



شرکت تجهیز صنعت برنا
وارد کننده و تامین کننده
لوله و اتصالات استیل و فولاد



Sanitary Pipe



Sanitary Valve



Sanitary Fittings



Total
Industry &
Sanitary

www.tsborna.com

تجهیز صنعت برنا، نامی مطمئن، پایدار و ماندگار

گروه بازرگانی تجهیز صنعت برنا با در اختیار داشتن پرسنل متخصص و مجرب در زمینه خدمات مهندسی و تأمین کالای مورد نیاز صنایع نفت، گاز و پتروشیمی فعالیت خود را در این بخش از سال ۱۳۸۳ خورشیدی به صورت غیر رسمی و از سال ۱۳۹۵ به صورت رسمی آغاز نموده است/ این شرکت با دارا بودن توانایی های گسترده در زمینه تهیه و تأمین کلیه تجهیزات و ملزومات صنایع مذکور از طریق شرکت های معتبر اروپایی و آسیایی در نظر دارد تا علاوه بر تأمین این ملزومات در کمترین زمان ممکن و با بهترین کیفیت، گامی مستحکم و پویا در راستای شکوفایی ایران عزیزمان برداشته باشد/ از جمله امتیازات این شرکت، حذف واسطه های موجود و عرضه کالا و ارائه محصولات با شرایط مناسب از جمله اعتبار اسنادی و قیمت های رقابتی و استفاده از کادر مجرب و متخصص در حوزه کاری تجهیزات پایپینگ با رعایت استاندارد های مربوطه میباشد/ گروه مهندسی تجهیز صنعت برنا مفتخر است با توجه به رزومه بیش از هجده سال فعالیت مستمر در زمینه فوق با بهره گیری از دانش روز دنیا قطعات و تجهیزات مورد نیاز صنایع غذایی را نیز در رده ها و سایز های مختلف تهیه و تدارک و در انبارهای خود دپو نموده تا در صورت نیاز در اسرع وقت پاسخگوی نیازهای مشتریان ارجمند باشد/

امیدواریم نهایت احترام به حقوق مشتری و ثمره سال ها تلاش و حضور موفق در پروژه را در قالب مجموعه تجهیز صنعت برنا تجربه کنید.

تجهیز صنعت برنا
نفت، گاز، پتروشیمی و صنایع غذایی

CAST STEEL GATE VALVES FLANGED RF ANSI CLASS 150

Article: 1501

Design & construction: API 600, API 6D

Face to face length: ASME / ANSI B16.10

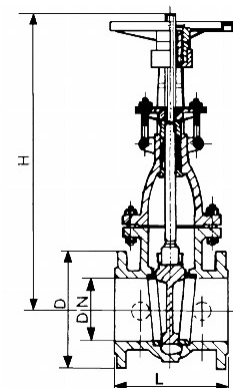
Connections & dimensions: ASME / ANSI B16.5, ASME / ANSI B 16.25

Flanged: RF ANSI #150

Pressure & temperature: ASME / ANSI B16.34

Test: API 598

- Fig. 1501A: body st.st. CF8M / trim 316



The cast steel gate valves are manufactured according to API, ANSI, ASME standard, for industrial applications. The features of these cast steel gate valves are: outside screw and yoke, bolted bonnet, flexible or solid wedge rising stem with top sealing. Standard materials are A216WCB/F6, other materials and other trims are available. Handwheel operated in standard execution, reducing gear or electric actuator on request.

Materials

<i>body-bonnet</i>	<i>cast steel A216WCB, GP240GH+N</i>
<i>stem</i>	<i>A182 F6</i>
<i>body seat facing</i>	<i>A182 F6</i>
<i>wedge ring facing</i>	<i>A182 F6</i>
<i>stem packing</i>	<i>graphite</i>
<i>gasket</i>	<i>graphite</i>
<i>painting</i>	<i>high chlorinated polyethylene HCPE</i>

Dimensions

DN	L mm.	H mm.	D mm.	Weight kg.
2"	178	320	152	23
3"	203	400	190	39
4"	229	470	228	53
6"	267	650	279	84
8"	292	800	342	144
10"	330	1070	406	219
12"	356	1200	482	317
14"	381	1320	533	403
16"	407	1450	596	457
18"	432	1300	635	668
20"	457	1780	698	894
24"	508	2200	813	1150

Hydrostatic test

shell		seat		Pneumatic test	
bars	psig	bars	psig	bars	psig
30	435	23	335	5,6	80

VALVE

Ball, Butterfly, Check, Gate, Globe

1. Design & Manufacture: ANSI B16.34, BS 1873
2. OS&Y Construction, Bolted Bonnet (B.B)
3. Size Range of Valve: 1/2" to 80"
4. Pressure Ratings: ANSI 150LB, 2500LB
5. End Connections: Butt Weld, Flanged RF & RTJ, Lug Type, Screwed Socket Weld, Socket Weld/Screwed.
6. Materials Available in: WCB, LCB, CF8, CF8M, CF3, CF3M, 4A, 5A WC6, WC9, C5, C12 or Equivalent
7. Various Trim Materials are Available to Suit Service Conditions
8. Actuator: Handwheel, Gear Operated
9. NACE MR 0175 on Request

Product Range:

Body material: stainless steel, carbon steel, forged steel, alloy steel

Nominal diameter: 1/2"~80"

Pressure range: Class 150~2500

End connection: RF, RTJ, BW

Working temperature: -46c~2500c

Operation: Handwheel, Gear Box, Electric Actuator, etc.



BALL VALVE
1000 WOG



BALL VALVE BRASS



BALL VALVE C.S
CL800 S.W.BW.THR



BALL VALVE C.S
FLG CL150-2500



BALL VALVE C.S
PN40-80



BALL VALVE FLANGED
S.S CL150-2500



BALL VALVE S.S
1000-2000WOG



BALL VALVE S.S
BW&SW

VALVE



BALL VALVE
C.S 2000PSI



WAY BALL VALVE-3



WAFER BALL VALVE
S.S DIRECT MOUNTING PAD



HEX BALL VALVE
S.S 1000-3000WOG



HEX BALL VALVE
S.S 2000-6000PSI



GLOBE VALVE FLG
C.S CL150-2500



GLOBE VALVE FLG
BRASS



GLOBE VALVE S.S
CL150-2500



GLOBE VALVE BRASS



GLOBE VALVE C.S
CL800 SW.BW.THR



CHECK VALVE S.S
CL150-2500



CHECK VALVE S.S



CHECK VALVE FLG
C.S CL150-2500



CHECK VALVE C.S
CL800 S.W-BW.THR



LIFE CHECK
VALVE Pn16



BUTTERFLY VALVE
C.S CL150-300

VALVE



BUTTERFLAY VALVE
S.S. FLG-BW



BUTTERFLY VALVE
S.S. PN10-16 CL150-300



GATE VALVE BRASS



GATE VALVE C.S
FLG CL150-2500



STRAINER S.S
CL150-300



STRAINER S.S



STERAINER VALVE
C.S. CL800 THR-SW



STERAINER VALVE
C.S. FLG CL150-300



STERAINER VALVE
CAST IRON



SAFETY VALVE



SAFETY VALVE BRASS



B W SIGHT
GLASS S.S



BUTTERFLY VALVE
PLASTIC HANDLE S.S



BW BUTTERFLY
VALVE



CLAMP CHECK
VALVE S.S



CLAMP CHECK
VALVS S.S

FITTINGS

BUTTWELD FITTINGS - Caps, Crosses, Elbows, Concentric/Eccentric Reducers
Stub-Ends, Tees Seamless - DSAW, EFW, ERW, and Forged
Sizes: 1/4" - 80"

Wall Thickness available:

Wall Thickness available:

Dimensions: ANSI, ASME, BS 1640, B16.9, B16.25, B16.28

Material Grades	
Alloy Steel	A234 WP1, WP5, WP9, WP11, WP12, WP22, Wp91
Aluminium	5083, 5154, 5251, 6061, 6063, 6082
Carbon Steel	A234 WPB, WPC
Duplex & Super Duplex	A815 UNS31803, UNS31254, UNS S32750 & S32760
High Alloys	ALLOY 20, ALLOY C, ALLOY C276, ALLOY B2
High Yield	WPHY42, 52, 60, 65, 70
Low Temperature Steel	A420 WPL3, WPL6
Nickel Alloys	200, 400, K500, 600, 625, 800, 825
Stainless Steel	A403 304/L, 310, 316/L, 316Ti, 321/H, 347/H, 410, 440, 904L



ELBOW 90 ^ BUTT
WELD C.S



ELBOW 45 ^ BUTT
WELD C.S



TEE REDUCER BATT
WELD C.S



REDUCER ECC BATT
WELD C.S



REDUCER BATT
WELD C.S



ELBOW 90 ^ BUTT
WELD S.S



ELBOW 45 ^ BUTT
WELD S.S



ELBOW 180^ BUTT
WELD S.S

FITTINGS



TEE REDUCER BATT
WELD S.S



REDUCER ECC BATT
WELD S.S



REDUCER BATT
WELD S.S



ELBOW CI3000
SW S.S



ELBOW 45 ^ CI3000
SW S.S



STREET ELBOW



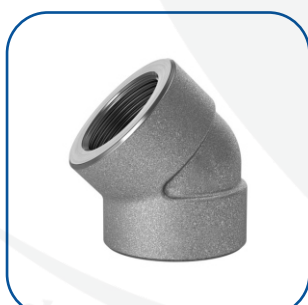
TEE CL3000 THR S.S



TEE CL3000 SW S.S



ELBOW 90 ^ CI3000
THR A 105



ELBOW 45 ^ CI3000
THR A 105



TEE CL3000 THR
& SW A105



CAP WELD



ROND CAP S.S&C.S



BARREL NIPPLE



UNION CL3000 SW
& THR S.S



UNION CL3000 SW
& THR C.S A105

INDUSTRIAL PIPE FITTINGS

Screwed Low Pressure "150lb" BSP 304 & 316 Fittings



ELBOW INDUSTRIAL S.S



TEE INDUSTRIAL S.S



CROSS S.S



REDUCER



ELBOW 90 ^



ELBOW 90 ^ CL 150
THR S.S



ELBOW 45^ THR-SW



TEE CL150 THR S.S



CROSS CL150 THR S.S



UNION SW&THR S.S



SMS UNION S.S



HEX Female
NPTF CAP



HEX PLUG NPT
MALE CAP



ROUND CAP S.S&C.S



HEX NIPPLE S.S



CLAMP UNION



B W SIGHT
GLASS S.S



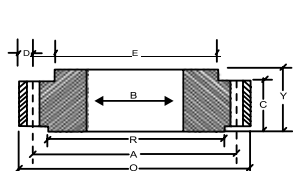
CLEANING
BALL S.S



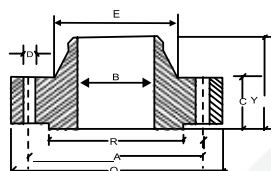
PIPE CLAMP 2 BOLT

STAINLESSS STEEL FITTINGS

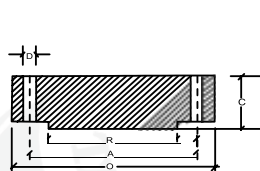
FORGED FLANGES TO ANSI B 16.5 (ASA 150 / 300 LBS)



SLIP-ON FLANGE



WELDING NECK FLANGE



BLIND FLANGE



150 LBS

Nominal Pipe Size (MM) (INCH.)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk. of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F
							S/O & SW Y	W/N Y	L/J Y	S/O & SW B	L/J B		
15	1/2	88.9	60.3	15.9	4	11.1	15.9	47.6	15.9	22.3	22.9	34.9	9.5
20	3/4	98.4	69.8	15.9	4	12.7	15.9	52.4	15.9	27.7	28.2	42.9	11.1
25	1	107.9	79.4	15.9	4	14.3	17.5	55.6	17.5	34.5	35.0	50.8	12.7
32	1 1/4	117.5	88.9	15.9	4	15.9	20.6	57.1	20.6	43.2	43.7	63.5	14.3
40	1 1/2	127.0	98.4	15.9	4	17.5	22.2	61.9	22.2	49.5	50.0	73.0	15.9
50	2	152.4	120.6	19.0	4	19.0	25.4	63.5	25.4	62.0	62.5	92.1	17.5
65	2 1/2	177.8	139.7	19.0	4	22.2	28.6	69.8	28.6	74.7	75.4	104.8	19.0
80	3	190.5	152.4	19.0	4	23.8	30.2	69.8	30.2	90.7	91.4	127.0	20.6
100	4	228.6	190.5	19.0	8	23.8	33.3	76.2	33.3	116.1	116.8	157.2	23.8
125	5	254.0	215.9	22.2	8	23.8	36.5	88.9	36.5	143.8	144.5	185.7	23.8
150	6	279.4	241.3	22.2	8	25.4	39.7	88.9	39.7	170.7	171.4	215.9	27.0
200	8	342.9	298.4	22.2	8	28.6	44.4	101.6	44.4	221.5	222.2	269.9	31.7
250	10	406.4	361.9	25.4	12	30.2	49.2	101.6	49.2	276.3	277.4	323.8	33.3
300	12	482.6	431.8	25.4	12	31.8	55.6	114.3	55.6	327.1	328.2	381.0	39.7
350	14	533.4	476.2	28.6	12	34.9	57.1	127.0	79.4	359.1	360.2	412.7	41.3
400	16	596.9	539.7	28.6	16	36.5	63.5	127.0	87.3	410.5	411.2	469.9	44.4
450	18	635.0	577.8	31.7	16	39.7	68.3	139.7	96.8	461.8	462.3	533.4	49.2
500	20	698.5	635.0	31.7	20	42.9	73.0	144.5	103.2	513.1	514.3	584.2	54.0
600	24	812.8	749.3	34.9	20	47.6	82.5	152.4	111.1	615.9	615.9	692.1	63.5

300 LBS

Nominal Pipe Size (MM) (INCH.)	Flange Dia O	Dia of Bolt Circle A	Dia of Bolt Holes D	No. of Holes	Thk. of Flange C	Dia of Hub E	Length through Hub			Dia of Bore		Dia of R/F R	Depth of Socket F
							S/O & SW Y	W/N Y	L/J Y	S/O & SW B	L/J B		
15	1/2	95.2	66.7	15.9	4	14.3	22.2	52.4	22.2	22.3	22.9	34.9	9.5
20	3/4	117.5	82.5	19.0	4	15.9	25.4	57.1	25.4	27.7	28.2	42.9	11.1
25	1	123.8	88.9	19.0	4	17.5	27.0	61.9	27.0	34.5	35.0	50.8	12.7
32	1 1/4	133.3	98.4	19.0	4	19.0	27.0	65.1	27.0	43.2	43.7	63.5	14.3
40	1 1/2	155.6	114.3	22.2	4	20.6	30.2	68.3	30.2	49.5	50.0	73.0	15.9
50	2	165.1	127.0	19.0	8	22.2	33.3	69.8	33.3	62.0	62.5	92.1	17.5
65	2 1/2	190.5	149.2	22.2	8	25.4	38.1	76.2	38.1	74.7	75.4	104.8	19.0
80	3	209.5	168.3	22.2	8	28.6	42.9	79.4	42.9	90.7	91.4	127.0	20.6
100	4	254.0	200.0	22.2	8	31.8	47.6	85.7	47.6	116.1	116.8	157.2	23.8
125	5	279.4	234.9	22.2	8	34.9	50.8	98.4	50.8	143.8	144.5	185.7	-
150	6	317.5	269.9	22.2	12	36.5	52.4	98.4	52.4	170.7	171.4	215.9	-
200	8	381.0	330.2	25.4	12	41.3	61.9	111.1	61.9	221.5	222.2	269.9	-
250	10	444.5	387.3	28.6	16	47.6	66.7	117.5	95.2	276.3	277.4	323.8	-
300	12	520.7	450.8	31.7	16	50.8	73.0	130.2	101.6	327.1	328.2	381.0	-
350	14	584.2	514.3	31.7	20	54.0	76.2	142.9	111.1	359.1	360.2	412.7	-
400	16	647.7	571.5	34.9	20	57.2	82.5	146.0	120.6	410.5	411.2	469.9	-
450	18	711.2	628.5	34.9	24	60.3	88.9	158.7	130.2	461.8	462.3	533.4	-
500	20	774.7	685.8	34.9	24	63.5	95.2	161.9	139.7	513.1	514.3	584.2	-
600	24	914.4	812.8	41.3	24	69.8	106.4	168.3	152.4	615.9	615.9	692.1	-

All Dimensions are in Millimeters. Flanges except Lap Joint will be furnished with (1.6) Raised Face, which is included in "Thickness(C)" and "Length through Hub(Y)"

STAINLESSS STEEL & CARBON STEEL FLANGE

TAJHIZ SANAT BORNA provide high quality, various specifications and different materials of the flange and fittings, our customers all over Iran.

But also for customers to customize the special requirements of large-size flange. I provide the flange all meet the ISO requirements, but also provide a real material report, we are responsible for every customer.

Flange standard

Ansi 150Lb Ansi 300Lb

socket Welding Flange
Welding plate Flange
Flange Facing
InJoint Face
Lapped Pipe End
Slip-on Flange
Blind Flange
Welding Neck Flange

Flange standard

American Standard pipe SCH5-SCH80

Types of Gaskets

There are three types of gaskets used in process piping.

Non-Metallic
Metallic
Composite

Non-Metallic	Metallic – Ring Gasket	Composite
Compressed Non-Asbestos Fibre Gasket (CNAF)	Oval Ring Gasket	Spiral Wound Gaskets
PTFE Gasket	Octagonal Ring Gasket	Camprofile Gaskets
Rubber Gasket		Metal Jacketed Gasket



STAINLESSS STEEL FITTINGS

TAJHIZ SANAT BORNA extensiv range of Stainless Steel tube.

Fittings is superior quality which comprises of male connectors, equal T connector and union elbow. These stainless Steel Tube Fittings are prepared and fabricated using dupreme quality raw materials which can be customized as per our clients requirements. we provide durable and corrosion resistance Stainless Steel Tube Fittings with high performing ability. Thus, the Stainless Steel Tube Fittings offered by us are highly appreciated and extensively used by our clients, world wide.

Fetures:

High performance
Corrosion resistant
long lasting

Available in size: 1/16 - 2 in (2mm to 50mm)

End Connections: NAILOK Compression, MNPT, FNPT, JIC
Tube Stub, BSPP, BSPT, pipe weld, Tube Buttweld, Tube
socket weld

materials: 316ss, 316LSS, Alloy 400, Alloy 600, Alloy 625,
Alloy c-276, Aluminum, Duplex 2205, Duplex 2507,
Titanium.

provide high reliable, leak proof and torque free seal on all
tubing connections.



STAINLESS STEEL & CARBON STEEL

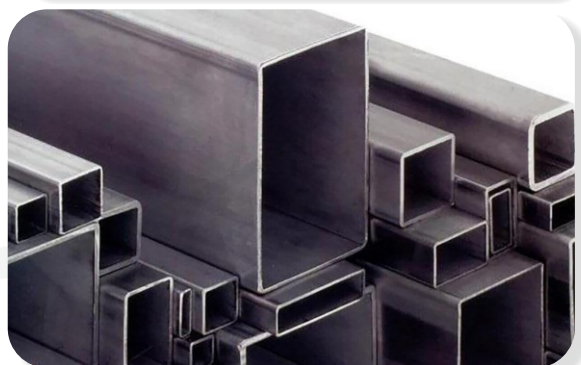
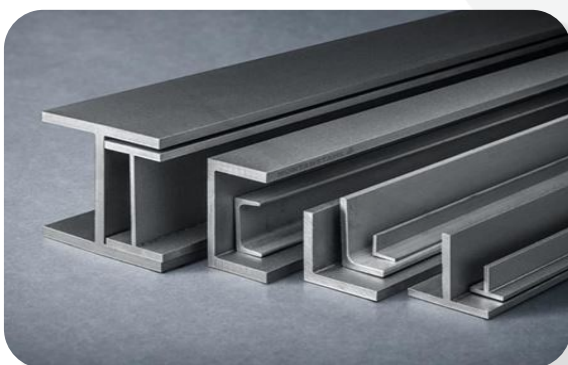
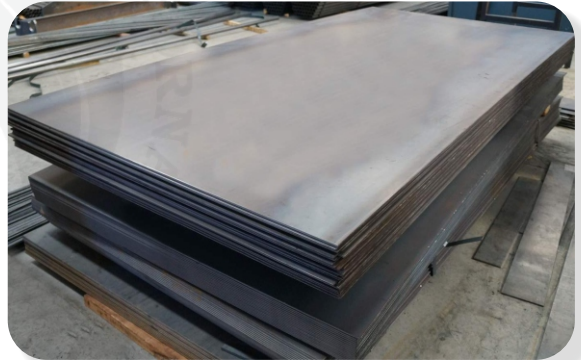
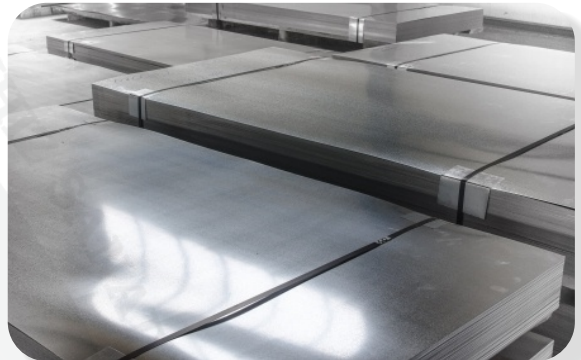
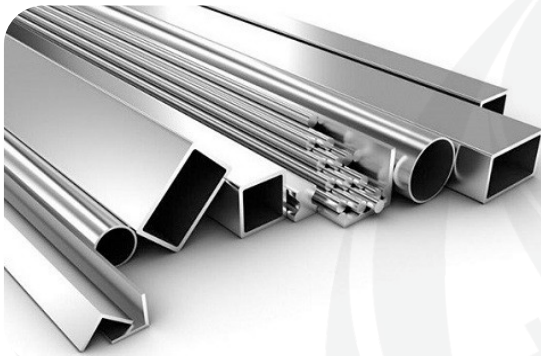
Materials Available in:

Sheet irons: ST 37 - ST 37-2 - A516 GR 60,70 - Mo40

Sheet stainless steel: 304L-316L-321

Alloy: MO45-CK45-ST35/8

Steel profiles & rod & hexagon: 201-304-316





STANDARD PIPE TABLE

NOMINAL PIPE SIZE INCH	OD MM	ASME B36.10 ابعاد لوله های بدون درز فولادی استاندارد												ASME B36.19 ابعاد لوله های بدون درز استیل				
		10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	5S	10S	40S	80S
F	10.3	1.24 0.28	W.Thick WT/mtr	1.45 0.32	1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47							1.24 0.28	1.73 0.36	2.41 0.48
1/4	13.70	1.65 0.49		1.85 0.54	2.24 0.63	2.24 0.63		3.02 0.8	3.02 0.8							1.65 0.51	2.24 0.64	3.02 0.82
F	17.1	1.65 0.63		1.85 0.7	2.31 0.84	2.31 0.84		3.2 1.1	3.2 1.1							1.65 0.64	2.31 0.86	3.2 1.12
1/2	21.3	2.11 1		2.41 1.12	2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.55	1.65 0.82	2.11 1.01	2.77 1.3	3.73 1.65
3/4	26.7	2.11 1.28		2.41 1.44	2.87 1.69	2.87 1.69		3.91 2.2	3.91 2.2				5.56 2.9	7.82 3.64	1.65 1.04	2.11 1.31	2.87 1.71	3.91 2.24
1	33.4	2.77 2.09		2.9 2.18	3.38 2.5	3.38 2.5		4.55 3.24	4.55 3.24				6.35 4.24	9.09 5.45	1.65 1.33	2.77 2.13	3.38 2.55	4.55 3.29
1 1/4	42.2	2.77 2.7		2.97 2.87	3.56 3.39	3.56 3.39		4.85 4.47	4.85 4.47				6.35 5.61	9.7 7.77	1.65 1.68	2.77 2.76	3.56 3.46	4.85 4.56
1 1/2	48.3	2.77 3.11		3.18 3.53	3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.25	10.15 9.56	1.68 1.95	2.77 3.17	3.68 4.13	5.08 5.51
2	60.3	2.77 3.93		3.18 4.48	3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.11	11.07 13.44	1.65 2.44	2.77 4.01	3.91 5.54	5.54 7.63
2 1/2	73	3.05 5.26		4.78 8.04	5.16 8.63	5.16 8.63		7.01 11.41	7.01 11.41				9.53 14.92	14.02 20.39	2.11 3.77	3.05 5.36	5.16 8.81	7.01 11.64
3	88.9	3.05 6.45		4.78 9.92	5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27				11.13 21.35	15.24 27.68	2.11 4.6	3.05 6.59	5.49 11.52	7.62 15.59
3 1/2	101.6	3.05 7.4		4.78 11.41	5.74 13.57	5.74 13.57		8.08 18.63	8.08 18.63						2.11 5.29	3.05 7.55	5.74 13.84	8.08 19.01
4	114.3	3.05 8.36		4.78 12.91	6.02 16.07	6.02 16.07		8.56 22.32	8.56 22.32				13.49 33.54	17.12 41.03	2.11 5.96	3.05 8.52	6.02 16.4	8.56 22.77
5	141.3	3.4 11.57			6.55 21.77	6.55 21.77		9.53 30.97	9.53 30.97		11.13			15.88 48.11	19.05 57.43	2.77 9.67	3.4 11.82	9.53 31.59
6	168.3	3.4 13.84			7.11 28.26	7.11 28.26		10.97 42.56	10.97 42.56				14.27 54.2	18.26 67.56	2.77 11.55	3.4 14.13	7.11 28.83	10.97 43.42
8	219.1	3.76 19.96	6.35 33.31	7.04 36.81	8.18 42.55	8.18 42.55	10.31 53.08	12.7 64.64	12.7 64.64	15.09 75.92	18.62 90.44	20.62 100.92	23.01 111.27	22.23 107.92	2.77 15.09	3.76 20.37	8.18 43.39	12.7 65.59
10	273.1	4.19 27.78	6.35 41.77	7.8 51.03	9.27 60.31	9.27 60.31	12.7 81.55	12.7 81.55	15.09 96.01	18.26 114.75	21.44 133.06	25.4 155.15	28.58 172.33	25.4 155.15	3.4 23.08	4.19 28.34	9.27 61.52	12.7 83.19
12	323.9	4.57 36	6.35 49.73	8.38 65.2	9.53 73.88	9.53 73.88	10.31 108.96	12.7 97.46	12.7 97.46	17.48 132.08	21.44 159.91	25.4 186.97	28.58 208.14	25.4 186.97	3.96 31.89	4.57 36.73	9.52 75.52	12.7 99.43
14	355.6	6.35 54.69	7.92 67.92	9.53 81.33	9.53 81.33	11.13 94.55	15.99 126.71	12.7 107.39	12.7 107.39	19.05 158.1	23.83 194.96	27.79 224.65	31.75 253.56	35.71 281.7	3.96 35.6	4.78 42.14		
16	406.4	6.35 62.64	7.92 77.83	9.53 93.27	9.53 93.27	12.7 123.3	16.66 160.12	12.7 123.3	12.7 123.3	21.44 203.53	26.19 245.56	30.96 286.64	36.53 333.19	40.49 365.35	4.19 42.41	4.78 48.26		
18	457	6.35 70.57	9.53 87.71	12.7 122.38	9.53 105.16	9.53 105.16	14.27 155.8	12.7 205.74	12.7 205.74	23.88 139.15	29.36 254.55	34.93 309.62	39.67 363.56	45.24 408.26	4.19 47.77	4.78 60.46		
20	508	6.35 78.55	9.53 117.15	12.7 155.12	9.53 117.15	12.7 183.42	15.09 247.83	12.7 155.12	12.7 155.12	26.19 311.17	32.54 381.53	38.1 441.49	44.45 508.11	50.01 564.81	4.78 60.46	5.54 70		
22	559	6.35 86.54	9.53 129.13	12.7 171.09	9.53 129.13	12.7 193.53	22.23 294.27	12.7 171.09	12.7 171.09	28.58 373.83	34.93 451.42	41.28 527.02	47.63 600.63	53.98 672.26	4.78 66.57	5.54 77.06		
24	610	6.35 94.53	9.53 141.12	14.27 209.64	9.53 141.12	14.27 255.41	17.48 355.26	12.7 187.06	12.7 187.06	30.96 442.08	38.89 547.71	46.02 640.03	52.37 720.15	59.54 808.22	5.54 84.16	6.35 96.37		
26	660	7.92 127.36	12.7 202.72		9.53 152.87			12.7 202.72										
28	711	7.92 137.32	12.7 218.69	15.88 271.21	9.53 164.85			12.7 218.69							6.35 120.72	7.92 150.36		
30	762	7.92 147.32	12.7 234.67	15.88 292.18	9.53 176.84			12.7 234.67										
32	813	7.92 15.24	12.7 250.64	15.88 312.15	9.53 188.82	17.48 342.91		12.7 250.64										
34	864	7.92 167.2	12.7 266.61	15.88 332.12	9.53 200.31	17.48 364.9		12.7 266.61										
36	914	7.92 176.96	12.7 282.27	15.88 351.7	9.53 212.56	19.05 420.42		12.7 282.27										
38	965				9.53 224.54			12.7 298.24										
40	1016				9.53 236.53			12.7 314.22										
42	1067				9.53 248.52			12.7 330.19										
44	1118				9.53 260.50			12.7 346.16										
46	1168				9.53 272.25			12.7 351.82										
48	1219				9.53 284.24			12.7 377.79										



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Tehran, Iran

STAINLESS STEEL & CARBON STEEL PIPE

PIPES - Seamless,
Sizes: 1/2" - 24"

PIPES - ERW, FW, SAW, DSAW and Forged
Sizes: 1/2" - 80"

Wall Thickness available:

Schedule 5 - Schedule XXS (heavier on request)

Material Grades	
Alloy Steel	A335 P1, P5, P9, P11, P12, P22, P91
Aluminium	5083, 5154, 5251, 6061, 6063, 6082
Carbon Steel	A106Gr.B/C, API 5L Gr.B
Duplex & Super Duplex	UNS S31254, UNS S31803, UNS S32750 & S32760
High Alloys	ALLOY 20, ALLOY C, ALLOY C276, ALLOY B2
High Yield	API 5L X42, X52, X60, X65, X70
Low Temperature Steel	A333Gr.3/6
Nickel Alloys	200, 400, K500, 600, 625, 800, 825
Stainless Steel	A312 304/L, 310, 316/L, 316Ti, 321/H, 347/H, 410, 440, 904L



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