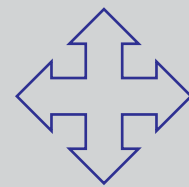


PROTEK



CARBON STEEL SEAMLESS PIPE



GREEN REVOLUTION  THE BEST SOLUTION



PROTEK



PROTEK Introduction

Protek Group, a renowned business enterprise from the United Kingdom, have been serving diversified industrial sectors of the European and Asian Markets with high quality forged steel and cast steel valves and Carbon Steel Seamless Pipes and Pipe Fittings since 1989

Quality has always been a priority with PROTEK and we aim to manufacture products that deliver to ever changing demand of the market.

PROTEK has been on the market now for several years with a recognised registered and approved product range. Through this time we have not only gained in experience and improved the quality of our products, but have also formed effective communication network with our supplier and customers.



Quality Assurance

All PROTEK products are manufactured to the very highest quality considerations and under an **ISO 9001 / 9002** quality control system with the help of our manufacturing partners in China and Ukraine.





PROTEK



Marketing Strategy

The development of PROTEK has always kept paces with the times. We have set up offices, sales companies and special distribution centers all over Europe so that PROTEK can go further, broader and better!



Professional Marketing And Communication Centres

The locations Include : New Castle England, Bilbao Spain, Valencia Spain, Madrid Spain, Milan Italy
Gothenburg Sweden, Genoa Italy and Dortmund Germany.



Heat Treatment line

Production size range:

15mm till 600mm

Designed annual capacity:

800,000 Tons.

Production line advantages:

Walking beam furnace with its hearth longitudinal division and horizontal partition, the furnace temperature is automatically controlled in every section, with good temperature uniformity, hence the property is uniform and stable. Using water as the cooling medium after quenching, the type of cooling is pour outside and spray inside. The pour water flow rate and spray water pressure are adjustable within a large range. So it can meet the requirement of the cooling intensity for different materials and different specifications.

After process of high pressure water descaling and hot sizing, the surface quality and dimensional accuracy of pipes after heat treatment are both in good condition.

Main supporting equipments: Walking beam quenching furnace, walking beam tempering furnace, German GE, FOERSTER UT&EMI composite non-destructive testing machine. BRONX six rollers straightener.



Pipe end Upsetting line

Production size range: Ø 10.3mm ~ 114.3mm

Designed annual capacity: 20,000 tons

Production line advantages:

4 times heating, 2 times upsetting, good temperature uniformity in heating process, available for both internal and external upsetting.

Product advantages:

1. It can meet the upsetting requirements of various premium connections:
2. Roundness of transition section is good.

Main supporting equipments:

500/250T hydraulic upsetting machine, medium-frequency induction heating furnace.



OCTG Thread Processing line

Production size range: Ø 10.3mm ~ 339.72mm

Designed annual capacity: 200,000 tons (including PSL 1, PSL 2, PSL 3)

Production line advantages:

Three-dimensional continuous control CNC machine tool with FUNUC Oi-TD system, it can meet the processing requirements of API series threads and Non-API series premium connections VST-1, VST-2, VST-Z1, VST-Z2 etc.

Main supporting equipments:

CNC machine tool, screw-on machine, sand blasting machine.



Devices and equipments

Cone type piercer: Ensure high efficiency rightly from the beginning. Piercing is the first step of changing billet into seamless pipe. High performance piercing mill brings advantage to following production because it is good at rolling pipe with thin wall thickness.



PQR pipe mill: Core equipment to realize highest quality, on three-roller rack with hydraulic roll gap adjustment of PQR stand mill, the tubular billet is rolled into pierced billet with synchronized retained mandril, and the result is a constant high quality. After the rolling process finished, the pierced billet is immediately dropped from the mandril along the production line direction.

Stretch-reducing mill and sizing mill: Strive for perfection. In the last step, the seamless steel pipe is rolled on sizing mill to the desired diameter sizes to control precision.





Threading machine adopts CNC rack continuously controlled by three dimensions of FANUC Oi-TD system which highlights the feature of high accuracy, high stillness, and high power. It can cut straight line, oblique line, circular arc, metric and inch thread, straight and taper thread with tool nose radius compensation and other function. The main production process is magnetic powder pipe and flaw detection-1# Threading machine-coupling screw-on machine-hydraulic press-2# Threading machine-Measure the length, weigh, and paint the color ring-Oiling-Fine packaging.

Tube and magnetic powder flaw detection equipment is mainly used to check the crack defect on inside and outside surface and any direction near the surface of steel pipe with diameter of 139.7 mm-339.7 mm, wall thickness of 5.21 mm – 22.22 mm, length of 4.877-14.63m, tube end of 500 mm. The equipment is composed of power system, process control system, operating system, oscillation demagnetization system, and magnetic suspension loop spray system, etc.

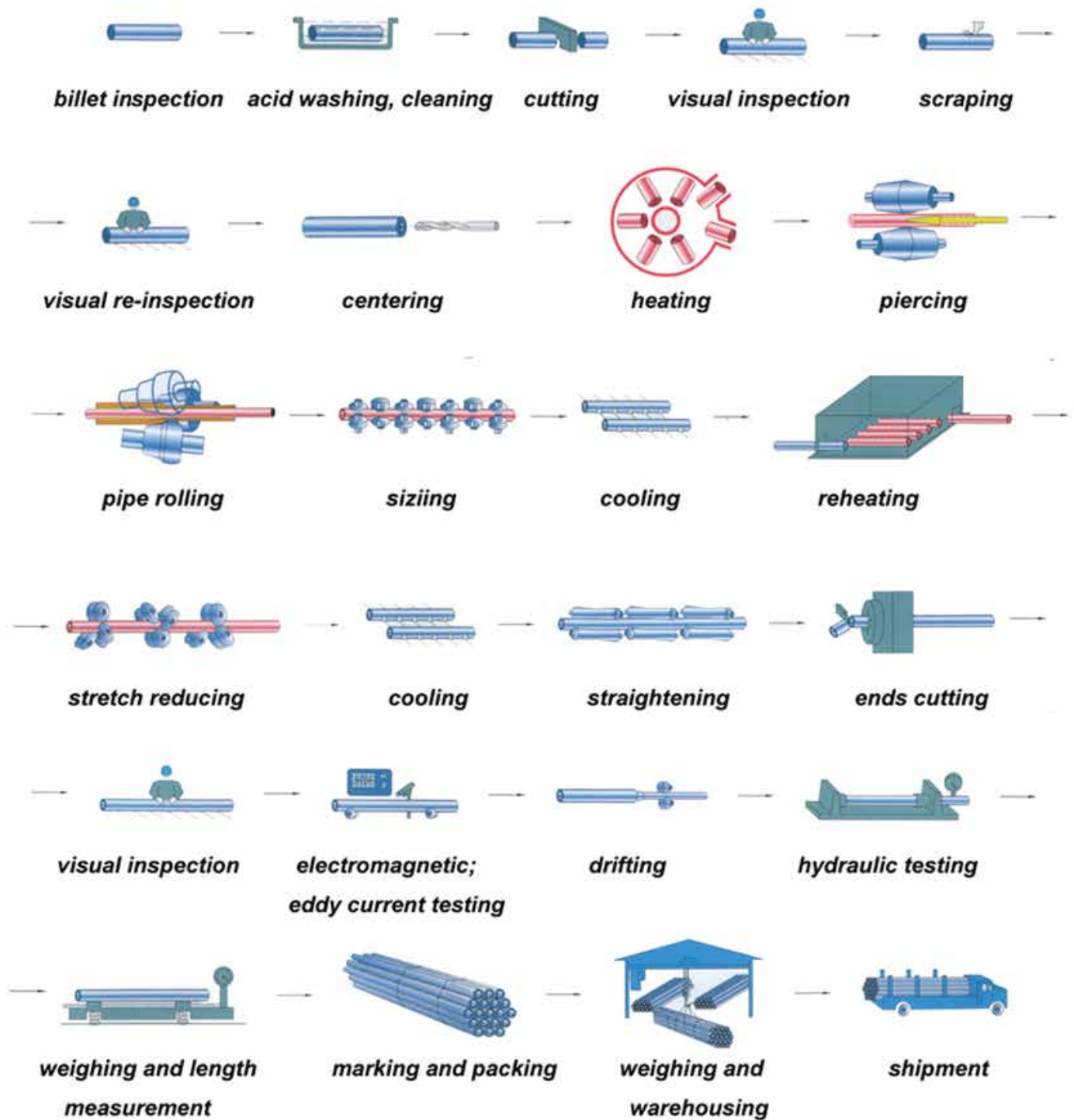




PROTEK



Manufacturing Process



Manufacturing Process



Machining pipe

Standard	Steel grade	Application
GB/T 8162	10, 20, 35, 45, 20Mn, 25Mn, 20Mn2, 45Mn2, 27SiMn, Q345A, Q345B, Q345C, Q345D, Q345E	Using for manufacturing pipeline, container, equipment, fitting and steel structure.
EN 10297-1	E355, E470	
EN 10210-1	S235JRH, S275J0H, S275J2H, S355J0H, S355J2H, S355k2H	
DIN 1629	St37.0, St44.0, St52.0	
ASTM A519	1026, 1045, 4140	

Other steel tube

Name	Standard	Grade	Application	Size
Drill pipe	API SPEC 5DP	E, X, G, S	Use for drilling well	15mm - 168mm
Seamless steel pipe used for fluid transportation	GB/T 8163 ASTM A53 ASTM A106	10, 20, Q345A, Q345B, Q345C, Q345D, Q345E A, B, C	Use for transferring oil, gas and other fluid	15mm till 600mm
Seamless steel pipe used for shipbuilding	GB/T 5312, Classification society specification	320, 360, 410 460, 490	Use for manufacturing Marine boiler, superheater and pressure pipeline	15mm till 600mm
Seamless steel pipe used for hydraulic prop	GB/T 17396	20, 35, 40, 27SiMn	Use for support and prop of hydraulic clinder	15mm till 400mm
Seamless steel pipe used for automobile semi-axle housing	YB/T 5035	45, 45Mn2	Used for automobile axle, axle housing	15mm till 400mm
Seamless steel pipe used for drilling	GB/T 9808	ZT380, ZT490, ZT520, ZT540, ZT590, ZT640 ZT740	Used for drilling geological corestone, water well and projects, etc.	15mm till 400mm



Seamless Galvanized Carbon Steel Pipes

PLAIN - THREADED - GROOVED ENDS

- **Specification**

ASTM A53 API 5L/ A 106 Gr. B X42 X 52

ASTM A 333 GR 6°

- **Range**

From 15mm till 250mm

- **Galvanizing**

ASTM A 53 – A123 – A153 EN 10240-A1

ISO 1461

- **Ends**

PLAIN – THREADED – GROOVED

- **Other Coatings**

HOT COATED EPOXY POWDER

RED COLOR RAL 3000 FOR FIRE-EXTINGUISHING SYSTEMS

EXTERNAL COATING EXTRUDED POLYETHYLENE SHEATH



GALVANIZING

Technical Features

plant in compliance with the UNI EN 10240 norm, which stipulates various levels of quality depending on the pipe application:

EN 10240 - ASTM A53

A123 - A153

Certification galvanized material:

DVGW

T.U.V.

PROTEK THERMO

PROTEK Manufactures PROTEK Thermo®: pipes in steel, hot-coated with epoxy powder. The coating is applied by fusing epoxy powder to the surface of the shot blasted pipe, preheated to about 200°C.

The coating, with a minimum thickness of 50 microns, gives a working temperature of between –10 and +110°C, has excellent adhesion properties and resistance to abrasion.



PIPE DIMENSIONS AND WEIGHTS

Available in commercial and nuclear

U.S./ METRIC

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME			INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
1/8 6	0.405 10.3	10 STD XS	40 80	105 405 805	0.049 0.068 0.095	1.24 1.73 2.41	0.19 0.24 0.31	0.28 0.37 0.47	0.307 0.269 0.215	7.82 6.84 5.84
1/4 8	0.540 13.7	10 STD XS	40 80	105 405 805	0.065 0.088 0.119	1.65 2.24 3.02	0.33 0.43 0.54	0.49 0.63 0.80	0.410 0.364 0.302	10.40 9.22 7.66
3/8 10	0.675 17.1	10 STD XS	40 80	105 405 805	0.065 0.091 0.126	1.65 2.31 3.20	0.42 0.57 0.74	0.63 0.84 1.10	0.545 0.493 0.423	13.80 12.48 10.70
1/2 15	0.840 21.3	5 10 STD XS 160 XX	40 80	55 105 405 805	0.065 0.083 0.109 0.147 0.188 0.294	1.65 2.11 2.77 3.73 4.78 7.47	0.54 0.67 0.85 1.09 1.31 1.72	0.80 1.00 1.27 1.62 1.95 2.55	0.710 0.674 0.622 0.546 0.464 0.252	18.00 17.08 15.76 13.84 11.74 6.36
3/4 20	1.050 26.7	5 10 STD XS 160 XX	40 80	55 105 405 805	0.065 0.083 0.113 0.154 0.219 0.308	1.65 2.11 2.87 3.91 5.56 7.82	0.69 0.86 1.13 1.48 1.95 2.44	1.03 1.28 1.69 2.20 2.90 3.64	0.920 0.884 0.824 0.742 0.612 0.434	23.40 22.48 20.96 18.88 15.58 11.06
1 25	1.315 33.4	5 10 STD XS 160 XX	40 80	55 105 405 805	0.065 0.109 0.133 0.179 0.250 0.358	1.65 2.77 3.38 4.55 6.35 9.09	0.87 1.41 1.68 2.17 2.85 3.66	1.29 2.09 2.50 3.24 4.24 5.45	1.185 1.097 1.049 0.957 0.815 0.599	30.10 27.86 26.64 24.30 20.70 15.22
1-1/4 32	1.660 42.2	5 10 STD XS 160 XX	40 80	55 105 405 805	0.065 0.109 0.140 0.191 0.250 0.382	1.65 2.77 3.56 4.85 6.35 9.70	1.11 1.81 2.27 3.00 3.77 5.22	1.65 2.69 3.39 4.47 5.61 7.77	1.530 1.442 1.380 1.278 1.160 0.896	38.90 36.66 35.08 32.50 29.50 22.80
1-1/2 40	1.900 48.3	5 10 STD XS 160 XX	40 80	55 105 405 805	0.065 0.109 0.145 0.200 0.281 0.400	1.65 2.77 3.68 5.08 7.14 10.15	1.28 2.09 2.72 3.63 4.86 6.41	1.90 3.11 4.05 5.41 7.25 9.55	1.770 1.682 1.610 1.500 1.338 1.100	45.00 42.76 40.94 38.14 34.02 28.00
2 50	2.375 60.3	5 10 STD XS 160 XX	40 80	55 105 405 805	0.065 0.109 0.154 0.218 0.344 0.436	1.65 2.77 3.91 5.54 8.74 11.07	1.61 2.64 3.66 5.03 7.47 9.04	2.39 3.93 5.44 7.48 11.11 13.44	2.245 2.157 2.067 1.939 1.687 1.503	57.00 54.76 52.48 49.22 42.82 38.16
2-1/2 65	2.875 73.0	5 10 STD XS 160 XX	40 80	55 105 405 805	0.083 0.120 0.203 0.276 0.375 0.552	2.11 3.05 5.16 7.01 9.53 14.02	2.48 3.53 5.80 7.67 10.02 13.71	3.69 5.26 8.63 11.41 14.92 20.39	2.709 2.635 2.469 2.323 2.125 1.771	68.78 66.90 62.68 58.98 53.94 44.96
3 80	3.500 88.9	5 10 STD XS 160 XX	40 80	55 105 405 805	0.083 0.120 0.216 0.300 0.438 0.600	2.11 3.05 5.49 7.62 11.13 15.24	3.03 4.34 7.58 10.26 14.34 18.60	4.52 6.46 11.29 15.27 21.35 27.68	3.334 3.260 3.068 2.900 2.624 2.300	84.68 82.80 77.92 73.66 66.64 58.42
3-1/2 90	4.000 101.6	5 10 STD XS XX	40 80	55 105 405 805	0.083 0.120 0.226 0.318 0.636	2.11 3.05 5.74 8.08 16.15	3.48 4.98 9.12 12.52 22.87	5.18 7.41 13.57 18.64 34.03	3.834 3.760 3.548 3.364 2.728	97.38 95.50 90.12 85.44 69.30
4 100	4.500 114.3	5 10 STD XS 120 160 XX	40 80	55 105 405 805	0.083 0.120 0.156 0.188 0.237 0.337 0.438 0.531 0.674	2.11 3.05 3.96 4.78 6.02 8.56 11.13 13.49 17.12	3.92 5.62 7.24 8.67 10.80 15.00 19.02 22.53 27.57	5.84 8.37 10.78 12.91 16.08 22.32 28.32 33.54 41.03	4.334 4.260 4.188 4.124 4.026 3.826 3.624 3.438 3.152	110.08 108.20 106.38 104.74 102.26 97.18 92.04 87.32 80.06
4-1/2 115	5.000 127.0	STD XS XX	40 80	405 805	0.247 0.355 0.710	6.27 9.02 18.03	12.55 17.63 32.56	18.67 26.24 48.45	4.506 4.290 3.580	114.46 108.96 90.94

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS			WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME			INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
5 125	5.563 141.3	5		5S	0.109	2.77	6.36	9.46	5.345	135.76
		10		10S	0.134	3.40	7.78	11.56	5.295	134.50
		STD	40	40S	0.258	6.55	14.63	21.77	5.047	128.20
		XS	80	80S	0.375	9.53	20.80	30.97	4.813	122.24
		120			0.500	12.70	27.06	40.28	4.563	115.90
		160			0.625	15.88	32.99	49.12	4.313	109.54
		XX			0.750	19.05	38.59	57.43	4.063	103.20
6 150	6.625 168.3	5		5S	0.109	2.77	7.59	11.31	6.407	162.76
		10		10S	0.134	3.40	9.30	13.83	6.357	161.50
					0.188	4.78	12.94	19.28	6.249	158.74
		STD	40	40S	0.280	7.11	18.99	28.26	6.065	154.08
		XS	80	80S	0.432	10.97	28.60	42.56	5.761	146.36
		120			0.562	14.27	36.43	54.21	5.501	139.76
		160			0.719	18.26	45.39	67.57	5.187	131.78
XX			0.864	21.95	53.21	79.22	4.897	124.40		
7 175	7.625 193.7	STD	40	40S	0.301	7.65	23.57	35.10	7.023	178.40
		XS	80	80S	0.500	12.70	38.08	56.69	6.625	168.30
		XX			0.875	22.23	63.14	94.00	5.875	149.24
8 200	8.625 219.1			5S	0.109	2.77	9.92	14.78	8.407	213.56
				10S	0.148	3.76	13.41	19.97	8.329	211.58
					0.250	6.35	22.38	33.32	8.125	206.40
					0.277	7.04	24.72	36.82	8.071	205.02
		STD	40	40S	0.322	8.18	28.58	42.55	7.981	202.74
		60			0.406	10.31	35.67	53.09	7.813	198.48
		XS	80	80S	0.500	12.70	43.43	64.64	7.625	193.70
		100			0.594	15.09	51.00	75.92	7.437	188.92
		120			0.719	18.26	60.77	90.44	7.187	182.58
		140			0.812	20.62	67.82	100.93	7.001	177.86
		XX			0.875	22.23	72.49	107.93	6.875	174.64
		160			0.906	23.01	74.76	111.27	6.813	173.08
		9 225	9.625 244.5	STD	40	40S	0.342	8.69	33.94	50.54
XS	80			80S	0.500	12.70	48.77	72.60	8.625	219.10
XX					0.875	22.23	81.85	121.85	7.875	200.04
10 250	10.750 273.0			5S	0.134	3.40	15.21	22.61	10.482	266.20
				10S	0.165	4.19	18.67	27.78	10.420	264.62
					0.188	4.78	21.23	31.62	10.374	263.44
					0.250	6.35	28.06	41.76	10.250	260.30
		20			0.307	7.80	34.27	51.01	10.136	257.40
		STD	40	40S	0.365	9.27	40.52	60.29	10.020	254.46
		XS	60	80S	0.500	12.70	54.79	81.53	9.750	247.60
		80			0.594	15.09	64.49	95.98	9.562	242.82
		100			0.719	18.26	77.10	114.71	9.312	236.48
		120			0.844	21.44	89.38	133.01	9.062	230.12
		140	XX		1.000	25.40	104.23	155.10	8.750	222.20
		160			1.125	28.58	115.75	172.27	8.500	215.84
		11 275	11.750 298.5	STD	40	40S	0.375	9.53	45.60	67.91
XS	80			80S	0.500	12.70	60.13	89.51	10.750	273.10
XX					0.875	22.23	101.72	151.46	10.000	254.04
12 300	12.750 323.8			5S	0.156	3.96	21.00	31.24	12.438	315.88
				10S	0.180	4.57	24.19	35.98	12.390	314.66
					0.188	4.78	25.25	37.61	12.374	314.24
					0.250	6.35	33.41	49.71	12.250	311.10
		20			0.330	8.38	43.81	65.19	12.090	307.04
		STD	40	40S	0.375	9.53	49.61	73.86	12.000	304.74
		30			0.406	10.31	53.57	79.71	11.938	303.18
		XS		80S	0.500	12.70	65.48	97.44	11.750	298.40
		60			0.562	14.27	73.22	108.93	11.626	295.26
		80			0.688	17.48	88.71	132.05	11.374	288.84
		100			0.844	21.44	107.42	159.87	11.062	280.92
		120	XX		1.000	25.40	125.61	186.92	10.750	273.00
		140			1.125	28.58	139.81	208.08	10.500	266.64
160			1.312	33.32	160.42	238.69	10.126	257.16		
14 350	14.000 355.6			10S	0.188	4.78	27.76	41.36	13.624	346.04
					0.250	6.35	36.75	54.69	13.500	342.90
		20			0.312	7.92	45.65	67.91	13.376	339.76
		STD	30	40S	0.375	9.53	54.62	81.33	13.250	336.54
		40			0.438	11.13	63.50	94.55	13.124	333.34
		XS		80S	0.500	12.70	72.16	107.40	13.000	330.20
		60			0.594	15.09	85.13	126.72	12.812	325.42
		80			0.750	19.05	106.23	158.11	12.500	317.50
		100			0.938	23.83	130.98	194.98	12.124	307.94
		120			1.094	27.79	150.93	224.66	11.812	300.02
		140			1.250	31.75	170.37	253.58	11.500	292.10
		160			1.406	35.71	189.29	281.72	11.188	284.18

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME	INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
16 400	16.000 406.4	10S	0.188	4.78	31.78	47.34	15.624	396.84
		20	0.250	6.35	42.09	62.65	15.500	393.70
		STD 30	0.312	7.92	52.32	77.83	15.376	390.56
		40S	0.375	9.53	62.64	93.27	15.250	387.34
		XS 40	0.500	12.70	82.85	123.31	15.000	381.00
		60	0.656	16.66	107.60	160.13	14.688	373.08
		80	0.844	21.44	136.74	203.54	14.312	363.52
		100	1.031	26.19	164.98	245.57	13.938	354.02
		120	1.219	30.96	192.61	286.66	13.562	344.48
		140	1.438	36.53	223.85	333.21	13.124	333.34
		160	1.594	40.49	245.48	365.38	12.812	325.42
18 450	18.000 457	10S	0.188	4.78	35.80	53.31	17.624	447.44
		20	0.250	6.35	47.44	70.57	17.500	444.30
		STD 40S	0.312	7.92	58.99	87.71	17.376	441.16
		30	0.375	9.53	70.65	105.17	17.250	437.94
		XS 80S	0.438	11.13	82.23	122.38	17.124	434.74
		40	0.500	12.70	93.54	139.16	17.000	431.60
		60	0.562	14.27	104.76	155.81	16.876	428.46
		80	0.750	19.05	138.30	205.75	16.500	418.90
		100	0.938	23.83	171.08	254.57	16.124	409.34
		120	1.156	29.36	208.15	309.64	15.688	398.28
		140	1.375	34.93	244.37	363.58	15.250	387.14
		160	1.562	39.67	274.48	408.28	14.876	377.66
			1.781	45.24	308.79	459.39	14.438	366.52
20 500	20.000 508	10S	0.218	5.54	46.10	68.61	19.564	496.92
		20	0.250	6.35	52.78	78.56	19.500	495.30
		STD 40S	0.375	9.53	78.67	117.15	19.250	488.94
		XS 30	0.500	12.70	104.23	155.13	19.000	482.60
		40	0.594	15.09	123.23	183.43	18.812	477.82
		60	0.812	20.62	166.56	247.84	18.376	466.76
		80	1.031	26.19	209.06	311.19	17.938	455.62
		100	1.281	32.54	256.34	381.55	17.438	442.92
		120	1.500	38.10	296.65	441.52	17.000	431.80
		140	1.750	44.45	341.41	508.15	16.500	419.10
		160	1.969	50.01	379.53	564.85	16.062	407.98
22 550	22.000 559	10S	0.218	5.54	50.76	75.55	21.564	547.92
		20	0.250	6.35	58.13	86.55	21.500	546.30
		STD 40S	0.375	9.53	86.69	129.14	21.250	539.94
		XS 30	0.500	12.70	114.92	171.10	21.000	533.60
		60	0.875	22.23	197.60	294.27	20.250	514.54
		80	1.125	28.58	251.05	373.85	19.750	501.84
		100	1.375	34.93	303.16	451.45	19.250	489.14
		120	1.625	41.28	353.94	527.05	18.750	476.44
		140	1.875	47.63	403.38	600.67	18.250	463.74
		160	2.125	53.98	451.49	672.30	17.750	451.04

PIPING • TUBING • FITTINGS FLANGES • RELATED PRODUCTS	
Type	Seamless & Welded
Commodity	Chrome • Stainless • Carbon • Low Temperature
Specifications	A/SA335 • A/SA312 • A/SA213 • A/SA106 • A/SA53/API5L • A/SA333
Sizes (O.D.)	1/8" (3.175mm) - 60" (1524mm) (Larger ODs Available)
Grades	Chrome: P1 • P5 • P9 • P11 • P22 • P91 Stainless: 304 • 304H • 304L • 316 • 316H • 316L • 316LN • 321 • 321H • 347 • 347H • 310 • 310s • 309 • Alloy 20 Low Temp: Grade 1/6 • Grade 3 Carbon: Grade B • Grade C • Galvanized

MILITARY SPEC PIPE & TUBING	
Program	MIL-I-45208A Quality Program • Approved Level 1 Supplier
Contact Tioga for	U.S. Navy Specifications • Navy Nuclear • MIC Level 1 • Ultrasonic Testing
Fittings & Flanges	All Fittings & Flanges to Match the Pipe

NUCLEAR MATERIALS	
Program	ASME Section III - ASME QSC 467
Specifications	10CFR50 Appendix B • N45.2 • NQA-1 • U.S. Navy Nuclear Specifications
Products	Pipe • Tubing • Fittings • Flanges • Structural • Fasteners • Forgings • Castings • Weld Rod • Plate
Grades	Carbon • Stainless • Chrome Moly • Nickel Alloys • Duplex • 6 Moly Alloys • Low Temperature • Special Melts • Copper & Titanium

NOMINAL PIPE SIZE	OD	SCHEDULE DESIGNATIONS	WALL THICKNESS		WEIGHT		ID	
INCH MM	INCH MM	ASME	INCH	MM	LBS/ FOOT	KG/ METER	INCH	MM
24 600	24.000 610	10S	0.250	6.35	63.47	94.53	23.500	597.30
		STD 20	0.375	9.53	94.71	141.12	23.250	590.94
		40S	0.500	12.70	125.61	187.07	23.000	584.60
		80S	0.562	14.27	140.81	209.65	22.876	581.46
		30	0.688	17.48	171.45	255.43	22.624	575.04
		40	0.969	24.61	238.57	355.28	22.062	560.78
		60	1.219	30.96	296.86	442.11	21.562	548.08
		80	1.531	38.89	367.74	547.74	20.938	532.22
		100	1.812	46.02	429.79	640.07	20.376	517.96
		120	2.062	52.37	483.57	720.19	19.876	505.26
		140	2.344	59.54	542.64	808.27	19.312	490.92
		160						
26 650	26.000 660	10	0.312	7.92	85.68	127.36	25.376	644.16
		STD 40S	0.375	9.53	102.72	152.88	25.250	640.94
		XS 80S	0.500	12.70	136.30	202.74	25.000	634.60
28 700	28.000 711	10	0.312	7.92	92.35	137.32	27.376	695.16
		STD 40S	0.375	9.53	110.74	164.86	27.250	691.94
		XS 20	0.500	12.70	146.99	218.71	27.000	685.60
		80S	0.625	15.88	182.90	272.23	26.750	679.24
		30						
30 750	30.000 762	10	0.312	7.92	99.02	147.29	29.376	746.16
		STD 40S	0.375	9.53	118.76	176.85	29.250	742.94
		XS 20	0.500	12.70	157.68	234.68	29.000	736.60
		80S	0.625	15.88	196.26	292.20	28.750	730.24
		30						
32 800	32.000 813	10	0.312	7.92	105.69	157.25	31.376	797.16
		STD 40S	0.375	9.53	126.78	188.83	31.250	793.94
		XS 20	0.500	12.70	168.37	250.65	31.000	787.60
		30	0.625	15.88	209.62	312.17	30.750	781.24
		40	0.688	17.48	230.29	342.94	30.624	778.04
34 850	34.000 864	10	0.312	7.92	112.36	167.21	33.376	848.16
		STD 40S	0.375	9.53	134.79	200.82	33.250	844.94
		XS 20	0.500	12.70	179.06	266.63	33.000	838.60
		30	0.625	15.88	222.99	332.14	32.750	832.24
		40	0.688	17.48	245.00	364.92	32.624	829.04
36 900	36.000 914	10	0.312	7.92	119.03	176.97	35.376	898.16
		STD 40S	0.375	9.53	142.81	212.57	35.250	894.94
		XS	0.500	12.70	189.75	282.29	35.000	888.60
42 1050	42.000 1067	STD	0.375	9.53	166.86	248.53	41.250	1047.94
		XS	0.500	12.70	221.82	330.21	41.000	1041.60
			0.625	15.88	276.44	411.64	40.750	1035.24
			0.750	19.05	330.72	492.33	40.500	1028.90
48 1200	48.000 1219	STD	0.375	9.53	190.92	284.25	47.250	1199.94
		XS	0.500	12.70	253.89	377.81	47.000	1193.60

SPECIALTY ALLOYS	
Type	Seamless & Welded
Commodity	Nickel • Duplex & Titanium
Specifications & Grades	Alloy 800 • Alloy 825 • Alloy 600 • Alloy 625 • Alloy 400 • 6% Moly Grades • Duplex A790 UNS 31803 • 316LN
Sizes (O.D.)	1/8" (3.175mm) - 8" (203.2mm)
Wall Dimensions	0.035" (.889mm) - 0.875" (22.23mm)

TIOGA SPECIALTIES	
• Project Management • 24/7 Emergency Service • Just-In-Time Programs • Inventory in Stock • All Schedule Walls • Special Heavy Walls to 4" (101.6mm) • Header Pipe to 4" Wall (101.6mm) • Special Intermediate Walls • Average & Minimum Walls • Saw Cut up to 40" (1016mm) • Cutting: Square & Miter • Custom Lengths and OD's • End Preps-Variou • Hard to Find Metals & Sizes • Se Habla Español • Exceptional Mill/Sourcing Relations	• Dedicated Project Solution Teams • Vendor Managed Inventory Programs • Mobile On-Site Inventory Programs • Quick Response Programs • Low Total Cost Solutions • International Export & Packaging • EN PED 97/23/EC • ISO 9001-2008 • MIC Level 1 Supplier • In-House Testing • Destructive Examination • Non-Destructive Examination • In-House Hydrostatic Testing • Full EDI Capabilities • Customized e-business Solutions • Emergency Forged and Buttweld Fittings

Note: Actual dimensions can vary from the figures based on specifications/manufacturing tolerances. The Data for weight is based on the following calculation for wrought steel pipe:
LB/foot = (Outside diameter [in.] – Wall Thickness [in.]) x (Wall Thickness [in.]) x (10.69)
KG/Meter = (Outside diameter [mm] – Wall Thickness [mm]) x (Wall Thickness [mm]) x (0.0246615)

PROTEK

Quality management system

The company sets up perfect management system, has passed certification of ISO9001, ISO14001 and OHSAS18001.

Tubing, casing and line pipes have passed API certification and successfully got API 5CT, API 5L certificate of all product specification levels. The mill has got ABS, BV and DNV certificates for marine seamless pipes, PED, AD2000 and CPD certificates for seamless boiler tubes and pressure vessel, production license and manufacture license for special equipments issued by AQSIQ for bearing steel, billet and pipes.

The company is qualified supplier of Sinopec, CNPC and CNOOC and has set up long-term and stable strategic cooperative partnership with several overseas well-known enterprises like SAPCO (Saudi Arabia), CAMEG (Algeria), VICO, MEDCO, DALEEL, SABIC, HUNTING and so on. Products are exported to southeast Asia, Oceania, Middle East, South Asia, South America, North America, Europe, Africa, Central Asia, East Asia and so on, formed a sales network covering the world.



International projects

- | | | |
|--------|---|---|
| i) | New Doha International Qatar Airport |  |
| ii) | World Trade Centre, Doha, Qatar |  |
| iii) | Mall of Qatar, Qatar |  |
| iv) | The Shard, London, The United Kingdom |  |
| v) | Warsaw Trade Tower, Poland |  |
| vi) | Allianz Arena, Munich, Germany |  |
| vii) | Commerz Bank Tower, Frankfurt, Germany |  |
| viii) | Messturm, Frankfurt, Germany |  |
| ix) | One Canada Square, London, The United Kingdom |  |
| x) | Palace of Culture and Science, Warsaw, Poland |  |
| xi) | DC Towers, Vienna, Austria |  |
| xii) | Allianz Tower, Milan, Italy |  |
| xiii) | Millennium Tower, Vienna, Austria |  |
| xiv) | Beetham Tower, Manchester, The United Kingdom |  |
| xv) | Tour CB21, Paris, France |  |
| xvi) | Tour Carpe Diem, Paris, France |  |
| xvii) | Torre Iberdrolla, Bilbao, Spain |  |
| xviii) | Torre Picasso, Madrid, Spain |  |
| xix) | Monte Video, Rotterdam, The Netherlands |  |
| xx) | Ministry of Security and Justice, The Netherlands |  |
| xxi) | West Tower, Liverpool, The United Kingdom |  |



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United Kingdom



Italy



Spain



Germany



France