



**PIPES &
TUBES**

ABOUT

WOLFF PIPELINES LTD, Established in 1992 in The United Kingdom are producers of quality Seamless & Welded Pipes and Tubes.

Since its inception more than two decades ago, WOLFF has been contributing to the growth and development of the Oil & Gas sector by serving EPC contractors and supplying distributors and trading companies with quality piping products.

We have been recognised for strict quality control and inspection systems by several customers and approved by a number of end users.

WHAT WE DO

WOLFF provides total piping and tubing solution by continuous supply of to-quality products of seamless and welded pipes and tubes, Our high quality products are consumed by a world-wide customer base. Users include oil and gas production, refining, Petrochemical, chemical, pulp and paper, nuclear and fossil power, shipbuilding, and food processing industries

OUR MISSION

Quality, good service, on time delivery and customer satisfaction are the main objectives of our company. The experienced and professional approach of everyone in WOLFF means that we can give our customers an excellent all round service from initial inquiry right through to delivery - ON TIME



PRODUCTS

STAINLESS STEEL SEAMLESS PIPES

Outside Diameter Range	: 1/8" NB to 24" NB
Wall Thickness Range	: SCH 5S to SCH XXS
Length	: As per Requirement. Maximum up to 12 Meter long.
Grades	: TP304/304L, 304H, TP316/316L, 304H, 316Ti, TP317L, TP321/321H, TP347/347H 1.4301, 1.4307, 1.4948, 1.4401, 1.4404, 1.4918, 1.4571, 1.4438, 1.4541, 1.4940, 1.4550, 1.4912 S31803, S32205, S32550, S32750
Specification	: ASTM A-312, A-790
Supply Condition	: Annealed, pickled and passivated. polished condition on request.

STAINLESS STEEL TUBES

Outside Diameter Range	: 6 mm to 101.60 mm
Wall Thickness Range	: 0.50 mm to 8.0mm
Length	: As per Requirement. Maximum up to 12 Meter long.
Grades	: TP304/304L, 304H, TP316/316L, 304H, 316Ti, TP317L, TP321/321H, TP347/347H 1.4301, 1.4307, 1.4948, 1.4401, 1.4404, 1.4918, 1.4571, 1.4438, 1.4541, 1.4940, 1.4550, 1.4912 S31803, S32205, S32550, S32750
Specification	: Seamless – ASTM A-213, A-268, A-269, A-270, A-789, Welded – ASTM A-249, A-268, A-269, A-270, A-554, A-688, A-789, A-80
Supply Condition	: Annealed, pickled and passivated. polished condition on request.

STAINLESS STEEL WELDED PIPES

Outside Diameter Range	: 1/8" NB to 24" NB
Wall Thickness Range	: SCH 5S to SCH XXS
Length	: As per Requirement. Maximum up to 12 Meter long.
Grades	: TP304/304L, 304H, TP316/316L, 304H, 316Ti, TP317L, TP321/321H, TP347/347H 1.4301, 1.4307, 1.4948, 1.4401, 1.4404, 1.4918, 1.4571, 1.4438, 1.4541, 1.4940, 1.4550, 1.4912 S31803, S32205, S32550, S32750
Specification	: ASTM A-312, A-554, A-778, A-790
Supply Condition	: Annealed, pickled and passivated. polished condition on request.

APPLICATION



OIL & GAS



PETROCHEMICAL



PHARMACEUTICALS



CHEMICALS



POWER PLANTS



HEAT EXCHANGERS



WATER AND DRINKS



FOOD INDUSTRY



AUTOMOTIVE



AEROSPACE



MARINE AND DESALINATION



GENERAL ENGINEERING





QUALITY ASSURANCE

It is not an option but a necessity to maintain quality of our products, Each product is tested as per the internationally accepted standard, Specific testing can also be done on clients request,

TESTING AND INSPECTION :

- Chemical analysis
- Mechanical properties
- Hardness test
- Chloride contamination
- Die penetration
- Micro structure examination
- Hydrostatic test
- Air under water testing
- Ferrite content testing

NON DESTRUCTIVE TESTING :

- Eddy Current Testing
- Ultrasonic Testing
- Positive material identification
- Real Time Digital Radiography
- Visual and dimensional inspection

Steel Pipe Dimensions Chart ANSI B36.10 & 36.19

Nominal Pipe Size			Outside Diameter (mm)					Nominal Wall Thickness Schedule											
NPS	DN	OD	SCH 5s	SCH 10s	SCH 10	SCH 20	SCH 30	SCH 40s	SCH STD	SCH 40	SCH 60	SCH 80s	SCH XS	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	SCH XXS
1/8	6	10.3		1.24				1.73	1.73	1.73		2.41	2.41	2.41					
1/4	8	13.7		1.65				2.24	2.24	2.24		3.02	3.02	3.02					
3/8	10	17.1		1.65				2.31	2.31	2.31		3.20	3.20	3.20					
1/2	15	21.3	1.65	2.11				2.77	2.77	2.77		3.73	3.73	3.73				4.78	7.47
3/4	20	26.7	1.65	2.11				2.87	2.87	2.87		3.91	3.91	3.91				5.56	7.82
1	25	33.4	1.65	2.77				3.38	3.38	3.38		4.55	4.55	4.55				6.35	9.09
1 1/4	32	42.2	1.65	2.77				3.56	3.56	3.56		4.85	4.85	4.85				6.35	9.70
1 1/2	40	48.3	1.65	2.77				3.68	3.68	3.68		5.08	5.08	5.08				7.14	10.15
2	50	60.3	1.65	2.77				3.91	3.91	3.91		5.54	5.54	5.54				8.74	11.07
2 1/2	65	73	2.11	3.05				5.16	5.16	5.16		7.01	7.01	7.01				9.53	14.02
3	80	88.9	2.11	3.05				5.49	5.49	5.49		7.62	7.62	7.62				11.13	15.24
3 1/2	90	101.6	2.11	3.05				5.74	5.74	5.74		8.08	8.08	8.08					
4	100	114.3	2.11	3.05				6.02	6.02	6.02		8.56	8.56	8.56		11.13		13.49	17.12
5	125	141.3	2.77	3.40				6.55	6.55	6.55		9.53	9.53	9.53		12.70		15.88	19.05
6	150	168.3	2.77	3.40				7.11	7.11	7.11		10.97	10.97	10.97		14.27		18.26	21.95
8	200	219.1	2.77	3.76		6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	22.23
10	250	273.1	3.40	4.19		6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
12	300	323.9	3.96	4.57		6.35	8.38	9.53	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	28.58	33.32	25.40
14	350	355.6	3.96	4.78	6.35	7.92	9.53		9.53	11.13	15.09		12.70	19.05	23.83	27.79	31.75	35.71	
16	400	406.4	4.19	4.78	6.35	7.92	9.53		9.53	12.70	16.66		12.70	21.44	26.19	30.96	36.53	40.49	
18	450	457.2	4.19	4.78	6.35	7.92	11.13		9.53	14.27	19.05		12.70	23.83	29.36	34.93	39.67	45.24	
20	500	508	4.78	5.54	6.35	9.53	12.70		9.53	15.09	20.62		12.70	26.19	32.54	38.10	44.45	50.01	
22		559	4.78	5.54	6.35	9.53	12.70		9.53		22.23		12.70	28.58	34.93	41.28	47.63	53.98	
24	600	610	5.54	6.35	6.35	9.53	14.27		9.53	17.48	24.61		12.70	30.96	38.89	46.02	52.37	59.54	
26		660			7.92	12.70			9.53				12.70						
28	700	711			7.92	12.70	15.88		9.53				12.70						
30		762	6.35	7.92	7.92	12.70	15.88		9.53				12.70						
32	800	813			7.92	12.70	15.88		9.53	17.48			12.70						
34		884			7.92	12.70	15.88		9.53	17.48			12.70						
36	900	914			7.92	12.70	15.88		9.53	19.05			12.70						
38		965							9.53				12.70						
40	1000	1016						9.53		12.70									
42		1067				12.70	15.88		9.53	19.05			12.70						
44	1100	1118							9.53				12.70						
46		1168							9.53				12.70						
48	1200	1219							9.53				12.70						

STEEL GRADE	DIN EN GRADE	STEEL NAME	C	Mn	P	S	Si	Cr	Ni	Mo	N	Nb	Ti	Cu	W	B
TP 304			0.080	2.00	0.045	0.030	1.00	18.0-20.0	8.00-11.0							
	1.4301	X2CrNi18-20	0.070	2.00	0.040	0.015	1.00	17.0-19.5	8.00-10.5		0.10Max					
TP 304 L			0.035	2.00	0.045	0.030	1.00	18.0-20.0	8.00-12.0							
	1.4307	X2CrNi18-9	0.030	2.00	0.040	0.015	1.00	17.5-19.5	8.00-10.0		0.10 Max					
TP 304H			0.04-0.10	2.00	0.045	0.030	1.00	18.0-20.0	8.00-11.0							
	1.4948	X6CrNi18-10	0.04-0.08	2.00	0.035	0.015	1.00	17.0-19.0	8.00-11.0							
TP 310S			0.080	2.00	0.045	0.030	1.00	24.0-26.0	19.00-22.0							
	1.4845	X8CrNi25-21	0.100	2.00	0.045	0.015	1.50	24.0-26.0	19.00-22.0		0.11 Max.					
TP 310H			0.04-0.10	2.00	0.045	0.030	1.00	24.0-26.0	19.00-22.0							
	1.4335	X1CrNi25-21	0.020	2.00	0.025	0.010	0.25	24.0-26.0	20.00-22.0	0.20 Max.						
TP 316			0.080	2.00	0.045	0.030	1.00	16.0-18.0	11.00-14.0	2.00-3.0						
	1.4401	X5CrNiMo17-12-2	0.070	2.00	0.040	0.015	1.00	16.5-18.5	10.00-13.0	2.00-2.5	0.10 Max					
TP 316L			0.035	2.00	0.045	0.030	1.00	16.0-18.0	10.00-14.0	2.00-3.0						
	1.4404	X2CrNiMo17-12-2	0.030	2.00	0.040	0.015	1.00	16.5-18.5	11.00-13.0	2.00-2.5	0.10 Max					
TP 316H			0.04-0.10	2.00	0.045	0.030	1.00	16.0-18.0	11.00-14.0	2.00-3.0						
	1.4918	X6CrNiMo17-13-2	0.04-0.08	2.00	0.035	0.015	0.75	16.0-18.0	12.00-14.0	2.00-2.5						
TP 316 Ti			0.080	2.00	0.045	0.030	0.75	16.0-18.0	10.00-14.0	2.00-3.0	0.10 Max.		5(C+N)-0.70			
	1.4571	X6CrNiMoTi17-12-2	0.080	2.00	0.040	0.015	1.00	16.5-18.5	10.50-13.5	2.00-2.5			5XC T0 0.70			
TP 321			0.080	2.00	0.045	0.030	1.00	17.0-19.0	9.00-12.0				5(C+N)-0.70			
	1.4541	X6CrNiTi18-10	0.080	2.00	0.040	0.015	1.00	17.0-19.0	9.00-12.0				5XC T0 0.70			
TP 321H			0.04-0.10	2.00	0.045	0.030	1.00	17.0-19.0	9.00-12.0				5(C+N)-0.70			
	1.4941	X5CrNiTiB18-10	0.04-0.08	2.00	0.035	0.015	1.00	17.0-19.0	9.00-12.0				5XC - 0.80			
TP 347			0.080	2.00	0.045	0.030	1.00	17.0-20.0	9.00-13.0			10XC-1.10			0.0015	-0.00050
	1.4550	X5CrNiNb18-10	0.080	2.00	0.040	0.015	1.00	17.0-19.0	9.00-12.0			10XC- 1.0				
TP 347H			0.04-0.10	2.00	0.045	0.030	1.00	17.0-19.0	9.00-13.0			5XC-1.10				
	1.4912	X7CrNiNb18-10	0.04-0.10	2.00	0.040	0.015	1.00	17.0-19.0	9.00-12.0		0.10 Max.	10XC- 1.2				
UNS S31803			0.030	2.00	0.030	0.020	1.00	21.0-23.0	4.50-6.50	2.50-3.5	0.08-0.20					
UNS S32205			0.030	2.00	0.030	0.020	1.00	22.0-23.0	4.50-6.50	3.00-3.5	0.14-0.20					
UNS S32750			0.030	1.20	0.030	0.020	0.90	24.0-26.0	6.00-8.0	3.00-5.0	0.24-0.30			0.50 Max.		
UNS S32760			0.050	1.00	0.030	0.010	1.00	24.0-26.0	6.00-8.0	3.00-4.0	0.20-0.30			0.50-0.10	0.50 -1.00	



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