

**CVTECH TECHNOLOGY CORPORATION** send greetings and best wishes to health.

CVTECH was established in 2017 and started operating strongly in the field of M&E, with a team of engineers, skilled workers, we have participated in large projects implemented such as: Rivera Building Park Thanh Thai (District 10, Ho Chi Minh City, Vietcomreal Apartment (District 5, HCMC), An Binh Hospital (District 5, HCMC), BCONS Mien Dong Building, Suoi Tien (District 9, HCMC)) BCONS Tan Hoa Building, (Di An, Binh Duong), Unile-ver (HCMC), Ocean Gate Building (Nha Trang) Lan Anh Hotel (Nha Trang), Alma Resort Cam Ranh (Bãi Dài, Khánh Hòa)

2018: CVTECH specializes in importing and distributing steel pipes, conduit and valves.

In 2020: CVTECH continues to expand the production of steel pipe fittings products: Elbows, Reducers, Flanges, ...

Besides, CVTECH is increasingly developing in both domestic and international trade, specializing in supplying all kinds of pressure accessories.

We are committed to being a professional partner to bring benefits to your company in the process of cooperation with suitable products, meeting quality standards, best prices, reasonable solutions, fastest time, present nationwide. We believe in the companionship of associates and partners, always aiming to put work first. That certainly brings success to all of us.

Best regards,

### Introduction





### **PIPE FITTINGS**



**FLANGES** 



**VALVES** 



### **PIPES**



# STUD BOLTS AND GASKETS



















### **STANDARDS**







NOM PIPE	IINAL SIZE		OUTSIDE DIAMETER								NOMINA	L WALL T	HICKNES	5					
Α	В	ASME	JIS	DIN	JIS (1)	DIN(2)	SCH10	SCH20	sсн30	STD	SCH40	SCH60	xs	SCH80	SCH100	SCH120	SCH140	SCH160	xxs
15	1/2"	21.3	21.7	21.3	2.8	2.0	2.11	-	2.41	2.77	2.77	-	3.73	3.73				4.78	7.47
20	3/4"	26.7	27.2	26.9	2.8	2.3	2.11	-	2.41	2.87	2.87	-	3.91	3.91	-	-		5.56	7.82
25	1"	33.4	34.0	33.7	3.2	2.6	2.77	-	2.90	3.38	3.38	-	4.55	4.55	-	-		6.35	9.09
32	1.1/4"	42.2	42.7	42.4	3.5	2.6	2.77	-	2.97	3.56	3.56	-	4.85	4.85	-	-		6.35	9.70
40	1.1/2"	48.3	48.6	48.3	3.5	2.6	2.77	-	3.18	3.68	3.68	-	5.08	5.08				7.14	10.15
50	2"	60.3	60.5	60.3	3.8	2.9	2.77	-	3.18	3.91	3.91	-	5.54	5.54				8.74	11.07
65	2.1/2"	73.0	76.3	76.1	4.2	2.9	3.05	-	4.78	5.16	5.16	-	7.01	7.01	-			9.53	14.02
80	3"	88.9	89.1	88.9	42	3.2	3.05	-	4.78	5.49	5.49	-	7.62	7.62				11.13	15.24
100	4"	114.3	114.3	114.3	4.5	3.6	3.05	-	4.78	6.02	6.02	-	8.56	8.56	-	11.13		13.49	17.12
125	5"	141.3	139.8	139.7	4.5	4.0	3.40	-	-	6.55	6.55	-	9.53	9.53	-	12.70		15.88	19.05
150	6"	168.3	165.2	188.3	5.0	4.5	3.40	4.5	-	7.11	7.11	-	10.97	10.97		14.27		18.26	21.95
200	8"	219.1	216.3	219.1	5.8	6.3	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23
250	10"	273.0	267.4	273.0	6.6	6.3	4.19	6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
300	12"	323.8	318.5	323.9	6.9	7.1	4.57	6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32	25.40



# PIPE FITTINGS



























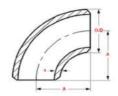


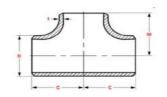




### **Butt-Weld 90 LR Elbow, Equal Tee accordance to ASME B16.9 Specification**





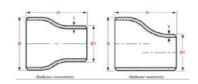




Si	ize	O.D	Dimension A	Schedule	Wall Thickness	Weight	Si	ize	Outside Dia.	Dimension	Schedule	Wall Thickness	Weight
NPS	Inch	(mm)	(mm)	(SCH)	t (mm)	(kg)	NPS	Inch	D (mm)	C = M (mm)	(SCH)	t (mm)	(kg)
				5S	1.65	0.05					5S	1.65	0.05
				10S	2.11	0.06					10S	2.11	0.06
DN15	1/2"	Ø21.3	38	40S/STD/40	2.77	0.08	DN15	1/2"	Ø21.3	25	40S/STD/40	2.77	0.08
				80S/XS/80	3.73	0.1					80S/XS/80	3.73	0.1
				160	4.78	0.11					160	4.78	0.12
				XXS	7.47	0.15					XXS	7.47	0.16
				55	1.65	0.06					55	1.65	0.08
				105	2.11	0.08					105	2.11	0.09
DN20	3/4"	Ø26.7	38	40S/STD/40	2.87	0.1	DN20	3/4"	Ø26.7	29	40S/STD/40	2.87	0.13
				80S/XS/80	3.91	0.13					80S/XS/80	3.91	0.16
				160	5.56	0.17					160	5.56	0.21
				XXS	7.82	0.22					XXS	7.82	0.27
				5S	1.65	0.08					5S	1.65	0.13
				105	2.77	0.13					105	2.77	0.21
DN25	1"	Ø33.4	38	40S/STD/40	3.38	0.15	DN25	1"	Ø33.4	38	40S/STD/40	3.38	0.24
				80S/XS/80	4.55	0.19					80S/XS/80	4.55	0.31
				160	6.35	0.25					160	6.35	0.41
				XXS	9.09	0.33					XXS	9.09	0.53
				5S	1.65	0.12					5S	1.65	0.2
				105	2.77	0.21					105	2.77	0.33
DN32	1-1/4"	Ø42.2	48	40S/STD/40	3.56	0.26	DN32	1-1/4"	Ø42.2	48	40S/STD/40	3.56	0.42
				80S/XS/80	4.85	0.34					80S/XS/80	4.85	0.55
				160	6.35	0.43					160	6.35	0.69
				XXS	9.7	0.59					XXS	9.7	0.96
				5S	1.65	0.17					5S	1.65	0.28
				105	2.77	0.28					105	2.77	0.46
DN40	1-1/2"	Ø48.3	57	40S/STD/40	3.68	0.36	DN40	1-1/2"	Ø48.3	57	40S/STD/40	3.68	0.6
				80S/XS/80	5.08	0.49					80S/XS/80	5.08	0.8
				160	7.14	0.65					160	7.14	1.06
				XXS	10.15	0.86					XXS	10.15	1.41
				5S	1.65	0.28					5S	1.65	0.39
				10S	2.77	0.47					105	2.77	0.64
DN50	2"	Ø60.3	76	40S/STD/40	3.91	0.65	DN50	2"	Ø60.3	64	40S/STD/40	3.91	0.88
				80S/XS/80	5.54	0.89					80S/XS/80	5.54	1.2
				160	8.74	1.32					160	8.74	1.79
			-	XXS	11.07	1.61					XXS	11.07	2.18
				5S	2.11	0.55					5S	2.11	0.7
				10S	3.05	0.77					105	3.05	0.99
DN65	2-1/2"	Ø73.0	95	40S/STD/40	5.16	1.3	DN65	2-1/2"	Ø73.0	76	40S/STD/40	5.16	1.66
				80S/XS/80	7.01	1.7					80S/XS/80	7.01	2.18
				160	9.53	2.22					160	9.53	2.85
			-	XXS	14.02	3.04					XXS	14.02	3.9
				5S	2.11	0.8					5S	2.11	0.96
				105	3.05	1.14					105	3.05	1.36
DN80	3"	Ø88.9	114	40S/STD/40	5.49	2.02	DN80	3"	Ø88.9	86	40S/STD/40	5.49	2.42
				80S/XS/80	7.62	2.73					80S/XS/80	7.62	3.25
				160	11.13	3.81					160	11.13	4.55
	]			XXS	15.24	4.94	][	]			XXS	15.24	5.9

### **Butt-Weld Con/Ecc Reducer accordance to ASME B16.9 Specification**







Size	Outside Dia. D (mm)	Outside Dia. D1 (mm)	Dimension H (mm)	Schedule (SCH)	Wall Thk. t (mm)	Weight (kg)	Size	Outside Dia. D (mm)	Outside Dia. D1 (mm)	Dimension H (mm)	Schedule (SCH)	Wall Thk. t (mm)	Weight (kg)
NPS				Scriedule (SCH)			NPS				scriedule (SCH)		
				105	2.11	0.04					105	3.05	0.74
DN20x15	Ø26.7	Ø21.3	38	40S/STD/40	2.87	0.06	DN100x80	Ø114.3	Ø88.9	102	40S/STD/40	6.02	1.39
				80S/XS/80	3.91	0.07					80S/XS/80	8.56	1.92
				105	2.77	0.1					105	3.05	0.68
DN25x20	Ø33.4	Ø26.7	51	40S/STD/40	3.38	0.11	DN100x65	Ø114.3	Ø73.0	10	40S/STD/40	6.02	1.26
				80S/XS/80	4.55	0.14					80S/XS/80	8.56	1.72
				105	2.77	0.09					105	3.05	0.62
DN25x15	Ø33.4	Ø21.3	51	40S/STD/40	3.38	0.1	DN100x50	Ø114.3	Ø60.3	102	40S/STD/40	6.02	1.09
				80S/XS/80	4.55	0.12					80S/XS/80	8.56	1.52
				10S	2.77	0.12					105	3.4	1.26
DN32x25	Ø42.2	Ø33.4	51	40S/STD/40	3.56	0.15	DN125x100	Ø141.3	Ø114.3	127	40S/STD/40	6.55	2.41
				80S/XS/80	4.85	0.2					80S/XS/80	9.53	3.38
				105	2.77	0.1					105	3.4	1.14
DN32x20	Ø42.2	Ø26.7	51	40S/STD/40	3.56	0.13	DN125x80	Ø141.3	Ø88.9	127	40S/STD/40	6.55	2.11
				80S/XS/80	4.85	0.17					80S/XS/80	9.53	2.93
				105	2.77	0.09					105	3.4	1.06
DN32x15	Ø42.2	Ø21.3	51	40S/STD/40	3.56	0.12	DN125x65	Ø141.3	Ø73.0	127	40S/STD/40	6.55	1.94
				80S/XS/80	4.85	0.16					80S/XS/80	9.53	2.68
				105	2.77	0.19					105	3.4	1.78
DN40x32	Ø48.3	Ø42.2	64	40S/STD/40	3.68	0.24	DN150X125	Ø168.3	Ø141.3	140	40S/STD/40	7.11	3.51
				80S/XS/80	5.08	0.32					80S/XS/80	10.97	5.15
				105	2.77	0.17					105	3.4	1.54
DN40x25	Ø48.3	Ø33.4	64	40S/STD/40	3.68	0.21	DN150X100	Ø168.3	Ø114.3	140	40S/STD/40	7.11	3.1
				80S/XS/80	5.08	0.28					80S/XS/80	10.97	4.56
				105	2.77	0.14					105	3.4	1.41
DN40x20	Ø48.3	Ø26.7	64	40S/STD/40	3.68	0.18	DN150X80	Ø168.3	Ø88.9	140	40S/STD/40	7.11	2.77
				80S/XS/80	5.08	0.24					80S/XS/80	10.97	4.05
				105	2.77	0.27					105	3.76	2.58
DN50x40	Ø60.3	Ø48.3	76	40S/STD/40	3.91	0.36	DN200x150	Ø219.1	Ø168.3	152	40S/STD/40	8.18	5.39
				80S/XS/80	5.54	0.49					80S/XS/80	12.7	8.16
				105	2.77	0.25					105	3.76	2.41
DN50x32	Ø60.3	Ø42.2	76	40S/STD/40	3.91	0.34	DN200x125	Ø219.1	Ø141.3	152	40S/STD/40	8.18	4.91
				80S/XS/80	5.54	0.45					80S/XS/80	12.7	7.26
				105	2.77	0.23					105	3.76	2.16
DN50x25	Ø60.3	Ø33.4	76	40S/STD/40	3.91	0.3	DN200x100	Ø219.1	Ø114.3	152	40S/STD/40	8.18	4.46
				80S/XS/80	5.54	0.4					80S/XS/80	12.7	6.62
				105	3.05	0.41					105	4.19	4.27
DN65x50	Ø73.0	Ø60.3	89	40S/STD/40	5.16	0.63	DN250x200	Ø273.1	Ø219.1	178	20	6.35	6.73
				80S/XS/80	7.01	0.84					40S/STD/40	9.27	9.18
				105	3.05	0.37	DN250x150	Ø273.1	Ø168.3	178	105	4.19	3.71
DN65x40	Ø73.0	Ø48.3	89	40S/STD/40	5.16	0.57					40S/STD/40	9.27	7.9
				80S/XS/80	7.01	0.75	DN250x125	Ø273.1	Ø141.3	178	105	4.19	3.51
				105	3.05	0.35					40S/STD/40	9.27	7.34
DN65x32	Ø73.0	Ø42.2	89	40S/STD/40	5.16	0.54					105	4.57	6.5
				80S/XS/80	7.01	0.71	DN300x250	Ø323.9	Ø273.1	203	20	6.35	9.36
				105	3.05	0.51					STD	9.53	13.62
DN80x65	Ø88.9	Ø73.0	89	40S/STD/40	5.49	0.89	-	-			40	10.31	14.23
	-	-	1	80S/XS/80	7.62	1.19					105	4.57	5.72
DN80x50	Ø88.9	Ø60.3	89	105	3.05 5.49	0.46	DN300x200	Ø323.9	Ø219.1	203	20	6.35 9.53	8.49
DINBUXSU	W68.9	W0U.3	07	40S/STD/40	7.62	1.01					STD 40	9.53	11.8
	1	-	1	80S/XS/80	3.05	0.42		-				4.57	5.08
DN80x40	Ø88.9	Ø48.3	89	10S 40S/STD/40	5.49	0.42	DN300x150	Ø323.9	Ø168.3	203	10S STD	9.53	10.34
DINOUNHU	200.5	D-10.3		405/STD/40 805/XS/80	7.62	0.92	5143008130	20,223.3	£100.3		40	10.31	10.34
	1	<u> </u>	1	003/83/80	7.02		ype: Butt-weld end	<u> </u>			+0	10.31	10.53

Connection Type: Butt-weld end
 Standard: ASME/ ANSI 816.9, JIS,
 Material: A234, S3304, S3316.,
 Thickness (SCH): 55, 105, STD(A4, 405, X/50,805, 120, 160, XXS....
 Size: 1/2" - 24"
 Origin: Vietnam, China, Taiwan, Korea, Malaysia, Thailand, G7

#### FORGED HIGH PRESSURE PIPE FITTINGS



**45 ELBOW** 

SOCKOLET



90 ELBOW

UNION



**FULL COUPLING** 



HALF COUPLING

**EQUAL TEE** 



**ROUND CAP** 

REDUCING TEE





BW







REDUCER INSERT





BOSS

ECC. SWAGE NIPPLE

#### NPT



90 ELBOW



**HEXAGON PLUG** 



45 ELBOW



**EOUAL TEE** 



REDUCING TEE



REDUCING COUPLING



CONCENTRIC SWAGE NIPPLE



ECCENTRIC SWAGE NIPPLE



HALF COUPLING



THREADOLETS



BOSS



**FULL COUPLING** 



**ROUND CAP** 



**SQUARE PLUG** 



LONG NIPPLE



**HEXAGON BUSHING** 



HEXAGON REDUCING NIPPLE



UNION

M/F UNION

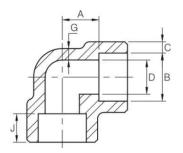
#### **PRODUCTS INFORMATION**

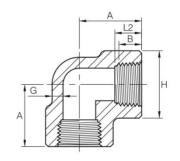
- Rating Pressure: Threaded End 2000 / 3000 / 6000 LBS. Socket-Weld End 3000 /Z 6000 /Z 9000 LBS. Butt Weld End SCH40
- Specificaltions: ASME B16.11-2011(REVISION of ASME B16. 11-2009) MSS SP- 79, 83, 95, 97 and BS3799. W B. MATERIAL
- Origin: Vietnam, China, Taiwan, Korea, Malaysia, Thailand, G7.



### 90° ELBOW

#### ASME B16.11-2011 (Revision of ASME B16.11-2009)





	Dimensions are in millimeters													
Socket Welding														
DN	Nom. Pipe Size	В	(	:	D	A	G	J						
			(Avg)	(Min)										

			Threaded		ons are in r	mmmeters
DN	Nom. Pipe Size	Length o (M	f Thread. in)	А	G (Min)	н
		В	L2		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

3000Lb								
6	1/8	10.8	3.18	3.18	6.9	11.0	2.41	9.5
8	1/4	14.2	3.78	3.30	9.3	11.0	3.02	9.5
10	3/8	17.6	4.01	3.50	12.6	13.5	3.20	9.5
15	1/2	21.8	4.67	4.09	15.8	15.5	3.73	9.5
20	3/4	27.2	4.90	4.27	21.0	19.0	3.91	12.5
25	1	33.9	5.69	4.98	26.7	22.5	4.55	12.5
32	1-1/4	42.7	6.07	5.28	35.1	27.0	4.85	12.5
40	1-1/2	48.8	6.35	5.54	40.9	32.0	5.08	12.5
50	2	61.2	6.93	6.04	52.5	38.0	5.54	16.0
65	2-1/2	73.9	8.76	7.67	62.7	41.0	7.01	16.0
80	3	89.8	9.52	8.30	78.0	57.0	7.62	16.0
100	4	115.2	10.69	9.35	102.3	66.5	8.56	19.0
6000Lb								
6	1/8	10.8	3.96	3.43	4.0	11.0	3.15	9.5
8	1/4	14.2	4.60	4.01	6.4	13.5	3.68	9.5
10	3/8	17.6	5.03	4 37	9.2	15.5	4.01	9.5

2000Lb						
6	1/8	6.4	6.7	21	3.18	22
8	1/4	8.1	10.2	21	3.18	22
10	3/8	9.1	10.4	25	3.18	25
15	1/2	10.9	13.6	28	3.18	33
20	3/4	12.7	13.9	33	3.18	38
25	1	14.7	17.3	38	3.68	46
32	1-1/4	17.0	18.0	44	3.89	56
40	1-1/2	17.8	18.4	51	4.01	62
50	2	19.0	19.2	60	4.27	75
65	2-1/2	23.6	28.9	76	5.61	92
80	3	25.9	30.5	86	5.99	109
100	4	27.7	33.0	106	6.55	146

6000LD			_	_	_	_	_	_
6	1/8	10.8	3.96	3.43	4.0	11.0	3.15	9.5
8	1/4	14.2	4.60	4.01	6.4	13.5	3.68	9.5
10	3/8	17.6	5.03	4.37	9.2	15.5	4.01	9.5
15	1/2	21.8	5.97	5.18	11.8	19.0	4.78	9.5
20	3/4	27.2	6.96	6.04	15.6	22.5	5.56	12.5
25	1	33.9	7.92	6.93	20.7	27.0	6.35	12.5
32	1-1/4	42.7	7.92	6.93	29.5	32.0	6.35	12.5
40	1-1/2	48.8	8.92	7.80	34.0	38.0	7.14	12.5
50	2	61.2	10.92	9.50	42.9	41.0	8.74	16.0
9000Lb								
15	1/2	21.8	9.35	8.18	6.4	25.5	7.47	9.5
20	2/4	27.2	0.70	0.56		20.5	7.00	40.5

3000Lb						
6	1/8	6.4	6.7	21	3.18	22
8	1/4	8.1	10.2	25	3.30	25
10	3/8	9.1	10.4	28	3.51	33
15	1/2	10.9	13.6	33	4.09	38
20	3/4	12.7	13.9	38	4.32	46
25	1	14.7	17.3	44	4.98	56
32	1-1/4	17.0	18.0	51	5.28	62
40	1-1/2	17.8	18.4	60	5.56	75
50	2	19.0	19.2	64	7.14	84
65	2-1/2	23.6	28.9	83	7.65	102
80	3	25.9	30.5	95	8.84	121
100	4	27.7	33.0	114	11.18	152

50	2	61.2	10.92	9.50	42.9	41.0	8.74	16.0
9000Lb								
15	1/2	21.8	9.35	8.18	6.4	25.5	7.47	9.5
20	3/4	27.2	9.78	8.56	11.1	28.5	7.82	12.5
25	1	33.9	11.38	9.96	15.2	32.0	9.09	12.5
32	1-1/4	42.7	12.14	10.62	22.8	35.0	9.70	12.5
40	1-1/2	48.8	12.70	11.12	28.0	38.0	10.15	12.5
50	2	61.2	13.84	12.12	38.2	54.0	11.07	16.0

6000Lb						
6	1/8	6.4	6.7	25	6.35	25
8	1/4	8.1	10.2	28	6.60	33
10	3/8	9.1	10.4	33	6.98	38
15	1/2	10.9	13.6	38	8.15	46
20	3/4	12.7	13.9	44	8.53	56
25	1	14.7	17.3	51	9.93	62
32	1-1/4	17.0	18.0	60	10.59	75
40	1-1/2	17.8	18.4	64	11.07	84
50	2	19.0	19.2	83	12.09	102
65	2-1/2	23.6	28.9	95	15.29	121
80	3	25.9	30.5	106	16.64	146
100	4	27.7	33.0	114	18.67	152

## **FLANGES**













#### Size: 1/2 inch ~ 48 inch

- Material: Carbon Steel: ASTM A105, A181, A350 LF1, A350 LF2, A350 LF3, A36, Q235B...
- Stainless Steel: ASTM A182 F304, F304L, F316, F316L, F321 etc
- Connection Type: Slip On (SO), Plate (SOP), Welding Neck (WN), Blind (BL), Threaded (NPT), Socket Weld (SW), Ring joint (RJ), Lap Joint (LJ)
- Working pressure: CL150, CL300, CL600,...
- Surface: FF, RF
- Origin: Vietnam, China, Taiwan, Korea, Malaysia, Thailand, G7















### Slip On R.F Flange, Blind Flange accordance to ANSI/ASME B16.5 Specification







Si	ze	Rate/	Outside	Bolts Circle	Inside Dia.	Hight	No. of	Weight	Weight	Siz	e	Rate/	Outside	Bolts Circle	Inside	Hight	No. of	Weight	Weight
DN	inch	Class	Dia. D (mm)	Dia. K (mm)	G (mm)	H (mm)	Bolt Hole	(kg/ea) (SO)	(kg/ea) (BL)	DN	inch	Class	Dia. D (mm)	Dia. K (mm)	Dia. G (mm)	H (mm)	Bolt Hole	(kg/ea) (SO)	(kg/ea) (BL)
		150	88.9	60.4	22.3	15.7	4	0.4	0.4			150	190.5	152.4	90.6	30.2	4	4.1	5.0
	•	300	95.2	66.5	22.3	22.3	4	0.7	0.7			300	209.5	168.1	90.6	42.9	8	6.1	7.0
15	1/2"	400								80	3"	400							
15	1/2"	600	95.2	66.5	22.3	22.3	4	0.8	0.7	80	3	600	209.5	168.1	90.6	45.9	8	7.3	8.0
		900										900	241.3	190.5	90.6	53.8	8	11.6	13.1
		1500	120.6	82.5	22.3	31.7	4	1.7	1.8			1500	266.7	203.2			8	18	19
		150	98.5	69.8	27.6	15.7	4	0.7	0.7			150	228.6	190.5	116	33.2	8	5.6	7.1
		300	117.3	82.5	27.6	25.4	4	1.1	1.2			300	254	200.1	116	47.7	8	10.1	11.8
20	3/4"	400								100	4"	400	254	200.1	116	50.8	6	11.5	14.0
	3, 1	600	117.3	82.5	27.6	254	4	1.4	1.2			600	273	215.9	116	53.8	8	15.8	18.0
		900										900	292.1	234.9	116	69.8	8	19.8	22.1
		1500	130	88.9	27.6	35	4	2.3	2.4			1500	311.1	241.3			8	27.8	30.0
		150	107.9	79.2	34.5	17.5	4	0.8	0.9			150	254	215.9	143.7	36.5	8	6.3	9.0
		300	123.9	88.9	34.5	26.9	4	1.4	1.5			300	279.4	234.9	143.7	50.8	8	12.5	15.5
25	1"	400								125	5"	400	279.4	234.9	143.7	53.8	8	14.5	19.0
		600	123.9	88.9	34.5	26.9	4	1.6	1.5			600	330.2	266.7	143.7	60.4	8	24.5	28.5
		900										900	349.2	279.4	143.7	79.2	8	32	36.5
		1500	149.3	101.6	34.5	41.1	4	3.4	3.6			1500	374.6	292.1			8	52	58.0
		150	117.3	88.9	43.1	20.5	4	1.1	1.3			150	279.4	241.3	170.6	39.6	8	7.5	11.8
		300	133.3	98.5	45.1	26,9	4	1.8	2.0			300	317.5	269.7	170.6	52.3	12	14.1	21.3
32	1-1/4"	400								150	6"	400	317.5	269.7	170.6	57.1	12	19	26.0
		600	133.1	98.5	45.1	28.4	4	2.1	2.0			600	355.6	292.1	170.6	66.5	12	29.5	35.5
		900										900	381	317.5	170.6	85.6	12	41.2	47.4
		1500	158.7	111.2	43.1	41.1	4	3.9	4.1			1500	393.7	317.5			12	61	72.0
		150	127	98.5	49.5	22.3	4	1.4	1.6			150	342. 9	298.4	221.4	44.4	8	12.6	21.0
		300	155.4	114.3	49.5	30.2	4	2.6	2.9			300	381	330.2	221.4	61.9	12	24.6	35.2
40	1-1/2"	400								200	8"	400	381	330.2	221.4	68.3	12	29	43.0
		600	155.4	114.3	49.5	31.7	4	3.1	3.2			600	419.1	349.2	221.4	76.2	12	43	58.0
		900										900	469.9	393.7	221.4	101.6	12	78	82.5
		1500	177.8	123.9	49.5	44.4	4	5.4	5.8			1500	482.6	393.7			12	104	122.0
		150	152.4	120.6	61.9	25.4	4	2.2	2.6			150	406.4	361.9	276.3	49.2	12	18.5	30.0
		300	165.1	127	61.9	33.2	8	3.4	3.4			300	444.5	387.3	276.3	66.5	16	37.1	57.0
50	2"	400								250	10"	400	444.5	387.3	276.3	73.1	16	39.5	65.0
		600	165.1	127	61.9	36.5	8	3.7	4.3			600	508	431.8	276.3	65.8	16	70	98.0
		900										900	546.1	469.9	276.3	107.9	16	110	123.0
		1500	215.9	165.1	61.9	57.1	8	9.8	10.1			1500	584.2	482.6			12	175	210.0
		150	177.8	139.7	74.6	28.4	4	3.6	4.1			150	482.6	431.8	327.1	55.6	12	28	45.0
		300	190.5	149.3	74.6	38.1	8	4.4	5.1			300	520.7	450.8	327.1	73.1	16	50	82.0
65	2-1/2"	400								300	12"	400	520.7	450.8	327.1	7g.2	16	58	95.0
		600	190.5	149.3	74.6	411	8	5.4	6.0			600	558.8	488.9	327.1	91.9	20	86	125.0
		900										900	609.6	533.4	327.1	117.3	20	149	174.0
		1500	244.3	190.5	74.6	63.5	8	13.7	14.0			1500	673.1	571.5			16	264	315.0

### **HYDRAULIC SYSTEM**

**Material:** CS/AISI 304/316/316Ti

**Standard:** DIN/ISO/SAE

Origin: G7

PRECISION TUBE









TUBE FITTINGS



















**VALVES** 







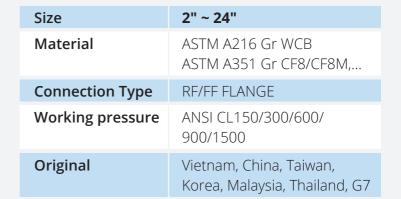


**CLAMPS** 



### **CASTING VALVES FLANGE ENDS**









### **FORGING VALVES**



Size	1/2" ~ 2"
Material	ASTM A/SA 105/105N
	ASTM A182 F304/316
Connection Type	SW, NPT, BW
Working pressure	CL600/800/1500/2500
Original	Vietnam, China, Taiwan, Korea, Malaysia, Thailand, G7



+ Stub Bolts: ASTM A193 GR B7/ B8/ B8M,...

+ Nuts: ASTM A194 GR 2H/ 8/8m,...

+ Washers: F436/ SS304/ SS316

Origin: Vietnam, China, Taiwan, Korea, Malaysia, Thailand, G7

## **GASKETS**









#### - SPRIAL WOUND

- + Standard: ASME B16.20
- + Material: GRAPHITE FILL CS/ SS304/ SS316...

#### - FLAT RING

- + Standard: ASME B16.21 FF/RF
- + Material: RUBBER/ NON ASBESTOS/ PTFE

#### - RING JOINT

- + Standard: ASME B16.20/ API 6A
- + Material: SOFT IRON/ CS/ ALLOY F5/ SUS 304/316...

**Working pressure:** ANSI CL150/300/600/900/1500 Origin: Vietnam, China, Taiwan, Korea, Malaysia,

Thailand, G7













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