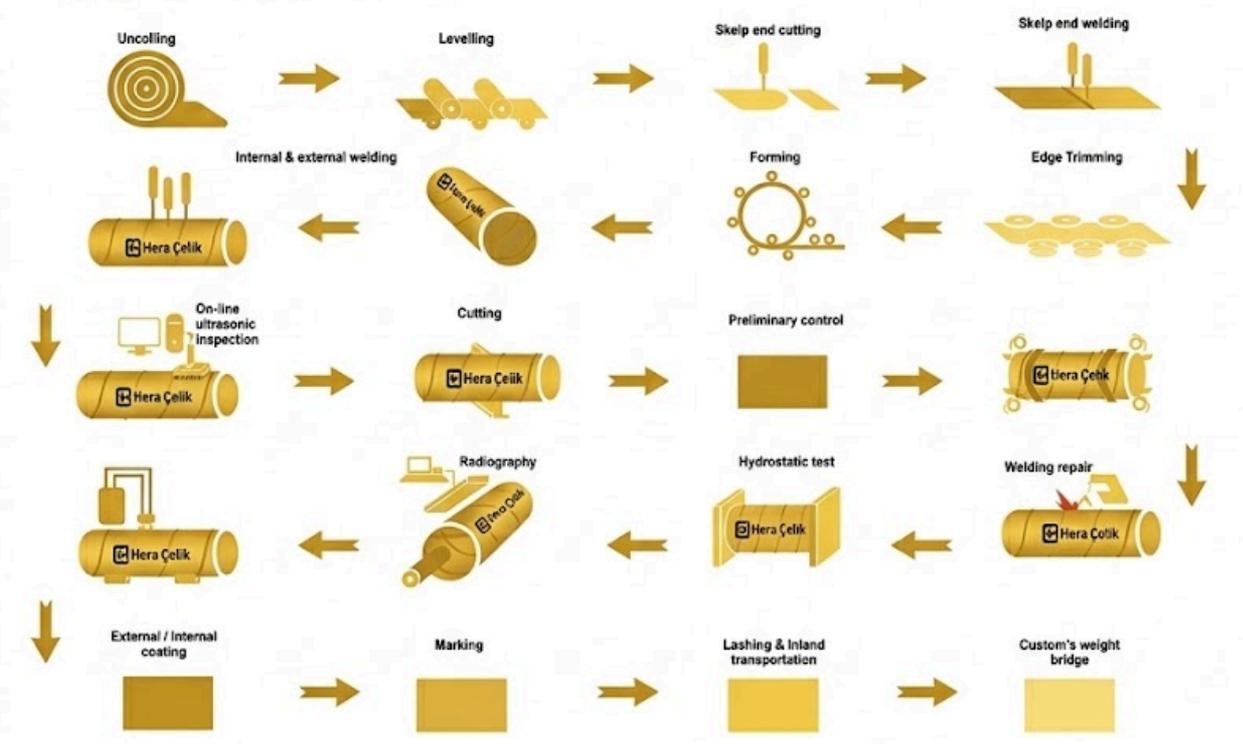
Coating Thickness	MFR and MVR Test	Cross Cut Test
Holiday Testing	CD (Cathodic Disbondment Test)	Epoxy Bend Test
Impact Strength	DSC Test (Differential Scanning Calorimetry test)	V Cut Test
Adhesion Test	Manuel Holiday	FBE Porosity Test
Indentation Strength	Wet Sponge Pinhole Test	Porosity Test
Coating Resistivity	Hot Water Immersion Test	Cross Section Porosity
Elongation Percentage at Break	Buchholz Hardness Test	Low-temperature Flexibility Test
Strain at Break Test	Shore A & Shore D Measurement	Cure & Gel Time Test
	PE/PP Breaking Elongation Test	Moisture Content Test
		FBE Particle Size Test

SPIRALLY WELDED STEEL PIPES

Spirally Welded Steel Pipes Production Process

Our spirally welded pipe production process is meticulously controlled to guarantee superior product quality and performance:

- **Coil Preparation and Slitting:** High-quality steel coils are slit into required widths with precise edge quality to ensure weld integrity.
- **Spiral Forming:** The steel strip is helically formed into pipe shape, offering a wide range of diameters and thicknesses.
- High-strength, uniform welds are created using internal and external SAW techniques.
- **Online Ultrasonic Testing:** Immediate non-destructive testing of weld seams to detect flaws.
- **Hydrostatic Testing:** Each pipe is internally pressurized to verify strength and leak integrity.
- **Beveling and End Finishing:** Pipe ends are prepared for easy joining and welding.
- **Surface Treatment and Coating (Optional):** Pipes are cleaned and coated based on application requirements.



- Water Transmission and Distribution Lines
- Oil and Gas Pipelines
- Offshore and Subsea Installations
- Piling and Structural Foundations
- Port and Marine Structures
- Industrial and Energy Infrastructure Projects

SPIRALLY WELDED STEEL PIPES

Technical Specifications

Specification Item	Available Range / Option
Outside Diameter (OD)	406 mm – 3048 mm
Wall Thickness (WT)	5 mm – 25 mm
Pipe Length	6 m – 12 m (Standard) / Custom project-specific lengths
Steel Grades	S235JR, S275JR, S355JR, API 5L Gr. B, X42, X46, X52
Manufacturing Method	Helically Submerged Arc Welded (HSAW / SSAW)
Ends	Beveled (standard) or Plain Ends (upon request)
Surface Finish	Bare, Varnished, External Coated, Internal Coated
Coating Options	3LPE, 3LPP, SFBE, DFBE, Bitumen, Concrete / Epoxy (internal)
Standard Compliance	API 5L, EN 10217-1, EN 10219, ASTM A252
Certification	EN 10204 3.1 / PED / CE



QUALITY CONTROL & TESTING

- **Hydrostatic Pressure Testing:** Pipes are filled with high-pressure water to verify structural integrity.
- **Ultrasonic Weld Seam Inspection:** Non-destructive testing of weld seams for defects.
- **Ultrasonic Weld Seam Inspection:** Non-destructive testing of weld seams for defects.
- **Ultrasonic Full Body Testing:** Complete body inspection for subsurface flaws.
- **Visual Inspection:** Surface, weld quality, and dimension inspections.
- **Dimensional Inspection:** Verification of diameter, thickness, and length according to standards.
- **Tensile Strength Testing:** Determination of mechanical properties such as yield strength and tensile strength.
- **Impact Testing (Charpy V-Notch):** Assessment of toughness under low-temperature conditions.
- **Flattening Test:** Ensures ductility and proper weld fusion by compressing pipe sections.
- **Bend Test:** Evaluation of pipe flexibility and weld ductility under stress.

CIRCULAR HOLLOW SECTIONS

Sizes

Outside Diameter	Wall Thickness	Length
21,3 mm - 339,7 mm	2,0 mm - 12,7 mm	5,00 m - 12,0 m
1/2" - 13 3/8"	0,079" - 0,500"	16,40 ft - 39,37 ft

Production Standards & Material Qualities

EN 10305-5	E 195, E 235, E 275, E 355
ASTM A 500	GR A, GR B, GR C
EN 10219 (BS 6363)	S 235, S 275, S 355, S 460 MH, NH (J0H, JRH, J2H, K2H, GR 34/26, GR 43/36)
EN 10210	S 235, S 275, S355, S460 MH, NH (J0H, JRH, J2H, K2H)



Tests & Certificates

- Visual and Dimensional Inspection
- Mechanical Tests:
 - Tensile Test
 - Flattening Test, Flaring Test
 - Expanding Test
 - Impact Test
- Metallographic Examination
- Chemical Analysis
- Non Destructive Inspection: In-Line Ultrasonic (weld check)
- In-Line and offline Eddy Current (for round tubes)
- Mill Test Certificates:
 - According to EN 10204 2.1; 2.2; 3.1; 3.2
- NDT Standards:
 - ET (ISO 10893-2)
- Quality Certificates:
 - EN 10219 - EN10210 CE marked

Finishing Operations

- Plain End-Square cut or bevelled
- Black, self-colored/uncoated
- Mill protective tub coing:
 - ET (ISO 10893-2)
- Quality Certificates:
 - EN 10219 - EN102010 CE marked

THREADED MALLEABLE IRON FITTINGS

We sell high quality malleable cast iron pipe connecting parts (fittings) that are fully in compliance with EN 10242 Design Symbol "A" standard.



Fittings are manufactured in Turkiye from black malleable cast iron, in compliance with the EN-GJMB-350-10 material standard.

THREADED MALLEABLE IRON FITTINGS



WELDED PIPE FITTINGS



STEEL QUALITIES FOR PIPE FITTING COMPONENTS

S235 - P235GH

Pipe fittings produced at Sardogan are made according to the EN 10253-1 standard of the Turkish Standards Institution (TSE), The first letter "P" indicates a quality steel grade.

Products manufactured and delivered in this grade comply with Directive AD2000-MERKBLATT W / TR100 and accordingly manufactured as pressure equipment manufacturer according to 2014/68/EU ANNEX X, SEC.4.3 PED Pressure Equipment Directive.

OTHER STEEL GRADES

P265GH - P355N

Sardogan has the manufacturing capability to produce pipe fitting components in other steel grades in accordance with technical requirements and client requests.

EN 10253-1 ELBOW

Type
1D and 3D

Wall Thickness
Welded, SCH-20-40-80

Diameter Range
DN15 - DN600

Angle
30° - 45° - 60° - 90°

EN 10253-1 REDUCER

Type
Concentric & Eccentric

Wall Thickness
Welded, SCH40

Diameter Range
DN15 - DN600

EN 10253-1 CAP

Type
Standard

Wall Thickness
SCH20-40-80

Diameter Range
DN25 - DN600

EN 10253-1 ELBOW

Type
Concentric & Eccentric

Wall Thickness
Welded, SCH40

Diameter Range
DN15 - DN600

EN 10253-1 CAP

Type
Standard

Wall Thickness
SCH20-40-80

Diameter Range
DN25 - DN600

EN 10253-1 CAP

Type
Standard

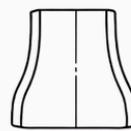
Wall Thickness
SCH20-40-80

Diameter Range
DN25 - DN600

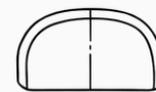
TECHNICAL DOCUMENTS FOR PIPE FITTING COMPONENTS



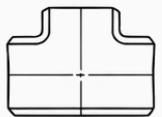
Elbow Product Form



Reducer Product Form



Cap Product Form



Tee Product Form

FLANGES



STEEL GRADES for FLANGES

S235 - P235GH - P250GH

Flanges manufactured at Sardoğan facilities are produced in accordance with TS EN 1092-1 and TS EN 1759-1 standards approved by the Turkish Standards Institute (TSE). Products manufactured from pressure-class steel grades starting with the letter "P" are compliant with AD2000-MERKBLATT W0 / TRD100 regulations and the 2014/68/EU ANNEX I, SEC. 4.3 PED (Pressure Equipment Directive).

OTHER STEEL GRADES

P265GH - P295GH - P355N

Sardoğan has the capability to manufacture flanges in different steel grades. These grades are not part of the daily routine production process. Please contact us for your specific requirements.

PRODUCT FORMS

Type: 01 || EN 1092-1 PLATE FLANGE

Working Pressure
PN 6/10/16/40

Diameter
DN15 - DN1000

Type: 05 || EN 1092-1 BLIND FLANGE

Working Pressure
PN 6/10/16/40

Diameter
DN15 - DN1000

Type: 12 || EN 1759-1 SLIP-ON FLANGE

Working Pressure
150LB/300LB

Diameter
DN15 - DN1000

Type: 11 || EN 1759-1 WELDING NECK FLANGE

Working Pressure
PN 10/16/25/40

Diameter
DN15 - DN600

Type: 13 || EN 1092-1 THREADED FLANGE

Working Pressure
PN 10/16

Diameter
DN25 - DN100

PE100 ADAPTOR FLANGE

Working Pressure
PN 10/16

Diameter
DN50 - DN630



Plate Flange



Blind Flange



Slip-on Flange



Welding Neck Flange



Threaded Flange



PE100 Adaptor Flange

FIXING SYSTEMS: CLAMPS

			
CLEVIS HANGER	U STRAP	PIPE CLAMP WITH NUT	PIPE CLAMP WITH NUT WITHOUT RUBBER
			
PIPE CLAMP WITH COMBI NUT	PIPE CLAMP WITH COMBI NUT WITHOUT RUBBER	STAINLESS STEEL (304) PIPE CLAMP WITH NUT	STAINLESS STEEL (304) PIPE CLAMP WITHOUT RUBBER
			
PIPE CLAMP WITH TRIPHONE	PIPE CLAMP WITH TRIPHONE WITHOUT RUBBER	PIPE CLAMP WITH LONG TRIPHONE	PIPE CLAMP WITH LONG TRIPHONE WITHOUT RUBBER
			
HEAVY DUTY PIPE CLAMP WITH HEAD	HEAVY DUTY PIPE CLAMP WITH HEAD WITHOUT RUBBER	HEAVY DUTY PIPE CLAMP WITH NUT	HEAVY DUTY PIPE CLAMP WITH NUT WITHOUT RUBBER
			
HEAVY DUTY PIPE CLAMP WITH MUFF	HEAVY DUTY PIPE CLAMP WITH MUFF WITHOUT RUBBER	HEAVY DUTY PIPE CLAMP WITH WIDE HEAD	SPRINKLER PIPE CLAMP
			
SPRINKLER PIPE CLAMP (LONG)	PVC PIPE CLAMP	SILENT CLAMP WITH NUT SET	SILENT CLAMP WITH TRIPHONE SET

CERTIFICATES





Explore Our Logistics Center

Step inside **our 3,500 m² facility** (Pendik District, ISTANBUL) and see where the quality happens. We take pride in our massive stock capacity, especially in our extensive range of steel pipes, ensuring we're always ready for your biggest industrial challenges. From premium steel pipes to high-quality fixing systems, everything you need is under one roof and ready for global shipment.



**But don't just take our word for it—come and see for yourself!
We'd love to host you.**

We'll treat you to a genuine **Turkish coffee**, share some local delights, and walk you through our inventory.

**YOUNG.
FERROUS.
FUTURE.**

**MODA
ÇELİK**

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START SCAN