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HERA GLOBAL STEEL

GENERAL PRODUCT CATALOGUE

START SCAN

Hera Çelik

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Hera Global Steel
About Us

Hera Global Steel is a dynamic and rapidly growing company specializing in the export of premium-quality steel products, with a particular emphasis on welded steel pipes.

We are committed to delivering reliable, cost-effective, and innovative solutions tailored to the needs of infrastructure, energy, industrial, and various other sectors around the world.

Driven by a strong focus on customer satisfaction and strict adherence to international standards, Hera Global Steel has positioned itself as a trusted and strategic partner in the global steel industry.

Vision

A trusted and preferred brand in the global steel industry, known for its customer-oriented approach, commitment to quality, and adherence to international standards.

Mission

Delivering innovative, reliable, and competitive solutions for infrastructure, energy, and industrial projects through high-quality steel products, with a strong focus on welded steel pipes.

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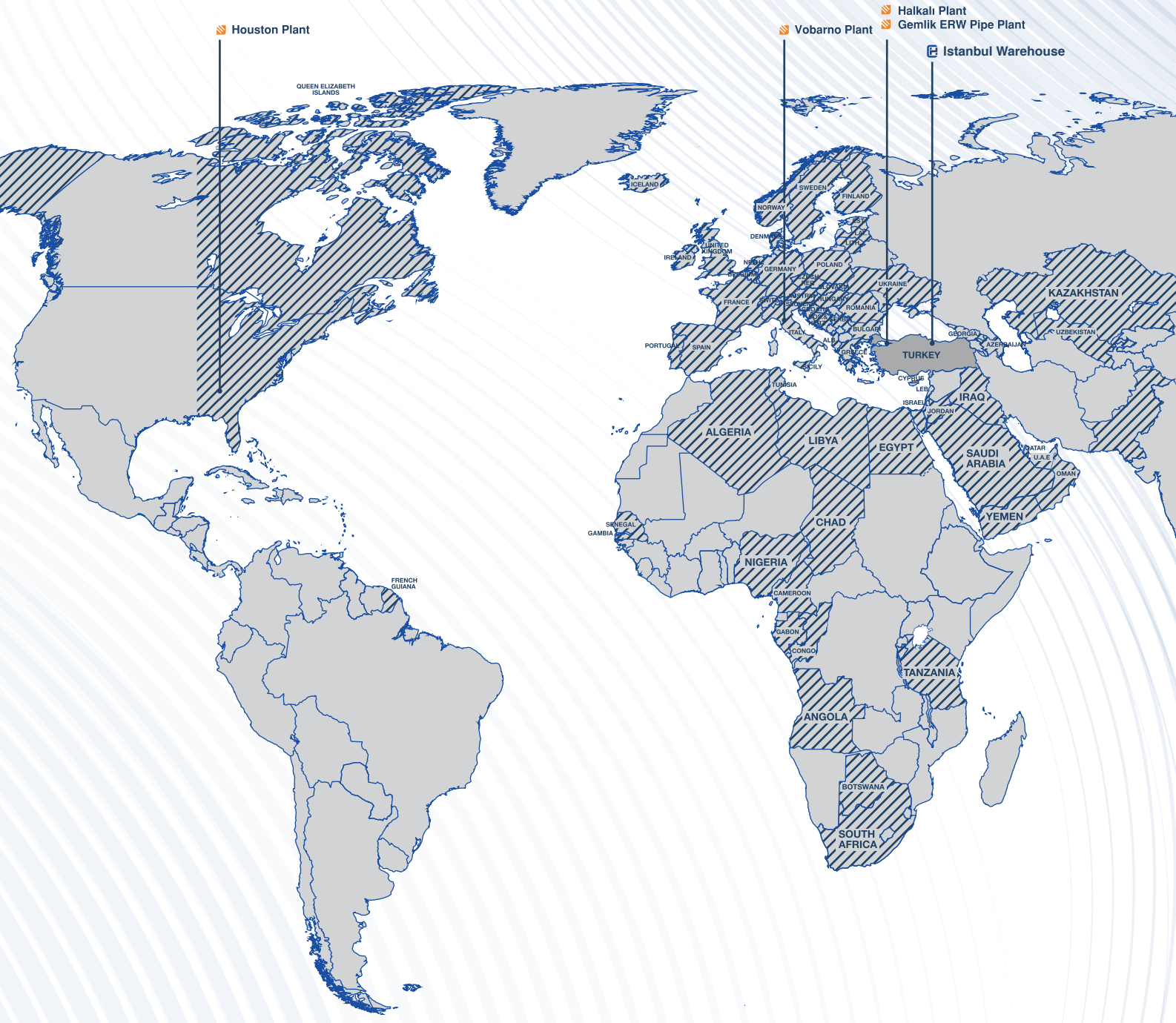
Explore Our Global Presence



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ERW WATER PIPES

Sizes

Outside Diameter	Wall Thickness	Length
21,3 mm - 339,7 mm	2,0 mm - 12,7 mm	3,00 m - 18,30 m
1/2'' - 13 3/8''	0,079'' - 0,500''	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

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Production Range (EN 10255)

Outside Diameter	Nominal Bore		Wall Thickness (mm)									
(mm)	(mm)	(inch)	2,0	2,3	2,6	2,9	3,2	3,6	4,0	4,5	5,0	5,4
21,3	15	1/2	L2	L/L1	M							
26,9	20	3/4		L2/L1/L	M							
33,7	25	1			L2	L/L1	M					
42,4	32	1 1/4			L2	L/L1	M					
48,3	40	1 1/2				L2/L/L1	M					
60,3	50	2				L2	L/L1	M				
76,1	65	2 1/2					L2/L/L1	M				
88,9	80	3					L2/L	L1	M			
114,3	100	4						L2/L	L1	M		
139,7	125	5								L	M	
165,1	150	6								L	M	

Heavy Series
M
Medium Series
L
Light Series

Unit Weights for Black Plain End Pipes						
Outside Diameter (ich)	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	1,39	1,38	1,56	1,87
1	33,70	2,20	2,20	1,98	2,41	2,93
11/4	42,40	2,82	2,82	2,54	3,10	3,79
11/2	48,30	3,25	3,24	3,23	3,56	4,37
2	60,30	4,51	4,49	4,08	5,03	6,19
21/2	76,10	5,75	5,73	5,71	6,42	7,93
3	88,90	6,76	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 weld 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	20	1.050	(26.7)	0.083	(2.11)	0.86	(1.28)	(3400)	700	(4800)
1	25	1.315	(33.4)	0.109	(2.77)	1.41	(2.09)	(3400)	700	(4800)
1 1/4	32	1.660	(42.2)	0.109	(2.77)	1.81	(2.69)	(3400)	1000	(6900)
1 1/2	40	1.900	(48.3)	0.109	(2.77)	2.09	(3.11)	(3400)	1000	(6900)
2	50	2.375	(60.3)	0.109	(2.77)	2.64	(3.93)	(3400)	1000	(6900)
2 1/2	65	2.875	(73.0)	0.120	(3.05)	3.53	(5.26)	(3400)	1000	(6900)
3	80	3.500	(88.9)	0.120	(3.05)	4.34	(6.46)	(3400)	1000	(6900)
3 1/2	90	4.000	(101.6)	0.120	(3.05)	4.98	(7.41)	(3400)	1200	(8300)
4	100	4.500	(114.3)	0.120	(3.05)	5.62	(8.37)	(3400)	1200	(8300)
5	125	5.563	(141.3)	0.134	(3.40)	7.78	(11.58)	B	1200	(8300)
6	150	6.625	(168.3)	0.134	(3.40)	9.30	(13.85)	B	1000	(6900)
8	200	8.625	(219.1)	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	15	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	(1.69)	1.13	(1.68)	(4800)	700	(4800)
1	25	1.315	(33.4)	0.133	(3.38)	1.68	(2.50)	1.68	(2.50)	(4800)	700	(4800)
1 1/4	32	1.660	(42.2)	0.140	(3.56)	2.27	(3.39)	2.28	(3.40)	(6900)	1000	(6900)
1 1/2	40	1.900	(48.3)	0.145	(3.68)	2.72	(4.05)	2.73	(4.07)	(6900)	1000	(6900)
2	50	2.375	(60.3)	0.154	(3.91)	3.66	(5.45)	3.69	(5.50)	(6900)	1000	(6900)
2 1/2	65	2.875	(73.0)	0.203	(5.16)	5.80	(8.64)	5.83	(8.68)	(6900)	1000	(6900)
3	80	3.500	(88.9)	0.216	(5.49)	7.58	(11.29)	7.62	(11.35)	(6900)	1000	(6900)
3 1/2	90	4.000	(101.6)	0.226	(5.74)	9.12	(13.58)	9.21	(13.71)	(8300)	1200	(8300)
4	100	4.500	(114.3)	0.237	(6.02)	10.80	(16.09)	10.91	(16.25)	(8300)	1200	(8300)
5	125	5.563	(141.3)	0.258	(6.55)	14.63	(21.79)	14.82	(22.07)	C	1200	(8300)
6	150	6.625	(168.3)	0.280	(7.11)	18.99	(28.29)	19.20	(28.60)	C	1200	(8300)
8	200	8.625	(219.1)	0.277A	(7.04)	24.72	(36.82)	25.57	(38.09)	C	1200	(8300)
10	250	10.750	(273.1)	0.307A	(7.80)	34.27	(51.05)	35.78	(53.29)	C	1000	(6900)

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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

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FIRE SPRINKLER 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

- 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

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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”	2,60	0.102	1,99	1,34		✓
	42,4	1 1/4”	2,00	0.079	1,99	1,34		✓
	42,4	1 1/4”	2,30	0.091	2,27	1,53		✓
	42,4	1 1/4”	2,60	0.102	2,55	1,71		✓
	48,3	1 1/2”	2,00	0.079	2,28	1,53		✓
	48,3	1 1/2”	2,60	0.102	2,93	1,97		✓
	60,3	2”	2,00	0.079	2,88	1,93		✓
	60,3	2”	2,90	0.114	4,10	2,76		✓
	76,1	2 1/2”	2,18	0.086	3,97	2,67		✓
	76,1	2 1/2”	2,90	0.114	5,23	3,52		✓
	88,9	3”	2,36	0.093	5,04	3,38		✓
	88,9	3”	3,20	0.126	6,76	4,54		✓
	114,3	4”	2,60	0.102	7,16	4,81		✓
	114,3	4”	3,60	0.142	9,83	6,60		✓
	139,7	5”	3,40	0.134	11,43	7,68		✓
SCH 7	33,4	1”	2,00	0.079	1,55	1,04	✓	✓
	42,2	1 1/4”	2,00	0.079	1,98	1,33	✓	✓
	48,3	1 1/2”	2,13	0.084	2,42	1,62	✓	✓
	60,3	2”	2,13	0.084	3,05	2,05	✓	✓
	73	2 1/2”	2,18	0.086	3,80	2,55	✓	✓
	88,9	3”	2,36	0.093	5,04	3,38	✓	✓
	114,3	4”	2,60	0.108	7,16	4,81	✓	✓
	141,3	5”	3,40	0.134	11,56	7,76	✓	
SCH 10	26,7	3/4”	2,11	0.083	1,28	0,86	✓	
	33,4	1”	2,77	0.109	2,09	1,41	✓	✓
	42,2	1 1/4”	2,77	0.109	2,69	1,81	✓	✓
	48,3	1 1/2”	2,77	0.109	3,11	2,09	✓	✓
	60,3	2”	2,77	0.109	3,93	2,64	✓	✓
	73	2 1/2”	3,05	0.120	5,26	3,53	✓	✓
	88,9	3”	3,05	0.120	6,46	4,34	✓	✓
	101,6	3 1/2”	3,05	0.120	7,41	4,98	✓	✓
	114,3	4”	3,05	0.120	8,37	5,62	✓	✓
	141,3	5”	3,4	0.134	11,58	7,78	✓	✓
	168,3	6”	3,4	0.134	13,85	9,30	✓	✓
	219,1	8”	4,78	0.188	25,26	16,96	✓	✓
	273,1	10”	4,78	0.188	31,62	21,23	✓	✓
	323,8	12”	4,78	0.188	37,61	25,28		✓
SCH 30	33,4	1”	2,90	0.114	2,18	1,46		✓
	42,2	1 1/4”	2,97	0.117	2,87	1,93		✓
	48,3	1 1/2”	3,18	0.125	3,53	2,37		✓
	60,3	2”	3,18	0.125	4,48	3,00		✓
	73	2 1/2”	4,78	0.188	8,04	5,40		✓
	88,9	3”	4,78	0.188	9,92	6,65		✓
	101,6	3 1/2”	4,78	0.188	11,41	7,65		✓
	114,3	4”	4,78	0.188	12,91	8,66		✓
	219,1	8”	7,04	0.277	36,82	24,72		✓
	273,1	10”	7,8	0.307	51,05	34,27		✓
SCH 40	21,3	1/2”	2,77	0.109	1,27	0,85	✓	✓
	26,7	3/4”	2,87	0.113	1,69	1,13	✓	✓
	33,4	1”	3,38	0.133	2,50	1,68	✓	✓
	42,2	1 1/4”	3,56	0.140	3,39	2,27	✓	✓
	48,3	1 1/2”	3,68	0.145	4,05	2,72	✓	✓
	60,3	2”	3,91	0.154	5,45	3,66	✓	✓
	73	2 1/2”	5,16	0.203	8,64	5,80	✓	✓
	88,9	3”	5,49	0.216	11,29	7,58	✓	✓
	101,6	3 1/2”	5,74	0.226	13,58	9,12	✓	✓
	114,3	4”	6,02	0.237	16,09	10,80	✓	✓
	141,3	5”	6,55	0.258	21,79	14,63	✓	✓
	168,3	6”	7,11	0.280	28,29	18,99	✓	✓
	219,1	8”	8,18	0.322	45,34	30,45	✓	✓
	273,1	10”	9,27	0.365	60,29	40,52	✓	✓
SCH 80	21,3	1/2”	3,73	0.147	1,62	1,09		✓
	26,7	3/4”	3,91	0.154	2,20	1,48		✓
	33,4	1”	4,55	0.179	3,25	2,19		✓
	42,2	1 1/4”	4,85	0.191	4,49	3,03		✓
	48,3	1 1/2”	5,08	0.200	5,39	3,65		✓
	60,3	2”	5,54	0.218	7,55	5,08		✓
	73	2 1/2”	7,01	0.276	11,52	7,75		✓
	88,9	3”	7,62	0.300	15,39	10,35		✓
	101,6	3 1/2”	8,08	0.318	18,82	12,67		✓
	114,3	4”	8,56	0.337	22,60	15,20		✓
	141,3	5”	9,52	0.375	31,42	21,04		✓
	168,3	6”	10,97	0.432	43,05	28,88		✓
	219,1	8”	12,70	0.500	65,41	44,00		✓

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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	1,99	✓	
	42,4	1 1/4’’	2,30	0.091	1,53	2,27	✓	
	42,4	1 1/4’’	2,60	0.102	1,71	2,55	✓	
	48,3	1 1/2’’	2,00	0.079	1,53	2,28	✓	
	48,3	1 1/2’’	2,60	0.102	1,97	2,93	✓	
	60,3	2’’	2,00	0.079	1,93	2,88	✓	
	60,3	2’’	2,90	0.114	2,76	4,10	✓	
	76,1	2 1/2’’	2,18	0.086	2,67	3,97	✓	
	76,1	2 1/2’’	2,90	0.114	3,52	5,23	✓	
	88,9	3”	2,36	0.093	3,38	5,04	✓	
	88,9	3”	3,20	0.126	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	✓	
	139,7	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	✓

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ERW LINE PIPES

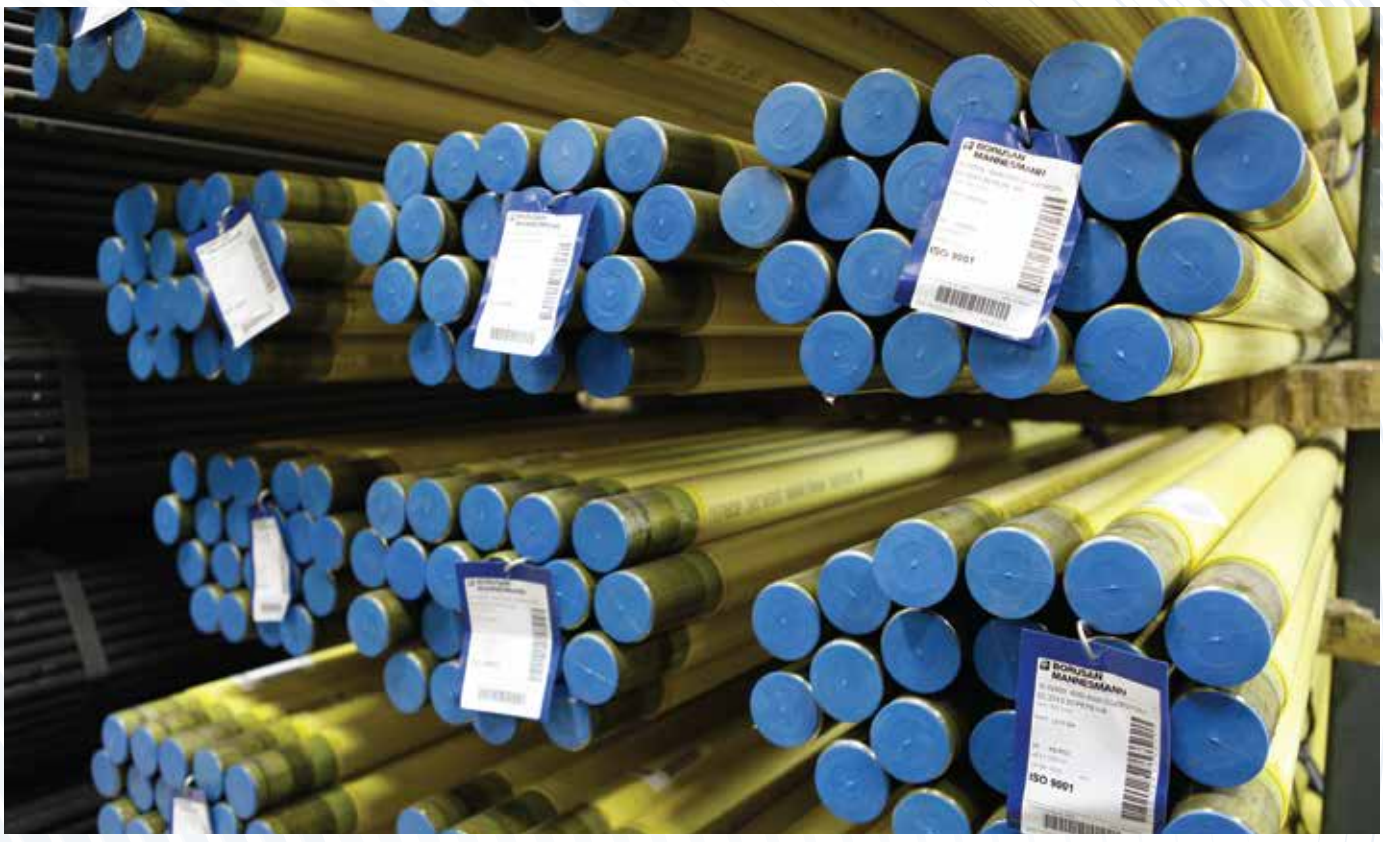
Sizes

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, X46, X52, X56, X60, X65, X70
CSA Z 245.1	Gr 241-Gr 359
EN ISO 3183	L245-L485 (N, M, NE, ME)
SI 530	Grade B



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Tests & Certificates

- Visual and Dimensional Inspection
- Mechanical Tests:
  Tensile, Flattening, Expanding, Bending
  Weld Ductility, 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
  Acc. 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 Z.245.1

Threading

114.3 mm≤OD≤323.9 mm: API 5L
(Line Pipe according to API 5B)

Finishing Operations

Plain End-Square cut or bevelled / Zaplok
Black self colored / uncoated
Mill protective coating (black varnish) on outside surface
Epoxy lining and coating (AWWA C210), API RP5L2
3 Layer PE coating (DIN 30670, ISO 21809-1)
3 Layer PP coating (DIN 30678, ISO 21809-1)

Heat Treatment

21.3 mm≤OD≤88.9 mm: full body
114.3 mm≤OD≤323.9 mm: weld seam
21.3 mm≤OD≤168,3 mm: off-line heat treatment.

Production Range

OD	Wall Thickness (mm & inch)																							
mm	mm	2,8	3,0	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	9,0	9,5	10,0	11	12	12,7
mm	inch	0.109	0.113	0.133	0.140	0.145	0.147	0.154	0.179	0.200	0.203	0.237	0.258	0.277	0.280	0.318	0.331	0.337	0.354	0.375	0.394	0.432	0.472	0.500
21,3	1/2	1,28	1,35	1,43	1,57	1,60	1,61	1,71																
26,9	3/4	1,66	1,77	1,87	2,07	2,11	2,12	2,26	2,49															
33,7	1	2,13	2,27	2,41	2,67	2,72	2,74	2,93	3,24	3,60											up to X 52			
42,4	1 1/4	2,73	2,91	3,09	3,44	3,51	3,53	3,79	4,21	4,69											up to X 60			
48,3	1 1/2	3,14	3,35	3,56	3,97	4,05	4,07	4,37	4,86	5,43											up to X 65			
60,3	2 3/8	3,97	4,24	4,51	5,03	5,14	5,16	5,55	6,19	6,94	7,07										up to X 70			
73	2 7/8	4,85	5,18	5,51	6,16	6,29	6,32	6,81	7,60	8,54	8,69	9,91	10,81	11,39										
88,9	3 1/2	5,95	6,35	6,76	7,57	7,73	7,77	8,37	9,37	10,54	10,73	12,27	13,39	14,14										
114,3	4 1/2		8,23	8,77	9,83	10,04	10,09	10,88	12,18	13,73	13,99	16,02	17,53	18,52	18,77	21,21	21,94	22,42	23,37					
141,3	5 9/16		10,23	10,90	12,22	12,49	12,55	13,54	15,18	17,13	17,45	20,02	21,92	23,18	23,50	26,61	27,53	28,14	29,36					
168,3	6 5/8			13,03	14,62	14,94	15,02	16,21	18,18	20,53	20,91	24,01	26,32	27,84	28,22	32,00	33,12	33,87	35,36	37,20				
219,1	8 5/8				19,13	19,55	19,65	21,22	23,81	26,91	27,43	31,53	34,59	36,61	37,12	42,15	43,65	44,64	46,63	49,10	51,56	56,45		
273	10 3/4							26,53	29,80	33,69	34,34	39,51	43,36	45,92	46,56	52,91	54,81	56,07	58,59	61,73	64,86	71,07		
323,9	12 3/4							31,55	35,44	40,09	40,87	47,04	51,64	54,70	55,47	63,08	65,35	66,87	69,89	73,65	77,41	84,88		
339,7	13 3/8								37,20	42,08	42,89	49,37	54,21	57,43	58,23	66,24	68,63	70,22	73,40	77,36	81,30	89,16		

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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

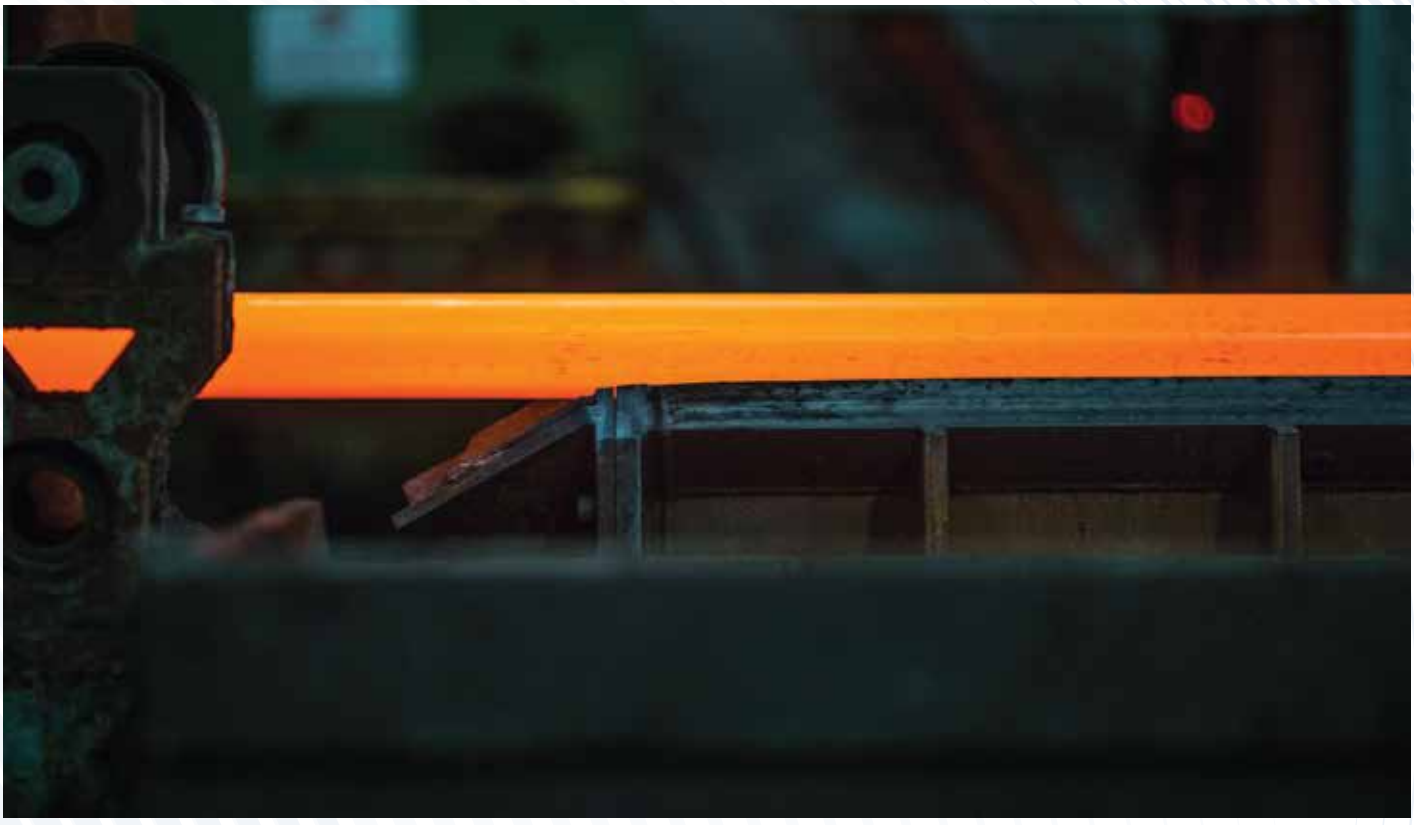
ASTM A 178	GrA, GrC, GrD
EN 10217-1 (BS 3059 Part 1)	P195 TR1/TR2, P235 TR1/TR2, P265 TR1/TR2
EN 10217-2 (BS 3059 Part 2)	P195 GH, P235 GH, P265 GH
EN 10217-3	P355 N, P355 NH

Quality Certificates

AD-2000 WO, AD-2000 W4, PED

NDT Standards

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



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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 Certifed-Pressure Equipment Directive 2014/68/eu Certified

Production Range

OD	Wall Thickness (mm)																								
mm	2,0	2,3	2,7	2,9	3,0	3,2	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
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88,9																										

Please contact our sales department for tolerances.

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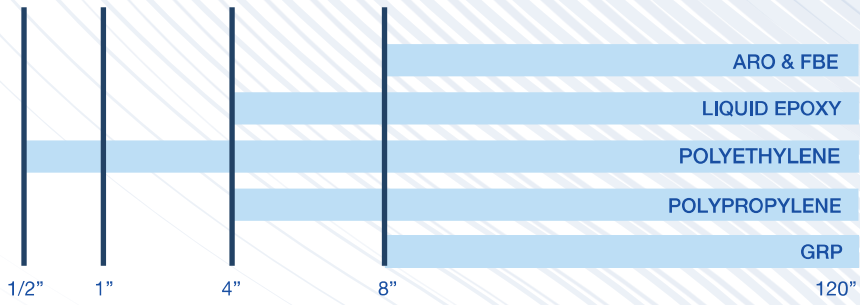
COATINGS AND LININGS

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 - Polyproplene 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)

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Flow-Coat Epoxy Lining

For gas transmission lines, in order to reduce pipe wall roughness, thus increasing throughput. Average thickness 60 µm. (API RP 5L2)

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

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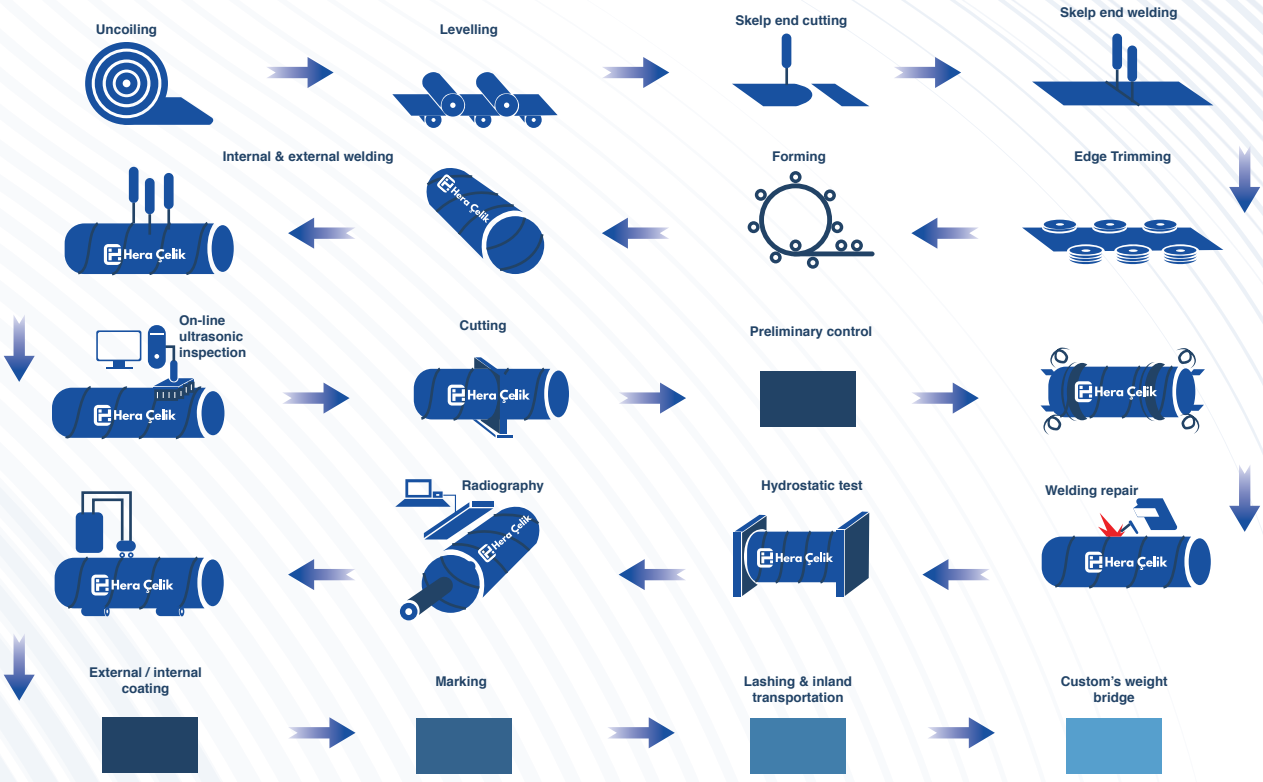
SPIRALLY WELDED STEEL PIPES

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

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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

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QUALITY CONTROL & TESTING

At Hera Global Steel, every pipe undergoes a stringent quality control process:

- **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 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.

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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)

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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 oil coating; for both round, square and rectangular tubes, black & red varnish for outside surface of round tubes.

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FOUNDATION / PILLING TUBES

Sizes

For Spirally Welded Pipes

Outside Diameter	Wall Thickness	Length
508 mm - 3.048 mm	5,16 mm - 25,4 mm	Single lengths up to 55,0 m
20'' - 120''	0,203'' - 1''	

For ERW Micro Pilling Pipes

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"	0.110'' - 0.500''	19.69 ft - 60.04 ft

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Production Standards & Material Qualities

EN 10219-1	Grade including S355 J2H, CE marking according to S355, S460 MH, S550 J2H
ASTM A252	Grade including Grade 3
Inner weld bead removed	

Coating Standards

- Dual Layer Abrasion Resistant FBE OD Coating: API 5L7, CSA Z 245-20, NACE RP 0394, AWWA C213
- FBE (Fusion Bonded Epoxy) OD Coating: API 5L7, CSA Z 245-20, NACE RP 0394, AWWA C213
- Polyethylene OD Coating: DIN 30670, TS 5139, NF A 49-710, UNI 9099, EN ISO 21809-1
- Polypropylene OD Coating: DIN 30678, NF A 49-711, EN ISO 21809-1
- Epoxy ID Coating: AWWA C 210 Dual Layer Abrasion Resistant FBE OD Coating: API 5L7, CSA Z 245-20, NACE RP 0394, AWWA C213
- FBE (Fusion Bonded Epoxy) OD Coating: API 5L7, CSA Z 245-20, NACE RP 0394, AWWA C213
- Polyethylene OD Coating: DIN 30670, TS 5139, NF A 49-710, UNI 9099, EN ISO 21809-1
- Polypropylene OD Coating: DIN 30678, NF A 49-711, EN ISO 21809-1
- Epoxy ID Coating: AWWA C 210

Protective Paint Systems

BS EN ISO 12944-5.2019
Paints and varnishes. Corrision protection of steel structures by protective paint systems.

Most Common ERW Piling Tube Sizes

Diameter (mm)	Wall Thickness (mm)	kg/meter
76,1	6,3	10,84
88,9	6,3	12,83
114,3	6,3	16,78
114,3	8	20,97
139,7	8	25,98
139,7	10	31,99
168,3	10	39,04
168,3	12,5	48,03
219,1	10	51,57
219,1	12,5	63,69
273,0	10	64,86
273,0	12,5	80,30
323,9	10	77,41
323,9	12,5	95,99

Chemical (max)	C	Mn	P	S	CEV%
S 460 MH	0,20%	1,70%	0,035%	0,03%	0,46%
S 550 J2H	0,16%	2,20%	0,03%	0,03%	0,47%

Mechanical	Yield Strenght (Mpa) min	Tensile Strength (Mpa) min	Elongation min	Impact Energy at -20°C
S 460 MH	460	530 - 720	17%	40 Joule
S 550 J2H	550	605 - 760	14%	27 Joule

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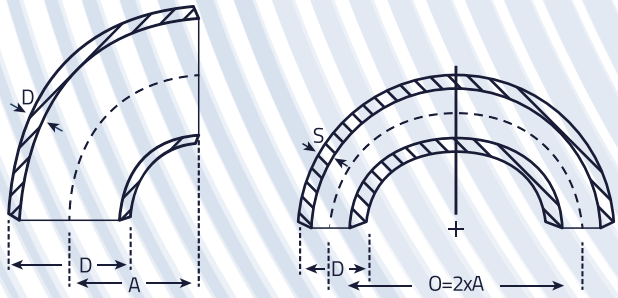

ELBOWS

TSE TSEK CE

DIN 2605 3 D
TS EN 10253-1

O.D.	WALL THICKNESS	RADIUS	APPROXIMIMATE WEIGHT 90°-ELBOW	180°-ELBOW
D mm	S mm	O mm	kg	kg
20	2	50± 5	0,04	0,08
21,3	2	55± 5	0,04	0,08
25	2	55± 5	0,05	0,10
26,9	2,3	57± 5	0,07	0,14
30	2,6	67± 5	0,09	0,18
31,8	2,6	70± 5	0,11	0,22
33,7	2,6	76± 5	0,12	0,24
38	2,6	90± 5	0,16	0,32
42,4	2,6	95± 5	0,19	0,38
44,5	2,6	102± 5	0,22	0,44
48,3	2,6	114± 6	0,27	0,54
51	2,6	127± 6	0,31	0,62
57	2,9	144± 6	0,44	0,88
60,3	2,9	152± 6	0,49	0,98
63,5	2,9	265± 6	0,57	1,14
70	2,9	184± 6	0,70	1,40
76,1	2,9	190± 6	0,79	1,58
82,5	3,2	215± 6	1,01	2,14
88,9	3,2	229± 6	1,22	2,44
101,6	3,6	267± 6	1,83	3,66
108	3,6	285± 6	2,08	4,16
114,3	3,6	305± 6	2,37	4,74
133	4	362± 6	3,64	7,28
139,7	4	381± 8	4,04	8,08
159	4,5	432± 8	5,80	11,60
168,3	4,5	457±8	6,50	13,00
193,7	5,4	540± 8	10,60	21,20
219,1	5,9	610± 8	14,90	29,80
244,5	6,3	680± 8	19,80	39,60
267	6,3	756± 8	24,10	48,20
273	6,3	762± 10	24,90	49,80
323,9	7,1	914± 10	40,00	80,00
355,6	8	1067± 20	57,20	114,40
368	8	1067± 20	59,20	118,40
406,4	8,8	1219± 20	82,20	164,40
419	10	1219±20	96,60	193,20
457,2	10	1372±30	119,00	238,00
508	11	1524±70	162,00	324,00
609,6	12,5	1800±100	261,50	523,00
622	13	1850±100	276,00	552,00
711,2	14,2	2100±100	404,00	808,00
812,8	16	2400±200	590,00	1180,00

Dimensions are in mm

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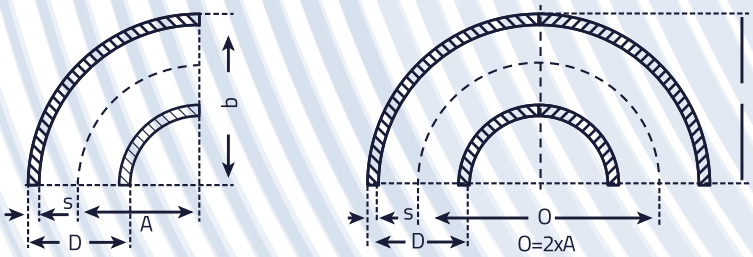

ELBOWS

TS EN 10253-1
ASME / ASTM A 234,
ANSI B16.9
SCH 40 & SCH 80
LONG RADIUS

Ø O.D. A (mm)	WALL THICKNESS ANSI B 16,9 SCH 40	TURNING DIAMETER C (mm)	TOLERANCE	ELBOW HEIGHT B (mm)	APPROXIMATE DIAMETER C (mm)	TOLERANCE	WEIGHT Kg
26,9	2,9	28,5		42	57		0,08
31,8	3,2	35	± 2,5	50,9	70	± 5	0,12
33,7	3,4	38		55	76		0,16
42,4	3,6	47,5		69	95		0,26
44,5	3,6	51	± 3	73	102	± 6	0,29
48,3	3,6	57		81	114		0,36
51	4	63,5		88	127		0,45
57	4	72		100	144		0,60
60,3	4	76		106	152		0,67
63,5	4	82,5		114	165		0,77
70	4	92		127	184		1,00
76,1	5	95		133	190		1,45
82,5	5,5	107,5		149	215		1,88
88,9	5,5	114,5		159	229		2,07
101,6	5,7	133,5		184	267		2,77
108	6	142,5		196	285		3,53
114,3	6	152,5		210	305		4,02
133	6,3	181	± 4	247	362	± 8	5,62
139,7	6,3	190,5		260	381		6,66
159	7,1	216		294	432		9,01
168,3	7,1	228,5	± 5	313	457	± 10	10,20
219,1	8,2	305		415	610		15,00
273	9,3	381	± 10	517	762	± 20	38,90
323,9	9,5	457		619	914		55,50
355,6	9,5	533,5		711	1067		71,50
406,4	9,5	609,5	± 15	813	1219	± 30	93,60
457,2	9,5	686	± 35	914	1372	± 70	-
508	9,5	762	-	1016	1524	-	-

Dimensions are in mm

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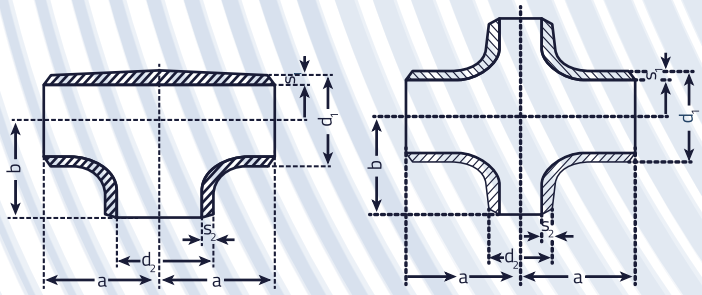

TEE

TSE TSEK CE

DIN 2615
TS EN 10253-1

NPS	D	C	M	STD	SCH x.s.	SCH x.x.s.	SCH 10	SCH 20	SCH 30	SCH 40	SCH 60	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	SCH 55	SCH 105	SCH 405	SCH 805
inch	mm	mm	mm	t (mm) WEIGHT																
1/2"	21	25	25	2,77 0,16	3,73 0,25	7,47 -	- -	- -	2,41 -	2,77 0,16	- -	3,73 0,25	- -	- -	- -	4,78 0,28	1,65 0,90	2,11 0,10	2,77 0,12	3,73 0,14
3/4"	27	29	29	2,87 0,20	3,91 0,27	7,82 0,38	- -	- -	2,41 -	2,87 0,20	- -	3,91 0,27	- -	- -	- -	5,56 0,29	1,65 0,10	2,11 0,13	2,87 0,17	3,91 0,20
1"	33	38	38	3,38 0,29	4,55 0,35	9,09 0,58	- -	- -	2,90 -	3,38 0,29	- -	4,55 0,35	- -	- -	- -	6,35 0,45	1,65 0,18	2,77 0,28	3,38 0,30	4,55 0,40
1 1/4"	42	48	48	3,56 0,53	4,85 0,65	9,70 1,05	- -	- -	2,97 -	3,56 0,53	- -	4,85 0,65	- -	- -	- -	6,35 0,77	1,65 0,35	2,77 0,50	3,56 0,60	4,85 070
1 1/2"	48	57	57	3,68 0,77	5,08 0,96	10,16 1,56	- -	- -	3,18 -	3,68 0,77	- -	5,08 0,96	- -	- -	- -	7,13 1,21	1,65 0,45	2,77 0,70	3,68 0,90	5,08 1,05
2"	60	64	64	3,91 1,88	5,54 1,90	11,07 2,69	- -	- -	3,18 -	3,91 1,88	- -	5,54 1,90	- -	- -	- -	8,74 2,25	1,65 0,55	2,77 0,85	3,91 1,30	5,54 1,60
2 1/2"	76	76	76	5,16 2,69	7,01 3,07	14,02 4,54	- -	- -	4,78 -	5,16 2,69	- -	7,01 3,07	- -	- -	- -	9,52 3,42	2,11 1,00	3,05 1,40	5,16 2,20	7,01 3,10
3"	89	86	86	5,49 3,82	7,62 4,50	15,24 7,63	- -	- -	4,78 -	5,49 3,82	- -	7,62 4,50	- -	- -	- -	11,13 6,21	2,11 1,55	3,05 1,80	5,49 3,30	7,62 4,40
3 1/2"	102	95	95	5,74 5,18	8,08 6,17	- -	- -	- -	4,78 -	5,74 5,18	- -	8,08 6,17	- -	- -	- -	- -	2,11 2,50	3,05 2,70	5,74 4,10	8,08 5,40
4"	114	105	105	6,02 6,00	8,56 8,44	17,12 17,00	- -	- -	4,78 -	6,02 6,00	- -	8,56 8,44	- -	11,13 9,00	- -	13,50 15,53	2,11 3,30	3,05 3,50	6,02 5,30	8,56 7,70
5"	140	124	124	6,55 9,94	9,52 12,94	19,05 25,00	- -	- -	- -	6,55 9,94	- -	9,52 12,94	- -	12,70 18,00	- -	15,87 23,93	2,77 5,90	3,40 6,10	6,55 9,40	9,53 11,50
6"	168	143	143	7,11 16,48	10,97 19,30	21,95 39,00	- -	- -	- -	7,11 16,48	- -	10,97 19,30	- -	14,27 24,00	- -	18,26 38,59	2,77 7,80	3,50 8,10	7,11 11,00	10,97 13,60
8"	219	178	178	8,18 33,00	12,70 34,50	22,23 69,00	- -	6,35 29,00	7,03 31,00	8,18 33,00	10,31 34,50	12,70 34,50	15,09 43,65	18,26 50,00	220,62 54,00	23,01 71,00	2,77 14,00	3,76 15,60	8,18 21,00	12,70 28,00
10"	273	216	216	9,27 49,35	12,70 58,57	25,40 98,00	- -	6,35 34,70	7,80 36,77	9,27 49,35	12,70 58,57	15,09 68,00	18,26 74,00	21,44 93,00	25,40 99,00	28,57 120,00	3,40 25,00	4,19 27,00	9,27 36,00	12,70 50,00
12"	324	254	254	9,52 65,00	12,70 84,90	25,40 150,00	- -	6,35 59,00	8,38 61,74	10,31 70,50	14,27 102,06	17,48 115,00	21,44 136,00	25,40 150,00	28,57 177,00	33,32 184,00	3,96 38,00	4,57 40,00	10,31 62,00	17,48 84,00
14"	356	279	279	9,52 93,00	12,70 127,12	- -	6,35 87,16	7,92 90,00	9,52 93,00	11,13 114,41	15,09 141,20	19,05 165,00	23,83 206,00	27,79 240,00	31,75 275,00	35,71 300,00	3,96 40,00	4,78 48,00	11,13 -	19,05 -
16"	406	305	305	9,52 115,00	12,70 167,52	- -	6,35 90,80	7,92 100,00	9,52 115,00	12,70 167,52	16,66 207,93	21,44 249,00	26,09 305,00	30,96 330,00	36,53 385,00	40,49 425,00	4,19 52,00	4,78 59,00	12,70 -	21,44 -
18"	457	343	343	9,52 135,00	12,70 190,00	- -	6,35 120,00	7,92 127,12	11,13 181,14	14,27 238,35	19,05 277,85	23,83 322,00	29,36 380,00	34,93 450,00	39,67 500,00	45,24 580,00	4,19 68,00	4,78 77,00	14,27 -	23,83 -
20"	508	381	381	9,52 168,00	12,70 245,00	- -	6,35 143,00	9,52 168,00	12,70 265,00	15,09 320,52	20,62 378,64	26,18 359,05	32,54 540,00	38,10 590,00	44,45 720,00	50,01 70,00	4,78 78,00	5,54 103,00	15,09 -	26,18 -
22"	559	419	419	9,52 200,00	12,70 280,00	- -	6,35 170,00	9,52 200,00	12,70 355,00	17,48 -	22,22 510,00	28,58 600,00	34,92 725,00	41,27 840,00	47,62 950,00	53,97 1100,00	4,78 -	5,54 -	17,48 -	28,58 -
24"	610	432	432	9,52 240,00	12,70 350,00	- -	7,92 240,00	9,52 240,00	14,27 443,55	17,48 570,68	24,61 656,48	30,96 748,00	38,89 910,00	46,02 1100,00	52,37 1180,00	59,54 1310,00	5,54 90,00	6,35 155,00	17,48 -	30,96 -
26"	660	495	495	9,52 288,00	12,70 360,50	- -	7,92 280,00	12,70 360,50	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
28"	711	521	521	9,52 337,00	12,70 421,00	- -	7,92 322,00	12,70 421,00	15,88 526,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
30"	762	559	559	9,52 388,50	12,70 483,50	- -	7,92 375,00	12,70 483,50	15,88 604,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
32"	813	597	597	9,52 451,00	12,70 559,00	- -	7,92 429,00	12,70 559,00	15,88 699,00	17,58 769,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
34"	864	635	635	9,52 516,00	12,70 645,00	- -	7,92 488,00	12,70 645,00	15,88 805,00	17,48 886,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
36"	914	673	673	9,52 587,50	12,70 731,00	- -	- -	12,70 731,00	15,88 913,00	19,05 1004,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
38"	965	711	711	9,52 638,00	12,70 812,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
40"	1016	749	749	9,52 690,00	12,70 894,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
42"	1067	762	711	9,52 831,00	12,70 1045,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
44"	1118	813	762	9,52 899,00	12,70 1194,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
46"	1168	851	800	9,52 1007,00	12,70 1346,00	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
48"	1219	889	838	9,52 1112,50	12,70 1498,50	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

Dimensions are in mm

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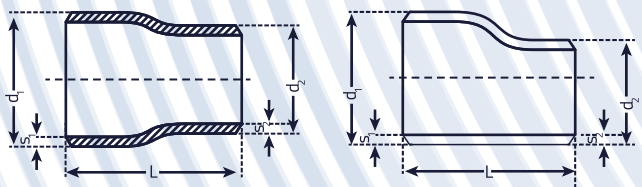
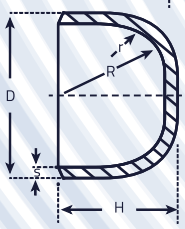
REDUCER



CAP



DIN 2616
TS EN 10253-1

DIA d¹	WALL THICKNESS s1 SCH 20	SCH 40	SCH 80	DIA d²	WALL THICKNESS s2 SCH 20	SCH 40	SCH 80	L
26,9	2,3	2,9	-	21,3 17,2	2 1,8	- -	- -	38 38
33,7	2,6	3,6	-	26,9 21,3	2,3 2	2,9 2,9	- -	50 50
42,4	2,6	3,6	-	33,7 26,9 21,3	2,6 2,3 2	3,6 2,9 2,9	- - -	50 50 50
48,3	2,6	3,6	-	42,4 33,7 26,9	2,6 2,6 2,3	3,6 3,6 2,9	- - -	64 64 64
60,3	2,9	4	5,6	48,3 42,4 33,7	2,6 2,6 2,6	3,6 3,6 3,6	5,6	76 76 76
76,1	2,9	5,6	7,1	60,3 48,3 42,4	2,9 2,6 2,6	4 3,6 3,6	5,6	90 90 90
88,9	3,2	5,6	8	76,1 60,3 48,3	2,9 2,9 2,6	5,6 4 3,6	7,1 5,6	90 90 90
114,3	3,6	6,3	8,8	88,9 76,1 60,3	3,2 2,9 2,9	5,6 5,6 4	8 7,1 5,6	100 100 100
139,7	4	7,1	10	114,3 88,9 76,1	3,6 2,9 2,9	6,3 5,6 5,6	8,8 8 7,1	127 127 127
168,3	4,5	7,1	11	139,7 114,3 88,9	4 3,6 3,2	7,1 6,3 5,6	10 8,8 8	140 140 140
219,1	5,9	8	12,5	168,3 139,7 114,3	4,5 4 3,6	7,1 7,1 6,3	11 10 8,8	152 152 152
273	6,3	10	12,5	219,1 168,3 139,7	5,9 4,5 4	8 7,1 7,1	12,5 11 10	178 178 178
323,9	7,1	10	12,5	273 219,1 168,3	6,3 5,9 4,6	10 8 7,1	10 8 7,1	200 200 200

DIN 2617
TS EN 10253-1

O.D. D mm	WALL THICKNESS S SCH 20 mm	SCH 40 mm	SCH 80 mm	Length H ca.mm	APPROX. WEIGHT SCH 20 mm	SCH 40 mm	SCH 80 mm
21,3	2	2,9	3,6	32	0,02	0,03	0,04
26,9	2,3	2,9	4	32	0,04	0,05	0,07
30	2,6	3,6	4,5	38	0,07	0,09	0,12
33,7	2,6	3,6	4,5	38	0,07	0,09	0,13
38	2,6	3,6	4,8	38	0,10	0,14	0,16
42,4	2,6	3,6	4,8	38	0,11	0,15	0,18
44,5	2,6	3,6	5,1	38	0,13	0,18	0,20
48,3	2,6	3,6	5,1	38	0,14	0,19	0,22
57	2,9	4	5,6	38	0,25	0,31	0,44
60,3	2,9	4	5,6	38	0,26	0,32	0,45
76,1	2,9	5,6	7,1	38	0,34	0,52	0,68
88,9	3,2	5,6	8	50	0,50	0,76	1,26
101,6	3,6	6,3	8,8	60	0,94	1,32	1,87
108	3,6	6,3	8,8	64	0,96	1,34	1,91
114,3	3,6	6,3	8,8	64	1,07	1,49	2,13
133	4	7,1	10	76	1,40	2,25	3,10
139,7	4	7,1	10	76	1,55	2,50	3,45
159	4,5	7,1	11	90	2,40	3,20	4,75
168,3	4,5	7,1	11	90	2,65	3,55	5,30
219,1	5,9	8	12,5	100	5,20	6,70	10,35
267	6,3	10	12,5	127	7,75	9,70	13,55
273	6,3	10	12,5	127	8,10	10,10	14,15
323,9	7,1	11	12,5	152	11,75	16,15	17,80

Dimensions are in mm

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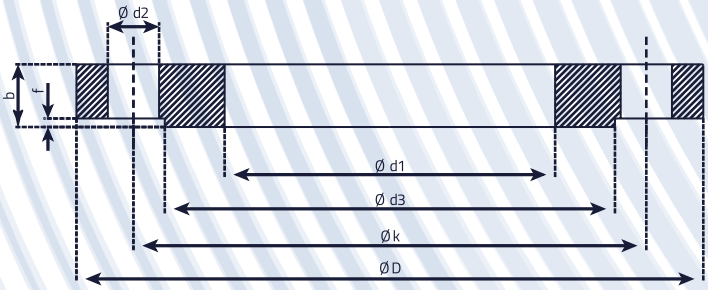

FLAT FLANGE

EN1092-1
DIN2501
ISO7005-1

SIZE	PIPE DIA	FLANGE DIMENSIONS								BOLT DIMENSIONS			WEIGHT		
		d1	d2	K	b EN 1092-1	b DIN 2501	b ISO 7005-1	d3	f	d2	Bolt Dia	n	EN 1092-1 kg/pcs	DIN 2501 kg/pcs	ISO 7005-1 kg/pcs
DN15	21,3	22	95	65	14	14	14	45	2	14	M12	4	0,6	0,6	0,6
DN20	26,9	27,6	105	75	16	16	16	58	2	14	M12	4	0,9	0,9	0,9
DN25	33,7	34,4	115	85	16	16	16	68	2	14	M12	4	1,0	1,0	1,0
DN32	42,4	43,1	140	100	18	16	18	78	2	18	M16	4	1,7	1,5	1,7
DN40	48,3	49	150	110	18	16	18	88	3	18	M16	4	1,8	1,6	1,8
DN50	60,3	61,1	165	125	20	18	20	102	3	18	M16	4	2,5	2,2	2,5
DN65	76,1	77,1	185	145	20	18	20	122	3	18	M16	8	2,9	2,5	2,9
DN80	88,9	90,3	200	160	20	20	20	138	3	18	M16	8	3,3	3,3	3,3
DN100	114,3	115,9	220	180	22	20	22	158	3	18	M16	8	4,0	3,6	4,0
DN125	139,7	141,6	250	210	22	22	22	188	3	18	M16	8	5,0	5,0	5,0
DN150	168,3	170,5	285	240	24	22	24	212	3	22	M20	8	6,5	6,0	6,5
DN200	219,1	221,5	340	295	26	24	26	268	3	22	M20	12	9,0	8,3	9,0
DN250	273,0	276,2	405	355	29	26	28	320	3	26	M24	12	13,3	11,8	12,8
DN300	323,9	327,6	460	410	32	28	32	378	4	26	M24	12	17,5	15,1	17,5
DN350	355,6	359,7	520	470	35	30	35	438	4	26	M24	16	26,4	22,4	26,4
DN400	406,4	411	580	525	38	32	38	490	4	30	M27	16	33,9	28,2	33,9
DN450	457	462,3	640	585	42	32	42	550	4	30	M27	20	43,9	32,9	43,9
DN500	508	513,6	715	650	46	34	46	610	4	33	M30	20	61,2	44,4	61,2
DN600	610	616,5	840	770	55	36	52	725	5	36	M33	20	96,9	61,8	91,4
DN700	711	718	910	840	63	36	60	795	5	36	M33	24	104,3	57,4	99,1
DN800	813	819	1025	950	74	38	68	900	5	39	M36	24	150,5	74,2	137,8
DN900	914	920	1125	1050	82	40	76	1000	5	39	M36	28	183,7	86,1	169,7
DN1000	1016	1022	1255	1170	90	42	84	1115	5	42	M39	28	258,5	116,0	240,7
DN1100	1116	1122	1355	1270	c	44	90	1218	5	43	M40	32	-	131,6	278,6
DN1200	1220	1226	1485	1390	c	48	98	1330	5	48	M45	32	-	174,9	368,8
DN1300	1320	1326	1585	1490	c	50	-	1438	5	48	M45	36	-	195,9	-
DN1400	1420	1426	1685	1590	c	52	-	1530	5	48	M45	36	-	219,1	-
DN1500	1524	1530	1820	1710	c	54	-	1640	5	56	M52	40	-	266,6	-
DN1600	1620	1626	1930	1820	c	58	-	1750	5	56	M52	40	-	325,4	-
DN1800	1820	1826	2130	2020	c	62	-	1950	5	56	M52	44	-	388,9	-
DN2000	2020	2026	2345	2230	c	66	-	2150	5	62	M58	48	-	471,3	-

"c" dimension is specified by customer.

Dimensions are in mm

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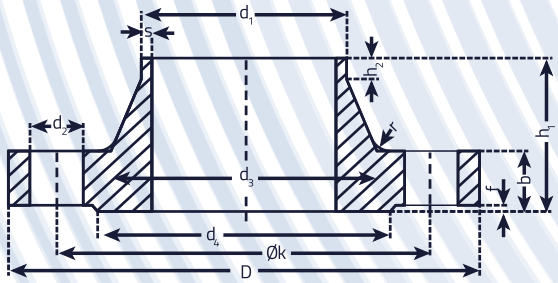

WELDING NECK FLANGE

Nominal Pressure
PN: 16 kgf / cm²
DIN 2633

PIPE			FLANGE			NECK				RAISED FACE		BOLTS			WEIGHT (7,85 kg/dm³)
d	d_1	D	b	k	h_1	h_3	s	r	h_2	d_4	1	Delik Hole	Vida Screw	d_2	kg
10	14 17,2	90	14	60	35	25 28	18	4	6	40	2	4	M 12	14	0,580
15	20 21,3	95	14	65	35	30 32	2	4	6	45	2	4	M 12	14	0,648
20	25 26,9	105	16	75	38	38 40	23	4	6	58	2	4	M 12	14	0,952
25	30 33,7	115	16	85	38	42 45	26	4	6	68	2	4	M 12	14	1,14
32	38 42,4	140	16	100	40	52 56	26	6	6	78	2	4	M 16	18	1,69
40	44,5 48,3	150	16	110	42	60 64	26	6	7	88	5	4	M 16	18	1,86
50	57 60,3	165	18	125	45	72 75	29	6	8	102	3	4	M 16	18	2,53
65 80	76,1 88,9	185 200	18 20	145 160	45 50	90 105	2,9 3,2	6 8	10 10	102 138	3 3	4 8	M 16 M 16	18 18	3,06 3,70
100	108 114,3	220	20	180	52	125 131	36	8	12	158	3	8	M 16	18	4,62
125	133 139,7	250	22	210	55	150 156	4	8	12	188	3	8	M 16	18	6,30
150	159 168,3	285	22	240	55	175 184	45	10	12	212	3	8	M 20	22	7,75
175	191 193,7	315	24	270	60	208 210	54	10	12	242	3	8	M 20	22	10,0
200	216 219,1	340	24	295	62	232 235	59	10	16	268	3	12	M 20	22	11,0
250	267 273	405	26	355	70	285 292	63	12	16	320	3	12	M 24	26	15,06
300	318 323,9	460	28	410	78	338 344	71	12	18	378	4	12	M 24	26	22,0
350	355,6 368	520	30	470	82	390	8	12	16	438	4	16	M 24	26	28,07
400	406 419	580	32	525	85	445	8	12	16	490	4	16	M 27	30	36,03
500	508 521	715	34	650	90	548	8	12	16	610	4	20	M 30	33	59,03
600	609,6 622	840	36	770	95	652	88	12	18	725	5	20	M 33	36	73,04
700	711,2 720	910	36	840	100	755	88	12	18	795	5	24	M 33	36	75,0
800	812,8 820	1025	38	950	105	855	10	12	20	900	5	24	M 36	39	99,0
900	914,4 920	1125	40	1050	110	955	10	12	20	1000	5	28	M 36	39	119,0
1000	1016 1020	1255	42	1170	120	1058	10	16	22	1115	5	28	M 39	42	159,0

Dimensions are in mm

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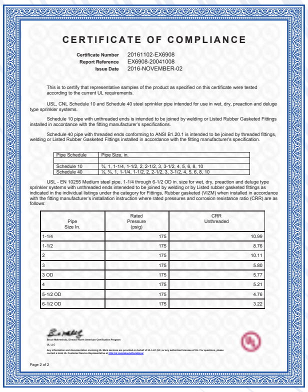
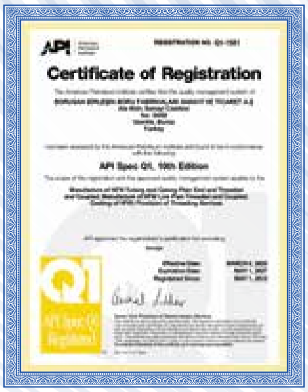
CERTIFICATES


CERTIFICATE OF COMPLIANCE


CERTIFICATE OF COMPLIANCE


Dedal

CERTIFICATE


API

Certificate of Registration

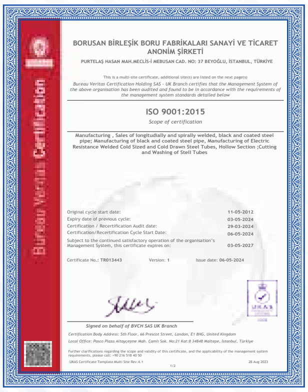

SERTİFİKA


SERTİFİKA


Material Manufacturer Certificate

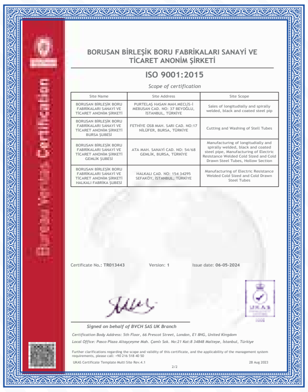

Dedal

CERTIFICATE


BORUSAN BİRLEŞİK BORU FABRİKALARI SANAYİ VE TİCARET ANONİM ŞİRKETİ

ISO 9001:2015

Bureau Veritas Certification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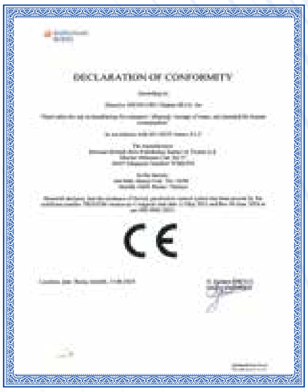
ISO 9001:2015

Bureau Veritas Certification

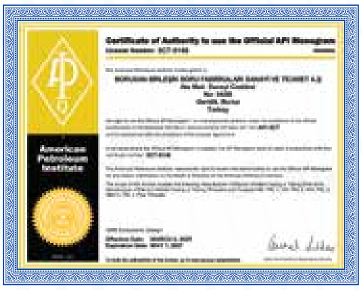

Material Manufacturer Certificate


DECLARATION OF CONFORMITY

CE


FM APPROVED

Certificate of Compliance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