

FLANGE TABLES

| 1/2" | 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 |
| PN10 | 95 | 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 3/8 (60) | 4 | 1/2 (13) | 3/8 (16) | 1 3/8 (35) |
| ANSI 300 | 3 3/4 (95) | 2 3/4 (67) | 4 | 1/2 (13) | 3/8 (16) | 1 3/8 (35) |
| Table D | 3 3/4 (95) | 2 3/4 (67) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table E | 3 3/4 (95) | 2 3/4 (67) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table F | 3 3/4 (95) | 2 3/4 (67) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table H | 4 1/4 (114) | 3 3/8 (83) | 4 | 1/2 (13) | 3/8 (17) | 2 1/4 (57) |

| 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 3/4 (98) | 2 3/4 (70) | 4 | 1/2 (13) | 3/8 (16) | 1 1/2 (43) |
| ANSI 300 | 4 1/4 (117) | 3 3/4 (83) | 4 | 1/2 (13) | 3/8 (19) | 1 1/2 (43) |
| Table D | 4 (102) | 2 3/4 (73) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table E | 4 (102) | 2 3/4 (73) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table F | 4 (102) | 2 3/4 (73) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table H | 4 1/4 (114) | 3 3/8 (83) | 4 | 1/2 (13) | 3/8 (17) | 2 1/4 (57) |

| 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 1/2 (114) | 3 3/4 (79) | 4 | 1/2 (13) | 3/8 (16) | 2 (51) |
| ANSI 300 | 4 3/4 (124) | 3 3/4 (89) | 4 | 1/2 (13) | 3/8 (19) | 2 (51) |
| Table D | 4 1/4 (114) | 3 3/4 (83) | 4 | 1/2 (13) | 3/8 (19) | - |
| Table E | 4 1/4 (114) | 3 3/4 (83) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table F | 4 1/4 (121) | 3 3/8 (87) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table H | 4 1/4 (121) | 3 3/8 (87) | 4 | 1/2 (13) | 3/8 (17) | 2 1/4 (64) |

| 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 3/4 (117) | 3 3/4 (89) | 4 | 1/2 (13) | 3/8 (16) | 2 1/2 (64) |
| ANSI 300 | 5 1/4 (133) | 3 3/4 (98) | 4 | 1/2 (13) | 3/8 (19) | 2 1/2 (64) |
| Table D | 4 3/4 (121) | 3 3/4 (87) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table E | 4 3/4 (121) | 3 3/4 (87) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table F | 5 1/4 (133) | 3 3/4 (98) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table H | 5 1/4 (133) | 3 3/4 (98) | 4 | 1/2 (13) | 3/8 (17) | 2 (76) |

| 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 (27) | 3 3/4 (98) | 4 | 1/2 (13) | 3/8 (16) | 2 3/4 (73) |
| ANSI 300 | 6 1/4 (156) | 4 1/4 (114) | 4 | 1/2 (13) | 3/8 (22) | 2 3/4 (73) |
| Table D | 5 1/4 (133) | 3 3/4 (98) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table E | 5 1/4 (133) | 3 3/4 (98) | 4 | 1/2 (13) | 3/8 (14) | - |
| Table F | 5 1/2 (140) | 4 1/4 (105) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table H | 5 1/2 (140) | 4 1/4 (105) | 4 | 1/2 (13) | 3/8 (17) | 2 1/4 (83) |

| 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 3/4 (121) | 4 | 1/2 (13) | 3/8 (19) | 3 (92) |
| ANSI 300 | 6 1/2 (165) | 5 (127) | 8 | 1/2 (13) | 3/8 (19) | 3 (92) |
| Table D | 6 (152) | 4 3/4 (114) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table E | 6 (152) | 4 3/4 (114) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table F | 6 1/2 (165) | 5 (127) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table H | 6 1/2 (165) | 5 (127) | 4 | 1/2 (13) | 3/8 (17) | 4 (102) |

| 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 (13) | 3/8 (19) | 4 1/2 (105) |
| ANSI 300 | 7 1/2 (191) | 5 1/2 (149) | 8 | 1/2 (13) | 3/8 (19) | 4 1/2 (105) |
| Table D | 6 1/2 (165) | 5 (127) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table E | 6 1/2 (165) | 5 (127) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table F | 7 1/4 (184) | 5 3/4 (146) | 8 | 1/2 (13) | 3/8 (17) | - |
| Table H | 7 1/4 (184) | 5 3/4 (146) | 8 | 1/2 (13) | 3/8 (17) | 4 1/2 (114) |

| 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 (13) | 3/8 (19) | 5 (127) |
| ANSI 300 | 8 1/4 (210) | 6 1/2 (168) | 8 | 1/2 (13) | 3/8 (22) | 5 (127) |
| Table D | 7 1/4 (184) | 5 3/4 (146) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table E | 7 1/4 (184) | 5 3/4 (146) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table F | 8 (203) | 6 1/2 (165) | 8 | 1/2 (13) | 3/8 (17) | - |
| Table H | 8 (203) | 6 1/2 (165) | 8 | 1/2 (13) | 3/8 (17) | 5 (27) |

| 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 (13) | 3/8 (19) | 6 1/2 (157) |
| ANSI 300 | 10 (254) | 7 1/2 (200) | 8 | 1/2 (13) | 3/8 (22) | 6 1/2 (157) |
| Table D | 8 1/2 (216) | 7 (178) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table E | 8 1/2 (216) | 7 (178) | 4 | 1/2 (13) | 3/8 (17) | - |
| Table F | 9 (229) | 7 1/2 (191) | 8 | 1/2 (13) | 3/8 (17) | - |
| Table H | 9 (229) | 7 1/2 (191) | 8 | 1/2 (13) | 3/8 (17) | 6 (152) |

| 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 (13) | 3/8 (22) | 7 1/2 (186) |
| ANSI 300 | 11 (279) | 9 1/4 (235) | 8 | 1/2 (13) | 3/8 (22) | 7 1/2 (186) |
| Table D | 10 (254) | 8 1/4 (210) | 8 | 1/2 (13) | 3/8 (17) | - |
| Table E | 10 (254) | 8 1/4 (210) | 8 | 1/2 (13) | 3/8 (17) | - |
| Table F | 10 (254) | 8 1/4 (210) | 8 | 1/2 (13) | 3/8 (17) | - |
| Table H | 11 (279) | 9 1/4 (235) | 8 | 1/2 (13) | 3/8 (22) | - |

| 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 1/2 (241) | 8 | 1/2 (13) | 3/8 (22) | 8 1/2 (216) |
| ANSI 300 | 12 1/2 (318) | 10 1/4 (270) | 12 | 1/2 (13) | 3/8 (22) | 8 1/2 (216) |
| Table D | 11 (279) | 9 1/4 (235) | 8 | 1/2 (13) | 3/8 (17) | - |
| Table E | 11 (279) | 9 1/4 (235) | 8 | 1/2 (13) | 3/8 (22) | - |
| Table F | 12 (305) | 10 1/4 (260) | 12 | 1/2 (13) | 3/8 (22) | - |
| Table H | 12 (305) | 10 1/4 (260) | 12 | 1/2 (13) | 3/8 (22) | 10 1/4 (210) |

| 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 | M24 | 26 | 278 |
| PN40 | 375 | 320 | 12 | M27 | 30 | 285 |
| PN64 | 415 | 345 | 12 | M33 | 36 | 285 |
| ANSI 150 | 13 1/4 (343) | 11 1/2 (298) | 8 | 1/2 (13) | 3/8 (22) | 10 1/4 (270) |
| ANSI 300 | 15 (381) | 13 (330) | 12 | 1/2 (13) | 3/8 (25) | 10 1/4 (270) |
| Table D | 13 1/4 (279) | 11 1/2 (292) | 8 | 1/2 (13) | 3/8 (17) | - |
| Table E | 13 1/4 (337) | 11 1/2 (292) | 8 | 1/2 (13) | 3/8 (22) | - |
| Table F | 14 1/4 (368) | 12 1/4 (324) | 12 | 1/2 (13) | 3/8 (22) | - |
| Table H | 14 1/4 (368) | 12 1/4 (324) | 12 | 1/2 (13) | 3/8 (22) | 10 1/4 (260) |

| 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 (13) | 3/8 (25) | 12 1/4 (324) |
| ANSI 300 | 17 1/2 (445) | 15 1/4 (387) | 16 | 1 (25) | 1 1/2 (29) | 12 1/4 (324) |
| Table D | 16 (406) | 14 (356) | 8 | 1/2 (13) | 3/8 (22) | - |
| Table E | 16 (406) | 14 (356) | 12 | 1/2 (13) | 3/8 (22) | - |
| Table F | 17 (432) | 15 (381) | 12 | 1/2 (13) | 3/8 (25) | - |
| Table H | 17 (432) | 15 (381) | 12 | 1/2 (13) | 3/8 (25) | 12 1/4 (311) |

| 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 | | | | | | |