

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
PN6	90	55	4	M10	11	40
PN10	85	65	4	M12	14	45
PN16	95	65	4	M12	14	45
PN25	95	65	4	M12	14	45
PN40	95	65	4	M12	14	45
PN64	105	75	4	M12	14	45
ANSI 150	3 1/2 (89)	2 1/2 (60)	4	1/2 (13)	3/4 (16)	1 1/4 (35)
ANSI 300	3 3/4 (95)	2 1/2 (67)	4	1/2 (13)	3/4 (16)	1 1/4 (35)
Table D	3 3/4 (95)	2 1/2 (67)	4	1/2 (13)	3/4 (14)	-
Table E	3 3/4 (95)	2 1/2 (67)	4	1/2 (13)	3/4 (14)	-
Table F	3 3/4 (95)	2 1/2 (67)	4	1/2 (13)	3/4 (14)	-
Table H	4 1/4 (114)	3 3/4 (83)	4	1/2 (16)	3/4 (17)	2 1/4 (57)

1 1/2"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	130	100	4	M12	14	80
PN10	150	110	4	M16	18	88
PN16	150	110	4	M16	18	88
PN25	150	110	4	M16	18	88
PN40	110	4	M16	18	88	4
PN64	170	125	4	M20	22	88
ANSI 150	5 (127)	3 3/4 (98)	4	1/2 (16)	3/4 (19)	2 1/4 (73)
ANSI 300	6 1/4 (156)	4 1/4 (114)	4	1/2 (19)	3/4 (22)	2 1/4 (73)
Table D	5 1/4 (133)	3 3/4 (98)	4	1/2 (13)	3/4 (14)	-
Table E	5 1/4 (133)	3 3/4 (98)	4	1/2 (13)	3/4 (14)	-
Table F	5 1/4 (140)	4 1/4 (105)	4	1/2 (16)	3/4 (17)	-
Table H	5 1/4 (140)	4 1/4 (105)	4	1/2 (16)	3/4 (17)	2 1/4 (83)

4"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	210	170	4	M16	18	148
PN10	220	180	8	M16	18	158
PN16	220	180	8	M16	18	158
PN25	235	190	8	M20	22	162
PN40	235	190	8	M20	22	162
PN64	250	200	8	M24	26	162
ANSI 150	9 (229)	7 1/2 (191)	8	1/2 (16)	3/4 (19)	6 1/4 (157)
ANSI 300	10 (254)	7 3/4 (200)	8	1/2 (19)	3/4 (22)	6 1/4 (157)
Table D	8 1/2 (216)	7 (178)	4	1/2 (16)	3/4 (17)	-
Table E	8 1/2 (216)	7 (178)	8	1/2 (16)	3/4 (17)	-
Table F	9 (229)	7 1/2 (191)	8	1/2 (16)	3/4 (17)	-
Table H	9 (229)	7 1/2 (191)	8	1/2 (16)	3/4 (17)	6 (152)

10"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	375	335	12	M16	18	312
PN10	395	350	12	M20	22	320
PN16	405	355	12	M24	26	320
PN25	425	370	12	M27	30	335
PN40	450	385	12	M30	33	345
PN64	470	400	12	M33	36	345
ANSI 150	16 (406)	14 1/2 (362)	12	1/2 (22)	1 (25)	12 1/4 (324)
ANSI 300	17 1/2 (445)	15 1/4 (387)	16	1 (25)	1 1/4 (29)	12 1/4 (324)
Table D	16 (406)	14 (356)	8	3/4 (19)	3/4 (22)	-
Table E	16 (406)	14 (356)	12	3/4 (19)	3/4 (22)	-
Table F	17 (432)	15 (381)	12	3/4 (22)	1 (25)	-
Table H	17 (432)	15 (381)	12	3/4 (22)	1 (25)	12 1/4 (311)

3/4"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	90	65	4	M10	11	50
PN10	105	75	4	M12	14	58
PN16	105	75	4	M12	14	58
PN25	105	75	4	M12	14	58
PN40	105	75	4	M12	14	58
PN64	130	90	4	M16	18	58
ANSI 150	3 (98)	2 3/4 (70)	4	1/2 (13)	3/4 (16)	1 1/4 (43)
ANSI 300	4 (117)	3 (83)	4	1/2 (16)	3/4 (19)	1 1/4 (43)
Table D	4 (102)	2 3/4 (73)	4	1/2 (13)	3/4 (14)	-
Table E	4 (102)	2 3/4 (73)	4	1/2 (13)	3/4 (14)	-
Table F	4 (102)	2 3/4 (73)	4	1/2 (13)	3/4 (14)	-
Table H	4 1/4 (114)	3 3/4 (83)	4	1/2 (16)	3/4 (17)	2 1/4 (57)

2"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	140	110	4	M12	14	90
PN10	165	125	4	M16	18	102
PN16	165	125	4	M16	18	102
PN25	165	125	4	M16	18	102
PN40	165	125	4	M16	18	102
PN64	180	135	4	M20	22	102
ANSI 150	6 (152)	4 1/4 (121)	4	1/2 (16)	3/4 (19)	3 3/4 (92)
ANSI 300	6 1/2 (165)	5 (127)	8	1/2 (16)	3/4 (19)	3 3/4 (92)
Table D	6 (152)	4 1/4 (114)	4	1/2 (16)	3/4 (17)	-
Table E	6 (152)	4 1/4 (114)	4	1/2 (16)	3/4 (17)	-
Table F	6 1/2 (165)	5 (127)	4	1/2 (16)	3/4 (17)	-
Table H	6 1/2 (165)	5 (127)	4	1/2 (16)	3/4 (17)	4 (102)

5"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	240	200	4	M16	18	178
PN10	250	210	8	M16	18	188
PN16	250	210	8	M16	18	188
PN25	270	220	8	M24	26	188
PN40	270	220	8	M24	26	188
PN64	295	240	8	M27	30	188
ANSI 150	10 (254)	8 1/2 (216)	8	1/2 (19)	3/4 (22)	7 3/4 (186)
ANSI 300	11 (279)	9 1/4 (235)	8	1/2 (19)	3/4 (22)	7 3/4 (186)
Table D	10 (254)	8 1/2 (210)	8	1/2 (16)	3/4 (17)	-
Table E	10 (254)	8 1/2 (210)	8	1/2 (16)	3/4 (17)	-
Table F	10 (254)	8 1/2 (210)	8	1/2 (16)	3/4 (17)	-
Table H	11 (279)	9 1/4 (235)	8	1/2 (19)	3/4 (22)	-

12"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	440	395	12	M16	18	312
PN10	445	400	12	M20	22	320
PN16	460	410	12	M24	26	320
PN25	485	430	16	M27	30	335
PN40	515	450	16	M30	33	345
PN64	530	460	16	M33	36	345
ANSI 150	19 (483)	17 (432)	12	1/2 (22)	1 (25)	12 1/4 (324)
ANSI 300	20 1/2 (521)	17 1/4 (451)	16	1 (25)	1 1/4 (29)	12 1/4 (324)
Table D	18 (457)	16 (406)	12	3/4 (19)	3/4 (22)	-
Table E	18 (457)	16 (406)	12	3/4 (19)	3/4 (22)	-
Table F	19 1/2 (489)	17 1/4 (438)	16	1 (22)	1 (25)	-
Table H	19 1/2 (489)	17 1/4 (438)	16	1 (22)	1 (25)	12 1/4 (311)

1"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	100	75	4	M10	11	60
PN10	115	85	4	M12	14	68
PN16	115	85	4	M12	14	68
PN25	115	85	4	M12	14	68
PN40	115	85	4	M12	14	68
PN64	140	100	4	M16	18	68
ANSI 150	4 1/4 (114)	3 3/4 (79)	4	1/2 (13)	3/4 (16)	2 (51)
ANSI 300	4 1/2 (124)	3 3/4 (89)	4	1/2 (16)	3/4 (19)	2 (51)
Table D	4 1/4 (114)	3 3/4 (83)	4	1/2 (13)	3/4 (19)	-
Table E	4 1/4 (114)	3 3/4 (83)	4	1/2 (13)	3/4 (14)	-
Table F	4 1/2 (121)	3 3/4 (87)	4	1/2 (16)	3/4 (17)	-
Table H	4 1/2 (121)	3 3/4 (87)	4	1/2 (16)	3/4 (17)	2 1/4 (64)

2 1/2"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	160	130	4	M12	14	110
PN10	185	145	4	M16	18	122
PN16	185	145	4	M16	18	122
PN25	185	145	8	M16	18	122
PN40	185	145	8	M16	18	122
PN64	205	160	8	M20	22	122
ANSI 150	7 (178)	5 1/2 (140)	4	1/2 (16)	3/4 (19)	4 1/4 (105)
ANSI 300	7 1/2 (191)	5 1/4 (149)	8	1/2 (19)	3/4 (19)	4 1/4 (105)
Table D	6 1/2 (165)	5 (127)	4	1/2 (16)	3/4 (17)	-
Table E	6 1/2 (165)	5 (127)	4	1/2 (16)	3/4 (17)	-
Table F	7 1/2 (184)	5 1/4 (146)	8	1/2 (16)	3/4 (17)	-
Table H	7 1/2 (184)	5 1/4 (146)	8	1/2 (16)	3/4 (17)	4 1/4 (114)

6"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	265	225	4	M16	18	202
PN10	285	240	8	M20	22	212
PN16	285	240	8	M20	22	212
PN25	300	250	8	M24	26	218
PN40	345	280	8	M30	33	218
PN64	345	280	8	M30	33	218
ANSI 150	11 (279)	9 3/4 (241)	8	1/2 (19)	3/4 (22)	8 1/2 (216)
ANSI 300	12 1/2 (318)	10 1/4 (270)	12	1/2 (19)	3/4 (22)	8 1/2 (216)
Table D	11 (279)	9 3/4 (235)	8	1/2 (16)	3/4 (17)	-
Table E	11 (279)	9 3/4 (235)	8	1/2 (19)	3/4 (22)	-
Table F	12 (305)	10 1/4 (260)	12	1/2 (19)	3/4 (22)	-
Table H	12 (305)	10 1/4 (260)	12	1/2 (19)	3/4 (22)	8 1/2 (210)

1 1/4"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	120	90	4	M12	14	70
PN10	140	100	4	M16	18	78
PN16	140	100	4	M16	18	78
PN25	140	100	4	M16	18	78
PN40	140	100	4	M16	18	78
PN64	155	110	4	M20	22	78
ANSI 150	4 1/4 (117)	3 3/4 (89)	4	1/2 (13)	3/4 (16)	2 1/4 (64)
ANSI 300	5 1/4 (133)	3 3/4 (88)	4	1/2 (16)	3/4 (19)	2 1/4 (64)
Table D	4 1/4 (121)	3 3/4 (87)	4	1/2 (13)	3/4 (14)	-
Table E	4 1/4 (121)	3 3/4 (87)	4	1/2 (13)	3/4 (14)	-
Table F	5 1/4 (133)	3 3/4 (88)	4	1/2 (16)	3/4 (17)	-
Table H	5 1/4 (133)	3 3/4 (88)	4	1/2 (16)	3/4 (17)	2 (76)

3"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	190	150	4	M16	18	128
PN10	200	160	8	M16	18	138
PN16	200	160	8	M16	18	138
PN25	200	160	8	M16	18	138
PN40	200	160	8	M16	18	138
PN64	215	170	8	M20	22	138
ANSI 150	7 1/2 (191)	6 (152)	4	1/2 (16)	3/4 (19)	5 (127)
ANSI 300	8 1/4 (210)	6 1/4 (168)	8	1/2 (19)	3/4 (22)	5 (127)
Table D	7 1/4 (184)	5 1/4 (146)	4	1/2 (16)	3/4 (17)	-
Table E	7 1/4 (184)	5 1/4 (146)	4	1/2 (16)	3/4 (17)	-
Table F	8 (203)	6 1/4 (165)	8	1/2 (16)	3/4 (17)	-
Table H	8 (203)	6 1/4 (165)	8	1/2 (16)	3/4 (17)	5 (27)

8"	Diameter of Flange	Bolt Circle Diameter	No. of Bolts	Diameter of Bolts	Diameter of Holes	Diameter of Raised Face
PN6	320	280	8	M16	18	258
PN10	340	295	8	M20	22	268
PN16	340	295	12	M20	22	268
PN25	360	310	12			