## **FLANGE TABLES**

## Petrochem Pipeline Supply Ltd Leading Supplier of Pipe, Fittings, Valves, Instrumentation and Controls

1/2 "	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face	3/4"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face	1"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face	11/4"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	80	55	4	M10	11	40	PN6	90	65	4	M10	11	50	PN6	100	75	4	M10	11	60	PN6	120	90	4	M12	14	70
PN10	95	65	4	M12	14	45	PN10	105	75	4	M12	14	58	PN10	115	85	4	M12	14	68	PN10	140	100	4	M16	18	78
PN16	95	65	4	M12	14	45	PN16	105	75	4	M12	14	58	PN16	115	85	4	M12	14	68	PN16	140	100	4	M16	18	78
PN25	95	65	4	M12	14	45	PN25	105	75	4	M12	14	58	PN25	115	85	4	M12	14	68	PN25	140	100	4	M16	18	78
PN40	95 105	65 75	4	M12 M12	14 14	45 45	PN40	105 130	75 90	4	M12 M16	14	58 58	PN40 PN64	115 140	85 100	4	M12 M16	14 18	68	PN40 PN64	140	100 110	4	M16	18 22	78 78
PN64 ANSI 150		2 ¾ (60)	4	1/2 (13)	% (16)	1 % (35)	PN64 ANSI 150	3 % (98)	2 ¾ (70)	4	1/2 (13)	18 % (16)	1 11/16 (43)	ANSI 150		3 % (79)	4	1/2 (13)	% (16)	68 2 (51)	ANSI 150	155 4 % (117)	3 ½ (89)	4	M20 ½ (13)	½ (16)	2 ½ (64)
ANSI 300		2 % (67)	4	½ (13)	% (16)	1 % (35)	ANSI 300	4% (117)	3 ¼ (83)	4	% (16)	¾ (10)	1 1/16 (43)	ANSI 300		3 ½ (89)	4	% (16)	½ (10) ¾ (19)	2 (51)	ANSI 300	5 1/4 (1133)	3 % (98)	4	% (16)	¾ (10) ¾ (19)	2 ½ (64)
Table D	3 % (95)	2 % (67)	4	½ (13)	% (10) % (14)	-	Table D	4(102)	2 % (73)	4	½ (13)	% (14)	- 1 718 (43)	Table D	4 ½ (114)	3 ¼ (83)	4	½ (13)	% (19)	-	Table D	4 % (121)	3 % (87)	4	1/2 (13)	% (14)	2 /2 (04)
Table E	3 ¾ (95)	2 % (67)	4	½ (13)	% (14)		Table E	4 (102)	2 % (73)	4	1/2 (13)	% (14)		Table E	4 ½ (114)		4	½ (13)	% (14)	-	Table E	4 % (121)	3 1/16 (87)	4	1/2 (13)	% (14)	-
Table F	3 ¾ (95)	2 % (67)	4	½ (13)	% (14)	-	Table F	4 (102)	2 % (73)	4	1/2 (13)	% (14)		Table F	4 ¾ (121)	3 1/16 (87)	4	% (16)	11/16 (17)	_	Table F	5 ¼ (133)	3 % (98)	4	% (16)	11/16 (17)	_
Table H	4 ½ (114)	3 ¼ (83)	4	% (16)	11/16 (17)	2 ¼ (57)	Table H	4 ½ (114)	3 ¼ (83)	4	% (16)	11/16 (17)	2 ¼ (57)	Table H	4 ¾ (121)	3 1/16 (87)	4	% (16)	11/16 (17)	2 ¼ (64)	Table H	5 ¼(133)	3 % (98)	4	% (16)	11/16 (17)	2 (76)
1½"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised	2"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	of Raised	21/2"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised	3"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised
PN6	130	100	4	M12	14	Face 80	PN6	140	110	4	M12	14	Face 90	PN6	160	130	4	M12	14	Face 110	PN6	190	150	4	M16	18	Face 128
PN10	150	110	4	M16	18	88	PN10	165	125	4	M16	18	102	PN10	185	145	4	M16	18	122	PN10	200	160	8	M16	18	138
PN16	150	110	4	M16	18	88	PN16	165	125	4	M16	18	102	PN16	185	145	4	M16	18	122	PN16	200	160	8	M16	18	138
PN25	150	110	4	M16	18	88	PN25	165	125	4	M16	18	102	PN25	185	145	8	M16	18	122	PN25	200	160	8	M16	18	138
PN40	110	4	M16	18	88	4	PN40	165	125	4	M16	18	102	PN40	185	145	8	M16	18	122	PN40	200	160	8	M16	18	138
PN64	170	125	4	M20	22	88	PN64	180	135	4	M20	22	102	PN64	205	160	8	M20	22	122	PN64	215	170	8	M20	22	138
ANSI 150	5 (27)	3 % (98)	4	1/2 (16)	% (16)	2 % (73)	ANSI 150	6 (152)	4 ¾ (121)	4	% (16)	¾ (19)	3 % (92)	ANSI 150		5 ½ (140)	4	% (16)	¾ (19)	4 1/4 (105)	ANSI 150	7 ½(191)	6 (152)	4	% (16)	¾ (19)	5 (127)
ANSI 300		4 ¼ (114)	4	¾ (19)	% (22)	2 % (73)	ANSI 300	6 ½ (165)	5 (127)	8	% (16)	¾ (19)	3 % (92)	ANSI 300		5 % (149)	8	¾ (19)	¾ (19)	4 ¼ (105)	ANSI 300			8	¾ (19)	% (22)	5 (127)
Table D	5 ¼ (133)		4	½ (13)	% (14)		Table D	6 (152)	4 ¼ (114)	4	% (16)	11/16 (17)	-	Table D	6 ½(165)	5 (127)	4	% (16)	11/16 (17)	-	Table D	7 ¼ (184)		4	% (16)	11/16 (17)	-
Table E	5 ¼ (133)		4	½ (13)	% (14)	-	Table E	6 (152)	4 ¼ (114)	4	% (16)	11/16 (17)	-	Table E	6 ½ (165)		4	% (16)	11/16 (17)	-	Table E	7 ¼ (184)		4	% (16)	11/16 (17)	-
Table F Table H	5 ½ (140) 5 ½ (140)		4	% (16) % (16)	11/16 (17) 11/16 (17)	2 1/4 (83)	Table F Table H	6 ½ (165) 6 ½ (165)		4	% (16) % (16)	11/16 (17) 11/16 (17)	4 (102)	Table F Table H	7 ¼ (184) 7 ¼ (184)		8	% (16) % (16)	11/16 (17) 11/16 (17)	- 4 ½ (114)	Table F Table H	8 (203)	6 ½(165) 6 ½(165)	8	% (16)	1½6 (17) 1½6 (17)	- 5 (27)
<b>4</b> "	Diameter		No. of	Diameter				Diameter	Bolt Circle	No. of	Diameter	Diameter	Diameter		Diameter	Bolt Circle	No. of	Diameter	Diameter	Diameter	8 "	8 (203) Diameter	Bolt Circle	No. of	% (16) Diameter	Diameter	Diameter
4	of Flange	Diameter	Bolts	of Bolts	of Holes	of Raised Face	5"	of Flange	Diameter	Bolts	of Bolts	of Holes	of Raised Face	6"	of Flange	Diameter	Bolts	of Bolts	of Holes	of Raised Face	0	of Flange	Diameter	Bolts	of Bolts	of Holes	of Raised Face
PN6	210	170	4	M16	18	148	PN6	240	200	4	M16	18	178	PN6	265	225	4	M16	18	202	PN6	320	280	8	M16	18	258
PN10	220	180	8	M16	18	158	PN10	250	210	8	M16	18	188	PN10	285	240	8	M20	22	212	PN10	340	295	8	M20	22	268
PN16	220	180	8	M16	18	158	PN16	250	210	8	M16	18	188	PN16	285	240	8	M20	22	212	PN16	340	295	12	M20	22	268
PN25	235	190	8	M20	22	162	PN25	270	220	8	M24	26	188	PN25	300	250	8	M24	26	218	PN25	360	310	12	M24	26	278
PN40	235	190	8	M20	22	162	PN40	270	220	8	M24	26	188	PN40	345	280	8	M30	33	218	PN40	375	320	12	M27	30	285
PN64	250	200	8	M24	26	162	PN64	295	240	8	M27	30	188	PN64	345	280	8	M30	33	218	PN64 ANSI 150	415 13½(343)	345 11¾(298)	12 8	M33 ¾ (19)	36 % (22)	285 10%(270
ANSI 150		7 ½ (191)	8	% (16)	¾ (19)	6 %(157)	ANSI 150	10 (254)	8 ½ (216)	8	¾ (19)	% (22)	7 %(186)	ANSI 150 ANSI 300		9 ½(241) 10%(270)	12	¾ (19) ¾ (19)	% (22) % (22)	8 ½(216) 8 ½(216)	ANSI 300	15 (381)	13 (330)	12	% (22)	1 (25)	10%(270)
ANSI 300 Table D	10 (254) 8 ½ (216)	7 % (200) 7 (178)	8	¾ (19) % (16)	½ (22) ⅓ (17)	6 %(157)	ANSI 300 Table D	11 (279) 10 (254)	9 ¼ (235) 8 ¼ (210)	8	¾ (19) % (16)	% (22) 11/16 (17)	7 %(186)	Table D	11 (279)	9 ¼ (235)	8	% (16)	11/16 (17)	0 /2(210)	Table D	13%(279)	11½(292)	8	% (16)	11/16 (17)	10/8(2/0
Table E	8 ½ (216)		8	% (16) % (16)	11/16 (17)	-	Table E	10 (254)	8 1/4 (210)	8	% (16) % (16)	11/16 (17)	-	Table E	11 (279)	9 ¼ (235)	8	% (10) % (19)	% (22)	-	Table E		11½(292)	8	¾ (19)	% (22)	
Table F	9 (229)	7 ½(191)	8	% (16)	11/16 (17)		Table E	10 (254)	8 1/4 (210)	8	% (16) % (16)	11/16 (17)		Table F	12 (305)	101/4(260)	12	¾ (19)	% (22)	1	Table F	14½(368)		12	% (19)	% (22)	
Table H	9 (229)	7 ½(191)	8	% (16)	11/16 (17)	6 (152)	Table H	11 (279)	9 ¼ (235)	8	¾ (19)	½ (22)	-	Table H	12 (305)	101/4(260)	12	% (19)	% (22)	8 ¼(210)	Table H	14½(368)	12%(324)	12	¾ (19)	% (22)	10¼(260)
10"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised	12"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised	Conve		version For 2.54		nula (to convert Multiply by) CM to Inches		0.3937	Temperature ° Celcius to ° Farenheit			Pressure 8		Metre of Water	
Divis	0.75	005				Face	Divis			40	144.0		Face	Feet to N		0.3048		es to Feet		3.281		x % + 32 =			Bar	Atm	m H20
PN6	375	335	12	M16	18	312	PN6	440	395	12	M16	18	312	Yards to		0.914		es to Yards		1.094		enheit to ° (			1	0.9869	10.1972
PN10	395	350	12	M20	22	320	PN10	445	400	12	M20 M24	22	320			1.609		o Miles		0.6214	(° F	- 32) x %	= ° C		0.9807	0.9878	10
PN16 PN25	405 425	355 370	12 12	M24 M27	26 30	320 335	PN16 PN25	460 485	410 430	12 16	M24 M27	26 30	320 335	Sq. IN to Sq. CM Sq. Metres to Sq. FT		6.452 10.76		M to Sq. IN T to Sq. Met	roc	0.155 0.0929					0.0689	0.0609	0.7031
PN40	425 450	385	12	M30	33	345	PN25 PN40	515	450	16	M30	33	345					1 to Sq. Met Netres to Sq.		1.196					1.0133	1	10.3323
PN64	470	400	12	M33	36	345	PN64	530	460	16	M33	36	345	Sq. Miles to Sq. KM		2.59		M to Sq. Mil		0.3861					0.0299	0.0295	0.3048
ANSI 150		14½(362)	12	½ (22)	1 (25)	12¾(324)	ANSI 150	19 (483)	17 (432)	12	½ (22)	1 (25)	12¾(324)	Acres to Hectares 0.404			ares to Acre		2.471					0.0025	0.0025	0.0254	
ANSI 300		15%(387)	16	1 (25)	1 ½ (29)	123/(324)	ANSI 300	20½(521)	17%(451)	16	1 (25)	1 ½ (29)			n to Cub. CN			CM to Cub.		0.06102					0.0981	0.968	1
Table D	16 (406)	14 (356)	8	% (19)	% (22)	-	Table D	18 (457)	16 (406)	12	3/4 (19)	³/ <sub>8</sub> (22)	-		o Cub Metre			Metre to Cul		35.31					0.0133	0.0132	0.136
Table E	16 (406)	14(356)	12	% (19)	% (22)	-	Table E	18 (457)		12	% (19)	½ (22)	-		ds to Cub. N hes to Litres			M to Cub. Ya s to Cub. Inc		1.308 61.03					0.0339	0.0334	0.3453
Table F	17 (432)	15 (381)	12	% (22)	1 (25)	-	Table F	19½(489)	17¼(438)	16	% (22)	1 (25)	-	Gallons 1		4.546		s to Cub. Inc	1103	0.22					0.0013	0.0013	0.036
													101//011														

1 (25) 12¼(311) Grains to Grams

Ounces to Grams

Pounds to Grams

petrochem SUPPLY



% (22)

The information on these tables is intended as a helpful guide. Petrochem does not accept responsibilty for any inaccuracy.

0.0648 Grams to Grains

28.35 Grams to Ounces

453.6 Grams to Pounds

Kilograms to Pounds

0.4536

15.43

0.03527

0.002205

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1 (25) 12¼(311) Table H 19¼(489) 17¼(438) 16

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