



### Plant Address |

Survey No 2154/2155,  
Ahmedabad - Rajkot Highway (NH47) Near Hotel Orizon,  
At: Panshina, Taluka: Limbdi, Dist.: Surendranagar,  
Gujarat, India-363423



## Our story |

Ahmedabad Seamless Tubes LLP is a rapidly growing manufacturer of high-quality seamless tubes and forged fittings. We are committed to provide comprehensive piping and tubing solutions, offering reliable seamless pipes in both standard and custom sizes tailored to our customers' needs, along with industry-leading services.

We manufacture seamless pipes & tubes utilizing diverse steel grades, including carbon steel, alloy steel, and stainless steel. Our product range adheres to ASTM/ASME standard sizes, ranging from 19mm to 114mm, and we're also capable of producing custom sizes as per customer specifications. Our pipes & tubes serve a wide array of applications, including oil and gas, automotive, Hydraulic and pneumatic tubing's, Agro Industry, construction and many more general engineering applications.



# Infrastructure |

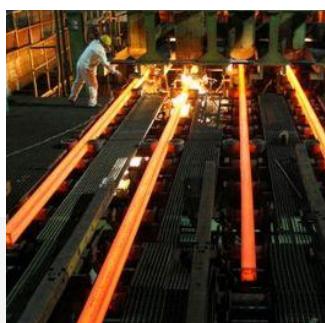
Our manufacturing facility spans over 2,30,000 square feet campus, with manufacturing space of more than 52000 sq feet and a dedicated space exceeding 3000 square feet for in-house quality inspections. Located along one of Gujarat's fastest-growing trade corridors, our facility is equipped with state-of-the-art machinery, ensuring the production of precision-engineered seamless pipes of the highest quality. From production planning to dispatch, every step of the manufacturing process is executed with the utmost precision.



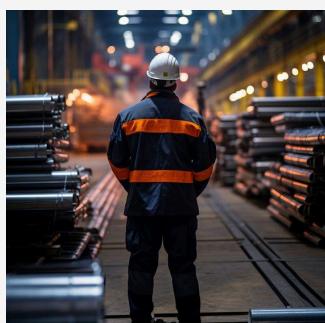
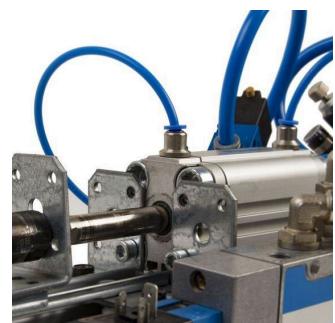
**RELIABLE**



**EXCELLENCE**



**QUALITY**

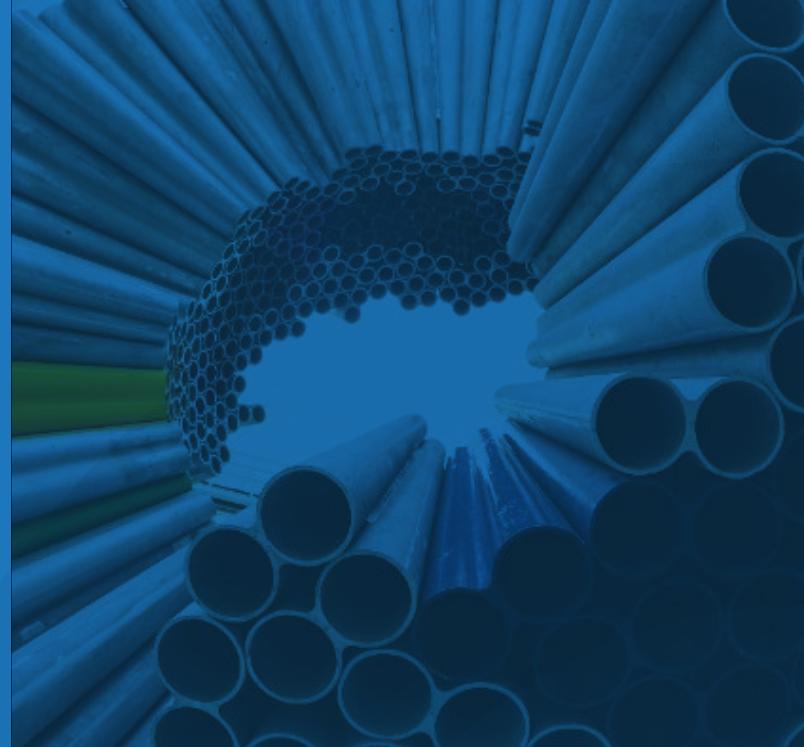


**CRAFTSMANSHIP**



# | Our Vision |

“Empowering World with High Quality, Reliable and Sustainable Piping Solutions”



# | Our Values |

## | Our Mission |

- Produce top-quality seamless pipes tailored to precise standards.
- Prioritize customer satisfaction and needs.
- Foster a safe, collaborative, and responsible workplace.
- Strive to make a positive impact on society through our operations.

### — Reliability:

Consistently deliver on time, maintain transparency, and build lasting client relationships.

### — Quality:

Committed to producing seamless pipes meeting the highest standards for durability and safety

### — Innovation:

Continuously explore new techniques to enhance pipe sustainability and tailor to customer needs



# Our Presence |

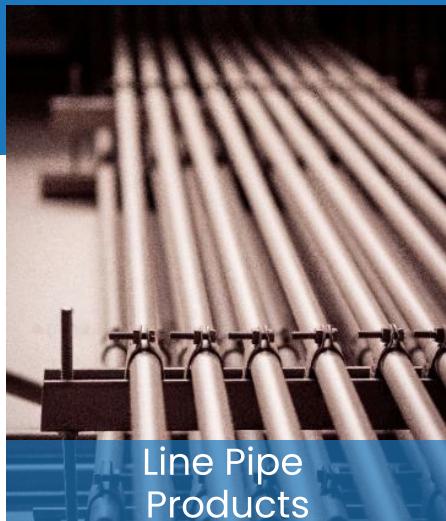


# Products |

We offer seamless pipes and tubing as well as forged fittings in various forms to best meet our customer requirement while adhering to industry wide accepted standards as well as custom sizes.

- \_\_\_\_ Hot Finish Seamless Pipes and Tubing's.
- \_\_\_\_ Cold Drawn Seamless Precision Tubing's.
- \_\_\_\_ Pierced Hollow sections.
- \_\_\_\_ Forged fittings and Flanges.

**Our products are used in “Various Engineering Applications”**



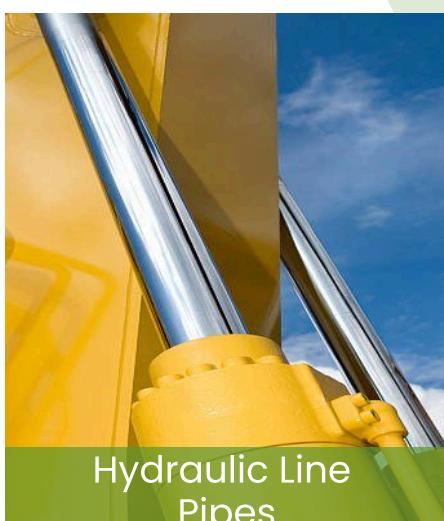
Line Pipe Products



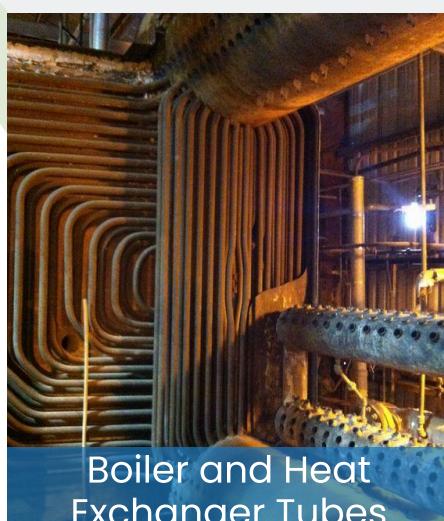
Automotive Industry Products



Agro Industry Products



Hydraulic Line Pipes



Boiler and Heat Exchanger Tubes





## Specifications and Grades |



Carbon steel

ASTM A/ ASME SA 53 GR A, B

ASTM A/ ASME SA 106 GR A, B, C

ASTM A/ ASME SA 333 & 334 GR 1, 6

API 5L - PSL GR A, B, X42, X46, X52, X56, X60, X65, X70

API 5L - PSL 2 GR B, X42, X46, X53, X56, X60, X65, X7

ASTM A/ ASME SA 179

ASTM A/ ASME SA 192

ASTM A/ ASME SA 210 GR 1, C

BS 3059 PART II GR 360, 440, 620

DIN 2391 ST 35, ST 37, 4, ST 45, ST 52



Alloy Steel

ASTM A/ ASME SA 335 P1, P2, P5, P9, P11, P12, P22, P23, P91, P92

ASTM A/ ASME SA 213 T5, T9, T11, T12, T22, T23, T91, T92

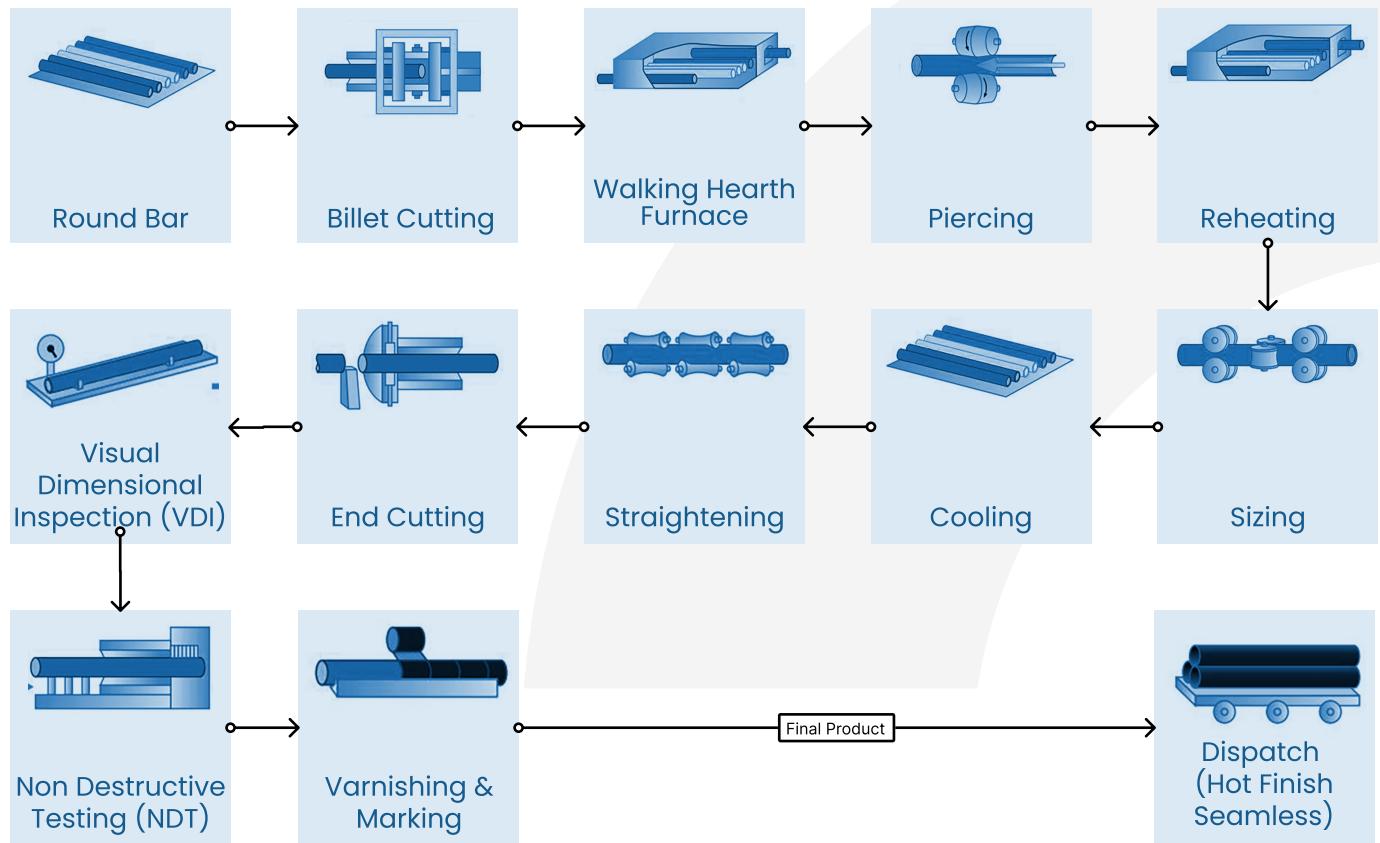
### Size Range

- Hot Finish Seamless Tubes : OD 33.4 up to 114 mm in required Thickness.
- Cold Finish Seamless Tubes : OD 19mm up to 90 mm in required Thickness.

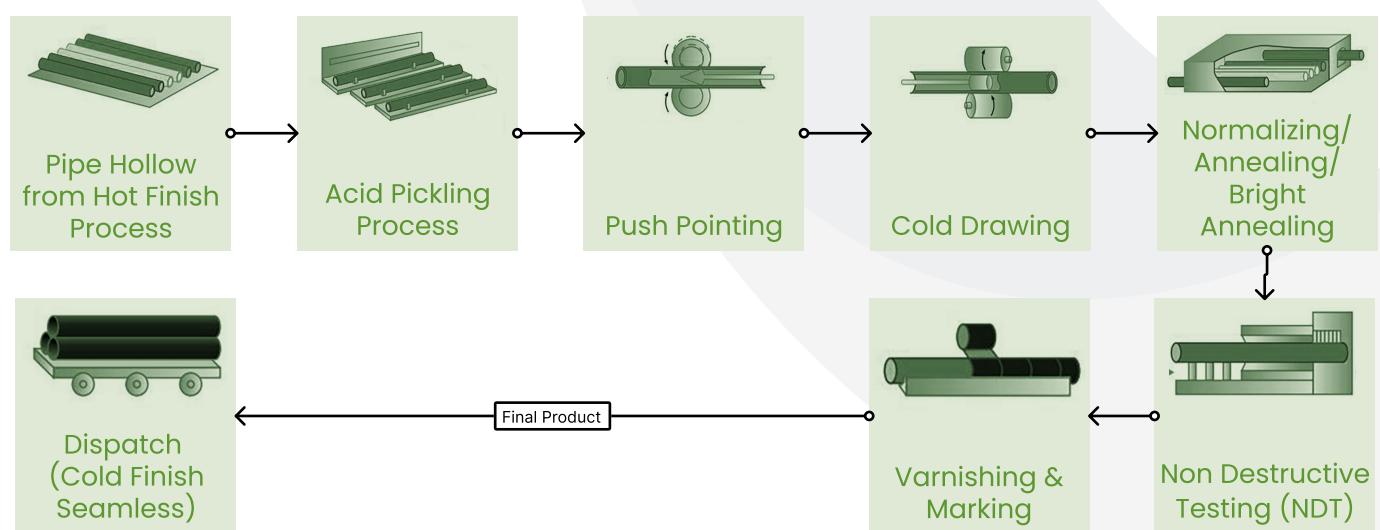


# Manufacturing Process |

## Hot Finish Seamless Pipe Production



## Cold Drawn Seamless Pipe/Tube Production



# Quality Process & Certifications |

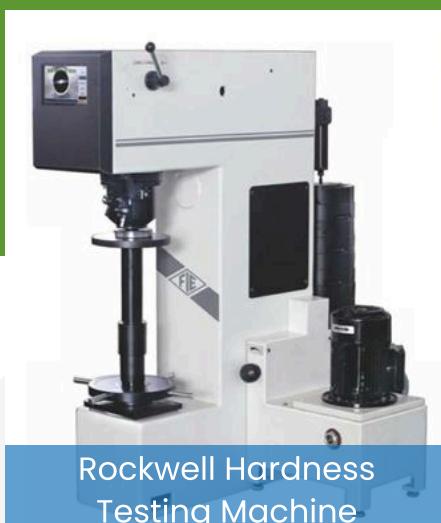
At Ahmedabad Seamless Tubes LLP, we are devoted to upholding exceptional quality standards. Our products undergo meticulous testing throughout the entire production process, beginning from raw materials and continuing through intermediate and NDT testing on the finished pipes. Our fully equipped testing laboratory includes a Spectrometer, Universal Testing Machine, hardness tester, Hydro testing machine, and flaw detection equipment.



Universal Tensile Machine



Hydrostatic Testing Machine



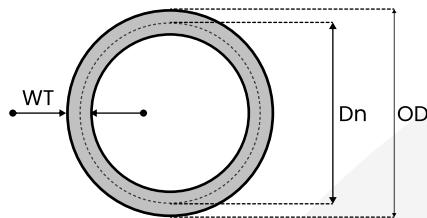
Rockwell Hardness Testing Machine



Spectrometer Machine



# ASTM Schedule Sizes and Weights



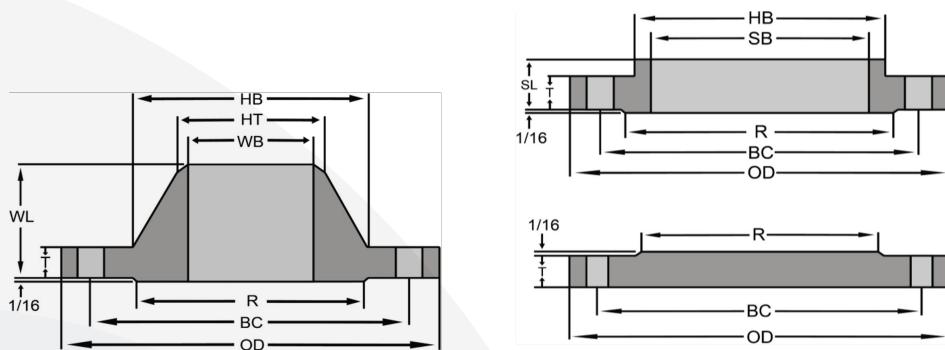
ASTM Schedule Sizes and weights								
Nominal Pipe Size (Dn) mm/inch	Outer Diameter (OD) mm	Schedule Wall Thickness (in mm) (WT)						
		Sch 10	Sch 30	STD	Sch 40	XS	Sch 80	Sch 160
8	13.70	1.65	1.85	2.24	2.24	3.02	3.02	
		0.490	0.540	0.630	0.630	0.800	0.800	
10	17.10	1.65	1.85	2.31	2.31	3.20	3.20	
		0.630	0.700	0.840	0.840	1.100	1.100	
15	21.30	2.11	2.41	2.77	2.77	3.73	3.73	4.78
		1.000	1.120	1.270	1.270	1.620	1.620	1.950
20	26.70	2.11	2.41	2.87	2.87	3.91	3.91	5.56
		1.280	1.440	1.690	1.690	2.200	2.200	2.900
25	33.40	2.77	2.9	3.38	3.38	4.55	4.55	6.35
		2.090	2.180	2.500	2.500	3.240	3.240	4.240
32	42.20	2.77	2.97	3.56	3.56	4.85	4.85	6.35
		2.690	2.870	3.390	3.390	4.470	4.470	5.610
40	48.30	2.77	3.18	3.68	3.68	5.08	5.08	7.14
		3.110	3.530	4.050	4.050	5.410	5.410	7.250
50	60.30	2.77	3.18	3.91	3.91	5.54	5.54	8.74
		3.930	4.480	5.440	5.440	7.480	7.480	11.110
65	73.00	3.05	4.78	5.16	5.16	7.01	7.01	9.53
		5.260	8.040	8.630	8.630	11.410	11.410	14.920
80	88.90	3.05	4.78	5.49	5.49	7.62	7.62	11.13
		6.460	9.920	11.290	11.290	15.270	15.270	21.350
90	101.60	3.05	4.78	5.74	5.74	8.08	8.08	
		7.410	11.410	13.570	13.570	18.630	18.630	
100	114.30	3.05	4.78	6.02	6.02	8.56	8.56	13.49
		8.370	12.910	16.070	16.070	22.320	22.320	33.540
								41.030

Note: Weights are specified for Plain End Pipes in Kg/m for reference Actual weight may differ.

**Note:** Weights for Plain End Pipes are in Kg/m for reference. Actual weight may vary.



# ANSI/ASME B16.5 Forged Flanges Standards



ANSI/ASME B16.5 Class 150 Forged Flanges

Nominal Size	Outside Diameter (OD)	Min. Thickness (T)	RF Dia. (R)	No. of Bolt Holes	Diameter of Holes	Bolt Circle (BC)	SO Bore ID (SB)	WN Bore ID (WB)	Dia. Hub Base (HB)	Dia. Hub Top (HT)	SO LTH (SL)	WN LTH (WL)
1/2	3.5	0.38	1.38	4	0.62	2.38	0.88	0.62	1.19	0.84	0.56	1.81
3/4	3.88	0.44	1.69	4	0.62	2.75	1.09	0.82	1.5	1.05	0.56	2
1	4.25	0.5	2	4	0.62	3.12	1.36	1.05	1.94	1.32	0.62	2.12
1 1/4	4.62	0.56	2.5	4	0.62	3.5	1.7	1.38	2.31	1.66	0.75	2.19
1 1/2	5	0.62	2.88	4	0.62	3.88	1.95	1.61	2.56	1.9	0.81	2.38
2	6	0.69	3.62	4	0.75	4.75	2.44	2.07	3.06	2.38	0.94	2.44
2 1/2	7	0.81	4.12	4	0.75	5.5	2.94	2.47	3.56	2.88	1.06	2.69
3	7.5	0.88	5	4	0.75	6	3.57	3.07	4.25	3.5	1.12	2.69
3 1/2	8.5	0.88	5.5	8	0.75	7	4.07	3.55	4.81	4	1.19	2.75
4	9	0.88	6.19	8	0.75	7.5	4.57	4.03	5.31	4.5	1.25	2.94

ANSI/ASME B16.5 Class 300 Forged Flanges

Nominal size	Outside Diameter (OD)	Min. Thickness (T)	RF Dia. (R)	No. of Bolt Holes	Diameter of Holes	Bolt Circle (BC)	SO Bore ID (SB)	WN Bore ID (WB)	Dia. Hub Base (HB)	Dia. Hub Top (HT)	SO LTH (SL)	WN LTH (WL)
1/2	3.75	0.5	1.38	4	0.63	2.62	0.88	0.62	1.5	0.84	0.81	2
3/4	4.62	0.56	1.69	4	0.75	3.25	1.09	0.82	1.88	1.05	0.94	2.19
1	4.88	0.62	2	4	0.75	3.5	1.36	1.05	2.12	1.32	1	2.38
1 1/4	5.25	0.69	2.5	4	0.75	3.88	1.7	1.38	2.5	1.66	1	2.5
1 1/2	6.12	0.75	2.88	4	0.88	4.5	1.95	1.61	2.75	1.9	1.13	2.63
2	6.5	0.81	3.62	8	0.75	5	2.44	2.07	3.31	2.38	1.25	2.69
2 1/2	7.5	0.94	4.12	8	0.88	5.88	2.94	2.47	3.94	2.88	1.44	2.94
3	8.25	1.06	5	8	0.88	6.62	3.57	3.07	4.62	3.5	1.63	3.06
3 1/2	9	1.12	5.5	8	0.88	7.25	4.07	3.55	5.25	4	1.69	3.13
4	10	1.19	6.19	8	0.88	7.88	4.57	4.03	5.75	4.5	1.82	3.32

ANSI/ASME B16.5 Class 600 Forged Flanges

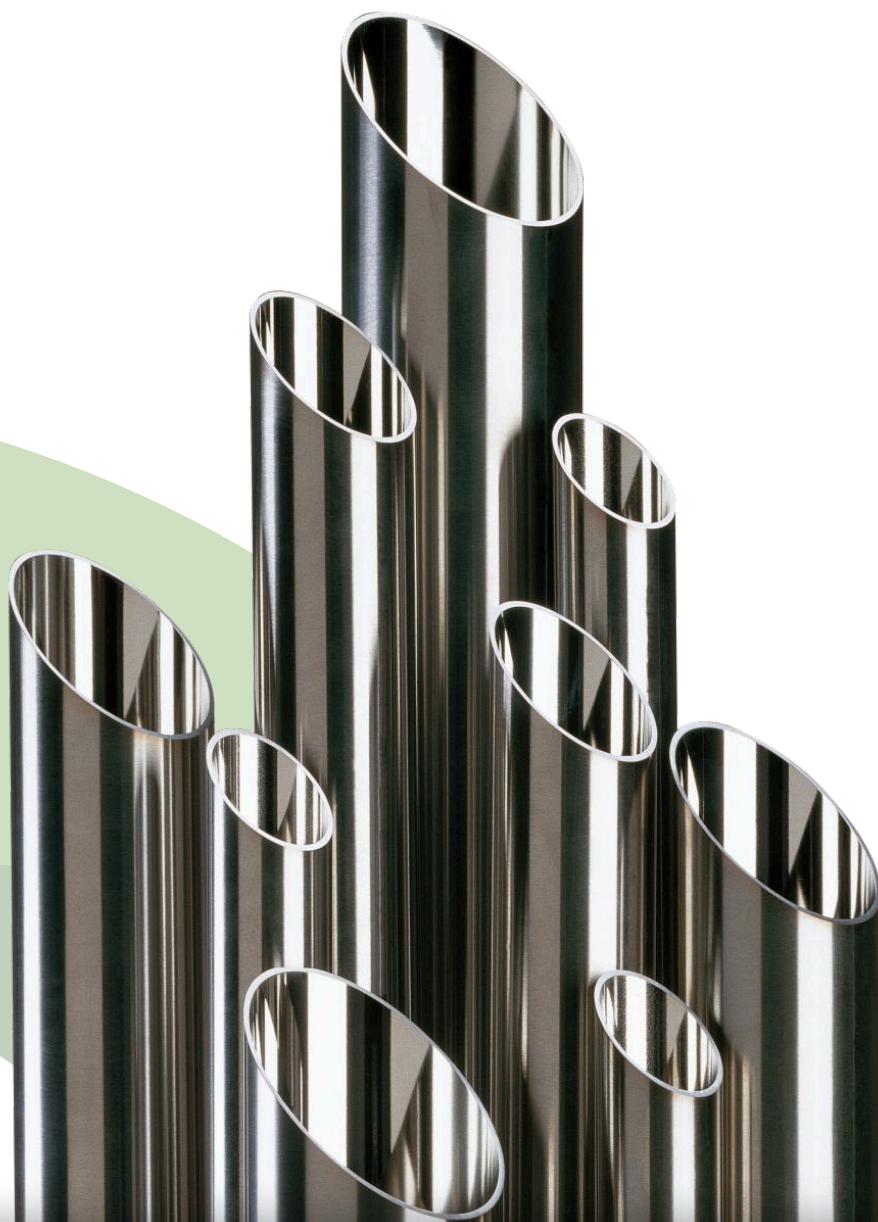
Nominal Size	Outside Diameter (OD)	Min. Thickness (T)	RF Dia. (R)	No. of Bolt Holes	Diameter of Holes	Bolt Circle (BC)	SO Bore ID (SB)	WN Bore ID (WB)	Dia. Hub Base (HB)	Dia. Hub Top (HT)	SO LTH (SL)	WN LTH (WL)
1/2	3.75	0.56	1.38	4	0.63	2.62	0.88	To be specified by Purchaser	(HB)	(HT)	(SL)	(WL)
3/4	4.62	0.62	1.69	4	0.75	3.25	1.09		1.5	0.84	0.88	2.06
1	4.88	0.69	2	4	0.75	3.5	1.36		1.88	1.05	1	2.25
1 1/4	5.25	0.81	2.5	4	0.75	3.88	1.7		2.12	1.32	1.06	2.44
1 1/2	6.12	0.88	2.88	4	0.88	4.5	1.95		2.5	1.66	1.12	2.62
2	6.5	1	3.62	8	0.75	5	2.44		2.75	1.9	1.25	2.75
2 1/2	7.5	1.12	4.12	8	0.88	5.88	2.94		3.31	2.38	1.44	2.88
3	8.25	1.25	5	8	0.88	6.62	3.57		3.94	2.88	1.62	3.12
3 1/2	9	1.38	5.5	8	1	7.25	4.07		4.62	3.5	1.81	3.25
4	10.75	1.5	6.19	8	1	8.5	4.57		5.25	4	1.94	3.38
									6	4.5	2.12	4

**Note:** Bolt Hole Diameter is 1/8" larger than Bolt Diameter. All dimensions in inches.



# Chemical and Mechanical Properties

Specification	Grade	Chemical Composition														Mechanical Properties								
		C		Mn		P	S	Si		Cr		Mo		Cu	Ni	V	Yield Strength		Tensile Strength		% Elongation (G. L. 50 mm WT 8 mm ) e (min)			
		Min	Max	Min	Max	Max	Max	Min	Max	Min	Max	Min	Max	Max	Max	Max	PSI	MPa	PSI	MPa				
HYDROCARBON PROCESS INDUSTRY / STRUCTURAL / PRESSURE VESSEL TUBES																								
ASTM A53	A	-	0.25	-	0.95	0.050	0.045	-	-	-	0.40	-	0.15	0.40 for S	0.40	0.08	30000	205	48000	330	e=625000 A02/U09			
	B	-	0.30	-	1.20	0.050	0.045	-	-	-	0.40	-	0.15	0.40 for S	0.40	0.08	35000	240	60000	415				
ASTM A106	A	-	0.25	0.27	0.93	0.035	0.035	0.10	-	-	0.40	-	0.15	0.40	0.40	0.08	30000	205	48000	330	35L/25T			
	B	-	0.30	0.29	1.06	0.035	0.035	0.10	-	-	0.40	-	0.15	0.40	-	0.08	35000	240	60000	415	30L/16.5T			
ASTM A333 & A334	1	-	0.30	0.40	1.06	0.025	0.025	-	-	-	-	-	-	-	-	-	30000	205	55000	380	35			
	6	-	0.30	0.29	1.06	0.025	0.025	0.10	-	-	-	-	-	-	-	-	35000	240	60000	415	30			
Seamless Cold Drawn Precision Steel Tubes for mechanical Applications / Hydraulic / Pneumatic Power Systems																								
EN 10305-1/ EN1035-4	E 235		0.17		1.20	0.025	0.025	0.35									0.02		235		340		25	
	E355		0.22		1.60	0.025	0.025	0.55									0.02		355		490		22	
EN 10216-1	P195 TR1		0.13		0.70	0.025	0.020	0.35		0.30		0.08	0.30	0.30					195		320		27	
	P235 TR1		0.16		1.20	0.025	0.020	0.35		0.30		0.08	0.30	0.30					235		360		25	
EN 10216-2	P235 GH		0.16		1.20	0.025	0.020	0.35		0.30		0.08	0.30	0.30	0.02									
	ST 35	-	0.17	0.40	-	0.025	0.025	-	0.35	-	-	-	-	-	-			NBK:215 / GBK: -		NBK: 340 / GBK: 315		NBK:470		
DIN 2391	ST 45	-	0.21	0.40	-	0.025	0.025	-	0.35	-	-	-	-	-	-			NBK:255 / GBK: -		NBK:440 / GBK: 390		NBK:570		
	ST 52	-	0.22	-	1.60	0.025	0.025	-	0.55	-	-	-	-	-	-			NBK:355 / GBK: -		NBK:490 / GBK:490		NBK:630		
ASTM A519	SAE 1010	0.08	0.13	0.30	0.60	0.040	0.050	-	-	-	-	-	-	-	-	-	-							
	SAE 1018	0.15	0.20	0.60	0.90	0.040	0.050	-	-	-	-	-	-	-	-	-	-							
	SAE 1026	0.22	0.28	0.60	0.90	0.040	0.050	-	-	-	-	-	-	-	-	-	-							
	SAE 1035	0.32	0.38	0.60	0.90	0.040	0.050	-	-	-	-	-	-	-	-	-	-							
	SAE 1040	0.37	0.44	0.60	0.90	0.040	0.050	-	-	-	-	-	-	-	-	-	-							
	SAE 1518	0.15	0.21	1.10	1.40	0.040	0.050	-	-	-	-	-	-	-	-	-	-							
	SAE 1541	0.36	0.44	1.35	1.65	0.040	0.050	-	-	-	-	-	-	-	-	-	-							
	SAE 4130	0.28	0.33	0.40	0.60	0.040	0.040	0.15	0.35	0.80	1.10	0.15	0.25	-	-	-	-							
Boiler/ Heat Exchanger/ Superheater & Condenser Tubes																								
ASTM A179	-	0.06	0.18	0.27	0.63	0.035	0.035	-	-	-	-	-	-	-	-	-	-	26000	180	47000	325	35		
ASTM A192		0.06	0.18	0.27	0.63	0.035	0.035	-	0.25	-	-	-	-	-	-	-	-	26000	180	47000	325	35		
ASTM A210	A-1	-	0.27	-	0.93	0.035	0.035	0.10	-	-	-	-	-	-	-	-	-	37000	255	60000	415	30		
	C	-	0.35	0.29	1.06	0.035	0.035	0.10	-	-	-	-	-	-	-	-	40000	275	70000	485	30			
ASTM A213	T-11	0.05	0.15	0.30	0.60	0.025	0.025	0.50	1.00	1.00	1.50	0.44	0.65	-	-	-	30000	205	60000	415	30			
	T-12	0.05	0.15	0.30	0.61	0.025	0.025	-	0.50	0.80	1.25	0.44	0.65	-	-	-	32000	220	60000	415	30			
	T-22	0.05	0.15	0.30	0.60	0.025	0.025	-	0.50	1.90	2.60	0.87	1.13	-	-	-	30000	205	60000	415	30			
ASTM A335	P-11	0.05	0.15	0.30	0.60	0.025	0.025	0.50	1.00	1.00	1.50	0.44	0.65	-	-	-	30000	205	60000	415	30			
	P-12	0.05	0.15	0.30	0.61	0.025	0.025	-	0.50	0.80	1.25	0.44	0.65	-	-	-	32000	220	60000	415	30			
	P-22	0.05	0.15	0.30	0.60	0.025	0.025	-	0.50	1.90	2.60	0.87	1.13	-	-	-	30000	205	60000	415	30			
BS 3059 Pt I	320	-	0.16	0.30	0.70	0.040	0.040	0.10	0.35	-	-	-	-	-	-	-	28000	195	46000	320	69500			
BS 3059 Pt																								



#### Registered Office |

Second Floor, "Gayatri Square"  
Nr. Saket Hospital, Nana Mava Road,  
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#### Plant Address |

Survey No 2154/2155,  
Ahmedabad - Rajkot Highway (NH47)  
Near Hotel Orizon, At: Panshina,  
Taluka: Limbdi, Dist.: Surendranagar,  
Gujarat, India-363423

