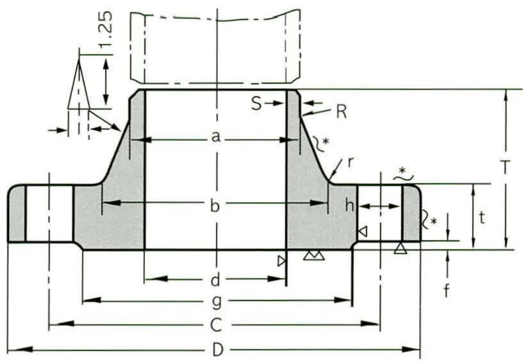
# WELDING NECK FLANGE

- 10Kgf/Cm$^2$
- 16Kgf/Cm$^2$
- 20Kgf/Cm$^2$
- 30Kgf/Cm$^2$
- 40Kgf/Cm$^2$
- 63Kgf/Cm$^2$
- FACING 2

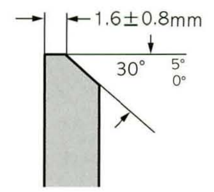
# 10Kg/Cm²

## WELDING NECK FLANGES




*The surface finish shown above is in the case of forging (▽marks:in other cases)

Reference:Beveling




When particularly necessary, customers can order another beveling form the above.

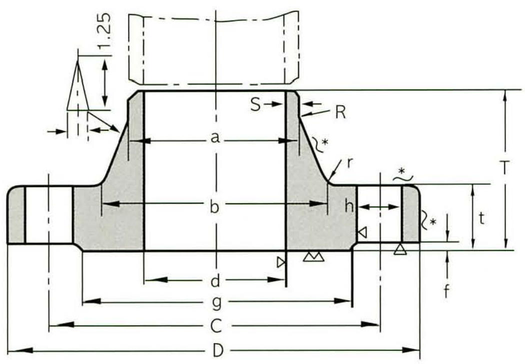
Unit:mm

| Nominal Diam of Flange | Outside Diam of Steel Pipe | Inside Diam of Flange d | Outside Diam of Flange D | Sectional Dimensions of Flange t | T *1 | Diam of Hub a | b | Radius r *3 | Raised Face f | Dia of Bolt: Diam of Raised Face g | Bolt Circle Bolt Holes | Number of Bolt Holes | Hole Dia h | Nominal Bolt Size | Length of wecr Depat P *4 | Approx Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 17.3 | To be specified by purchaser | 90 | 12 | 28.9 | 17.3 | 25 | 4 | 1 | 46 | 65 | 4 | 15 | M12 | 3.5 | |
| 15 | 21.7 | | 95 | 12 | 30.6 | 21.7 | 33 | 4 | 1 | 51 | 70 | 4 | 15 | M12 | 4.5 | |
| 20 | 27.2 | | 100 | 14 | 33.9 | 27.2 | 38 | 4 | 1 | 56 | 75 | 4 | 15 | M12 | 6.4 | |
| 25 | 34 | | 125 | 14 | 36.3 | 34.0 | 47 | 4 | 1 | 67 | 90 | 4 | 19 | M16 | 6.0 | |
| 32 | 42.7 | | 135 | 16 | 40.3 | 42.7 | 57 | 5 | 2 | 76 | 100 | 4 | 19 | M16 | 6.4 | |
| 40 | 48.6 | | 140 | 16 | 41.2 | 48.6 | 64 | 5 | 2 | 81 | 105 | 4 | 19 | M16 | 5.9 | |
| 50 | 60.5 | | 155 | 16 | 42.9 | 60.5 | 77 | 5 | 2 | 96 | 120 | 4 | 19 | M16 | 6.3 | |
| 65 | 76.3 | | 175 | 18 | 53.0 | 76.3 | 97 | 5 | 2 | 116 | 140 | 4 | 19 | M16 | 9.1 | |
| 80 | 89.1 | | 185 | 18 | 53.0 | 89.1 | 109 | 6 | 2 | 126 | 150 | 8 | 19 | M16 | 9.6 | |
| (90) | 101.6 | | 195 | 18 | 50.6 | 101.6 | 120 | 6 | 2 | 136 | 160 | 8 | 19 | M16 | 9.6 | |
| 100 | 114.3 | | 210 | 18 | 54.3 | 114.3 | 135 | 6 | 2 | 151 | 175 | 8 | 19 | M16 | 10.4 | |
| 125 | 139.8 | | 250 | 20 | 56.2 | 139.8 | 160 | 6 | 2 | 182 | 210 | 8 | 23 | M20 | 10.9 | |
| 150 | 165.2 | | 280 | 22 | 65.3 | 165.2 | 190 | 6 | 2 | 212 | 240 | 8 | 23 | M20 | 12.3 | |
| (175) | 190.7 | | 305 | 22 | 66.1 | 190.7 | 215 | 6 | 2 | 237 | 265 | 12 | 23 | M20 | 13.7 | |
| 200 | 216.3 | | 330 | 22 | 66.1 | 216.3 | 240 | 6 | 2 | 262 | 290 | 12 | 23 | M20 | 14.4 | |
| (225) | 241.8 | | 350 | 22 | 62.3 | 241.8 | 262 | 6 | 2 | 282 | 310 | 12 | 23 | M20 | 15.0 | |
| 250 | 267.4 | | 400 | 24 | 70.7 | 267.4 | 292 | 6 | 2 | 324 | 355 | 12 | 25 | M22 | 15.9 | |
| 300 | 318.5 | | 445 | 24 | 75.9 | 318.5 | 346 | 6 | 3 | 268 | 400 | 16 | 25 | M22 | 17.5 | |
| 350 | 355.6 | | 490 | 26 | 83.0 | 355.6 | 386 | 8 | 3 | 413 | 445 | 16 | 25 | M22 | 19.0 | |
| 400 | 406.4 | | 560 | 28 | 94.4 | 406.4 | 442 | 8 | 3 | 475 | 510 | 16 | 27 | M24 | 21.9 | |
| 450 | 457.2 | | 620 | 30 | 107.9 | 457.2 | 502 | 10 | 3 | 530 | 565 | 20 | 27 | M24 | 21.9 | |
| 500 | 508 | | 675 | 30 | 110.2 | 508.0 | 554 | 10 | 3 | 585 | 620 | 20 | 27 | M24 | 22.7 | |
| 550 | 558.8 | | 745 | 32 | 119.9 | 558.8 | 610 | 10 | 3 | 640 | 680 | 20 | 33 | M30 | 23.9 | |
| 600 | 609.6 | | 795 | 32 | 123.6 | 609.6 | 662 | 10 | 3 | 690 | 730 | 24 | 33 | M30 | 26.1 | |

1. *1 *2 *4 DIMENSIONS OF "T" "r" "S" "P" ARE MAKER, JUNG ANG'S STANDARD.
2. *2 UNDER NOMINAL SIZE 225m/m & UNDER DIMENSION OF "b" IS MAKER, JUNG ANG'S STANDARD.
3. ALL DIMENSIONS OF FLANGE WAS DESIGNED ON JIS B2220 & B1503 BASE

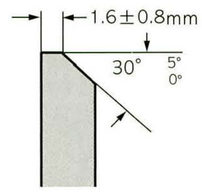
# 20Kg/Cm$^2$

## WELDING NECK STEEL PIPE FLANGES




*The surface finish shown above is in the case of forging (∇marks:in other cases)

Reference:Beveling




When particularly necessary, customers can order another beveling form the above.

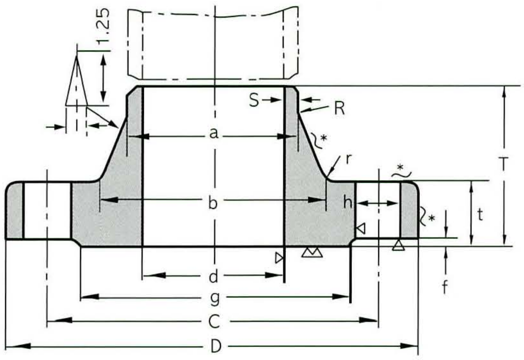
Unit:mm

| Nominal Diameter of Flange | Outside Diameter of Steel Pipe | Outside Diameter of Flange D | Sectional Dimensions of Flange | | | | | | | | | | Bolt Hole | | | Nominal Bolt Size | Approx Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | t | d | a | b | S | T | P | Radius | f | g | Bolt Diameter Circle C | Number of Bolt Holes | Diameter of Hole h | | |
| 10 | 17.3 | 90 | 14 | To be specified by purchaser. | 17.3 | 32 | To be specified by purchaser. | 35.9 | 3.5 | 4 | 1 | 46 | 65 | 4 | 15 | M12 | |
| 15 | 21.7 | 95 | 14 | | 21.7 | 36 | | 36.4 | 4.5 | 4 | 1 | 51 | 70 | 4 | 15 | M12 | |
| 20 | 27.2 | 100 | 16 | | 27.2 | 42 | | 40.9 | 6.4 | 4 | 1 | 56 | 75 | 4 | 15 | M12 | |
| 25 | 34.0 | 125 | 16 | | 34.0 | 50 | | 42.0 | 6.0 | 4 | 1 | 67 | 90 | 4 | 19 | M16 | |
| 32 | 42.7 | 135 | 18 | | 42.7 | 60 | | 46.0 | 6.4 | 5 | 2 | 76 | 100 | 4 | 19 | M16 | |
| 40 | 48.6 | 140 | 18 | | 48.6 | 66 | | 45.7 | 5.9 | 5 | 2 | 81 | 105 | 4 | 19 | M16 | |
| 50 | 60.5 | 155 | 18 | | 60.5 | 80 | | 48.7 | 6.3 | 5 | 2 | 96 | 120 | 8 | 19 | M16 | |
| 65 | 76.3 | 175 | 20 | | 76.3 | 104 | | 63.7 | 9.1 | 5 | 2 | 116 | 140 | 8 | 19 | M16 | |
| 80 | 89.1 | 200 | 22 | | 89.1 | 117 | | 66.5 | 9.6 | 6 | 2 | 132 | 160 | 8 | 23 | M20 | |
| 90 | 101.6 | 210 | 24 | | 101.6 | 130 | | 68.9 | 9.4 | 6 | 2 | 145 | 170 | 8 | 23 | M20 | |
| 100 | 114.3 | 225 | 24 | | 114.3 | 142 | | 69.0 | 10.4 | 6 | 2 | 160 | 185 | 8 | 23 | M20 | |
| 125 | 139.8 | 270 | 26 | | 139.8 | 172 | | 77.2 | 10.9 | 6 | 2 | 195 | 225 | 8 | 25 | M22 | |
| 150 | 165.2 | 305 | 28 | | 165.2 | 202 | | 86.3 | 123 | 6 | 2 | 230 | 260 | 12 | 25 | M22 | |
| 200 | 216.3 | 350 | 30 | | 216.3 | 252 | | 89.0 | 14.4 | 6 | 2 | 275 | 305 | 12 | 25 | M22 | |
| 250 | 267.4 | 430 | 34 | | 267.4 | 312 | | 105.7 | 15.9 | 6 | 2 | 345 | 380 | 12 | 27 | M24 | |
| 300 | 318.5 | 480 | 36 | | 318.5 | 364 | | 110.4 | 17.5 | 8 | 3 | 395 | 430 | 16 | 27 | M24 | |
| 350 | 355.6 | 540 | 40 | | 355.6 | 408 | | 124.5 | 19.0 | 8 | 3 | 440 | 480 | 16 | 33 | M30×3 | |
| 400 | 406.4 | 605 | 46 | | 406.4 | 456 | | 129.9 | 21.9 | 10 | 3 | 495 | 540 | 16 | 33 | M30×3 | |
| 450 | 457.2 | 675 | 48 | | 457.2 | 514 | | 140.9 | 21.9 | 10 | 3 | 560 | 605 | 20 | 33 | M30×3 | |
| 500 | 508.0 | 730 | 50 | | 508.0 | 568 | | 147.7 | 22.7 | 10 | 3 | 615 | 660 | 20 | 33 | M30×3 | |
| 550 | 558.8 | 795 | 52 | | 558.8 | 622 | | 154.9 | 23.9 | 10 | 3 | 670 | 720 | 20 | 39 | M36×3 | |
| 600 | 609.6 | 845 | 54 | | 609.6 | 676 | | 163.1 | 26.1 | 10 | 3 | 720 | 770 | 24 | 39 | M36×3 | |

NOTE: DIMENSIONS ARE MAKER JUNG ANG STANDARD AND DESIGN BASE IS JIS B2220-1984

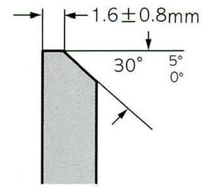
# 30Kg/Cm$^2$

## JIS B2220-1984(KSB 1503-1999)
## WELDING NECK STEEL PIPE FLANGES




*The surface finish shown above is in the case of forging (▽marks: in other cases)

### Reference:Beveling




When particularly necessary, customers can order another beveling form the above.

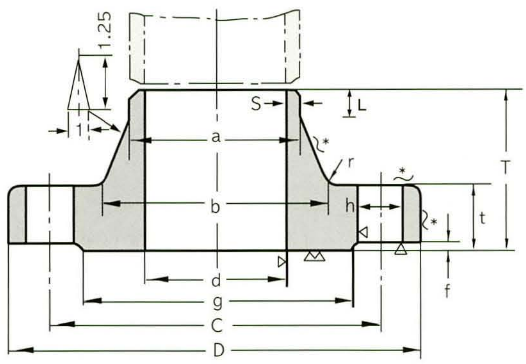
Unit: mm

| Nominal Diameter of Flange | Outside Diameter of Steel Pipe | Outside Diameter of Flange D | Sectional Dimensions of Flange | | | | | | | | | | Bolt Hole | | | Nomi -nal Bolt Size | Approx Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | t | d | a | b | s | T | R | Rad -ius r | f | g | Bolt Dia-meter Circle C | Num-ber of Bolt Holes | Hole Dia-meter h | | |
| 15 | 21.7 | 115 | 18 | 15.8 | 22.0 | 40 | 3.1 | 45 | 20 | 6 | 1 | 55 | 80 | 4 | 19 | M16 | 1.33 |
| 20 | 27.2 | 120 | 18 | 21.1 | 27.5 | 44 | 3.2 | 45 | 20 | 6 | 1 | 60 | 85 | 4 | 19 | M16 | 1.47 |
| 25 | 34.0 | 130 | 20 | 26.8 | 34.4 | 52 | 3.8 | 48 | 20 | 6 | 1 | 70 | 95 | 4 | 19 | M16 | 1.95 |
| 32 | 42.7 | 140 | 22 | 35.1 | 43.1 | 62 | 4.0 | 52 | 30 | 6 | 2 | 80 | 105 | 4 | 19 | M16 | 2.43 |
| 40 | 48.6 | 160 | 22 | 40.7 | 49.1 | 70 | 4.2 | 54 | 30 | 6 | 2 | 90 | 120 | 4 | 23 | M20 | 3.16 |
| 50 | 60.5 | 165 | 22 | 52.2 | 61.0 | 84 | 4.4 | 57 | 30 | 8 | 2 | 105 | 130 | 8 | 19 | M16 | 3.33 |
| 65 | 76.3 | 200 | 26 | 65.3 | 76.9 | 104 | 5.8 | 69 | 30 | 8 | 2 | 130 | 160 | 8 | 23 | M20 | 5.91 |
| 80 | 89.1 | 210 | 28 | 77.5 | 89.7 | 118 | 6.1 | 73 | 30 | 8 | 2 | 140 | 170 | 8 | 23 | M20 | 7.05 |
| (90) | 101.6 | 230 | 30 | 89.5 | 102.3 | 130 | 6.4 | 74 | 30 | 8 | 2 | 150 | 185 | 8 | 25 | M22 | 8.54 |
| 100 | 114.3 | 240 | 32 | 101.5 | 115.1 | 142 | 6.8 | 76 | 30 | 8 | 2 | 160 | 195 | 8 | 25 | M22 | 9.72 |
| 125 | 139.8 | 275 | 36 | 125.7 | 140.7 | 172 | 7.5 | 86 | 50 | 10 | 2 | 195 | 230 | 8 | 25 | M22 | 14.4 |
| 150 | 165.2 | 325 | 38 | 150.0 | 166.2 | 202 | 8.1 | 95 | 50 | 10 | 2 | 235 | 275 | 12 | 27 | M24 | 20.6 |
| 200 | 216.3 | 370 | 42 | 198.7 | 217.5 | 254 | 9.4 | 102 | 50 | 10 | 2 | 280 | 320 | 12 | 27 | M24 | 28.7 |
| 250 | 267.4 | 450 | 48 | 247.5 | 268.7 | 312 | 10.6 | 118 | 50 | 12 | 2 | 345 | 390 | 12 | 33 | M30×3 | 47.3 |
| 300 | 318.5 | 515 | 52 | 296.4 | 320.0 | 366 | 11.8 | 127 | 50 | 15 | 3 | 405 | 450 | 16 | 33 | M30×3 | 62.8 |
| 350 | 355.6 | 560 | 54 | 331.8 | 357.2 | 406 | 12.7 | 134 | 80 | 15 | 3 | 450 | 495 | 16 | 33 | M30×3 | 77.0 |
| 400 | 406.4 | 630 | 60 | 379.1 | 408.3 | 462 | 14.6 | 149 | 80 | 20 | 3 | 510 | 560 | 16 | 39 | M36×3 | 108.0 |

REMARKS:
1. Flange of parenthesized nominal diameter had better not be used.
2. The Flange gasket surface is based on "large raised facing" specified in JIS B2202. If necessary, customers can order for other types of facing.
3. Size d and Size S are example for schedule 40 of JIS G3454 and JIS G3456. Customers can also order for other sizes.
4. For dimensional tolerance, refer to JIS B2203.
5. Material
   Carbon Steel: S25C specified in JIS G4051, or SF45 specified in JIS G3201.
   Molybdenum Steel: ½Mo Steel specified in tables 1 and 2 of JIS B2215.
   Chromium-Molybdenum Steel: 1¼ Cr ½ Mo Steel specified in tables 1 and 2 of JIS B2215.

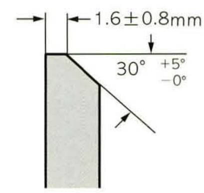
# 40Kg/Cm$^2$

## JIS B2219-1984
## WELDING NECK STEEL PIPE FLANGES




*The surface finish shown above is in the case of forging (∇marks:in other cases)

Reference:Beveling




When particularly necessary, customers can order another beveling form the above.

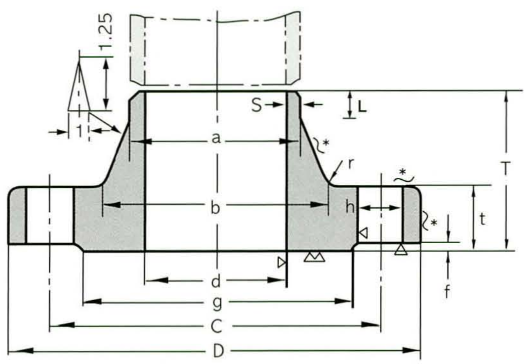
Unit:mm

| Nominal Diameter of Flange | Outside Diameter of Steel Pipe | Outside Daimeter of Flange D | Sectional Dimensions of Flange | | | | | | | | | | Bolt Hole | | | Nominal Bolt Size | Approx Weight(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | t | d | a | b | s | T | L | Radius r | f | g | Bolt Diameter Cirlce C | Number of Bolt Holes | Diameter of Hole h | | #40 | #80 |
| 15 | 21.7 | 115 | 20 | 15.8 | 21.7 | 40 | 3.1 | 50 | 10 | 6 | 1 | 55 | 80 | 4 | 19 | M16 | 1.53 | 1.55 |
| 20 | 27.2 | 120 | 20 | 21.1 | 27.2 | 44 | 3.2 | 50 | 10 | 6 | 1 | 60 | 85 | 4 | 19 | M16 | 1.72 | 1.74 |
| 25 | 34.0 | 130 | 22 | 26.8 | 34.0 | 52 | 3.8 | 52 | 12 | 6 | 1 | 70 | 95 | 4 | 19 | M16 | 2.24 | 2.28 |
| 32 | 42.7 | 140 | 24 | 35.1 | 42.7 | 62 | 4.0 | 56 | 14 | 6 | 2 | 80 | 105 | 4 | 19 | M16 | 2.24 | 2.86 |
| 40 | 48.6 | 160 | 24 | 40.7 | 48.6 | 70 | 4.2 | 60 | 14 | 6 | 2 | 90 | 120 | 4 | 23 | M20 | 2.93 | 3.01 |
| 50 | 60.5 | 165 | 26 | 52.2 | 60.5 | 84 | 4.4 | 64 | 16 | 8 | 2 | 105 | 130 | 8 | 19 | M16 | 4.2 | 4.41 |
| 65 | 76.3 | 200 | 30 | 65.3 | 76.3 | 104 | 5.8 | 75 | 18 | 8 | 2 | 130 | 160 | 8 | 23 | M20 | 7.32 | 7.52 |
| 80 | 89.1 | 210 | 32 | 77.5 | 89.1 | 118 | 6.1 | 80 | 18 | 8 | 2 | 140 | 170 | 8 | 23 | M20 | 8.47 | 8.80 |
| (90) | 104.6 | 230 | 34 | 89.5 | 104.6 | 130 | 6.4 | 88 | 18 | 8 | 2 | 150 | 185 | 8 | 25 | M22 | 9.4 | - |
| 100 | 114.3 | 250 | 36 | 101.5 | 114.3 | 148 | 6.8 | 90 | 24 | 8 | 2 | 165 | 205 | 8 | 25 | M22 | 13.25 | 13.82 |
| 125 | 139.8 | 300 | 40 | 125.7 | 139.8 | 186 | 7.5 | 108 | 26 | 10 | 2 | 200 | 250 | 8 | 27 | M24 | 21.64 | 22.5 |
| 150 | 165.2 | 355 | 44 | 150.0 | 165.2 | 218 | 8.1 | 122 | 30 | 10 | 2 | 240 | 295 | 12 | 33 | M30 | 32.45 | 35.1 |
| 200 | 216.3 | 405 | 50 | 198.7 | 216.3 | 272 | 9.4 | 132 | 38 | 10 | 2 | 290 | 345 | 12 | 33 | M30 | 45.5 | 47.2 |
| 250 | 267.4 | 475 | 56 | 247.5 | 267.4 | 338 | 10.6 | 138 | 44 | 12 | 2 | 355 | 410 | 12 | 33 | M30 | 69.6 | - |
| 300 | 318.5 | 540 | 60 | 296.4 | 318.5 | 400 | 11.8 | 159 | 48 | 15 | 3 | 410 | 470 | 16 | 39 | M36 | 96.0 | - |
| 350 | 355.6 | 585 | 64 | 331.8 | 355.6 | 432 | 12.7 | 168 | 50 | 15 | 3 | 455 | 515 | 16 | 39 | M36 | 115.0 | - |
| 400 | 406.4 | 645 | 70 | 379.1 | 406.4 | 466 | 14.6 | 181 | 50 | 20 | 3 | 515 | 570 | 16 | 39 | M36 | 143.0 | - |

REMARKS:1. Flange of parenthesized nominal diameter had better not be used.
2. The Flange gasket surface is based on "large raised facing" specified in JIS B2202. If necessary, customers can order for other types of facing.
3. Size d and Size S are example for schedule 40 of JIS G3456. Customers can also order for other sizes.
4. For dimensional tolerance, refer to JIS B2203.
5. T of 125 nominal Diameter is maker's standard.

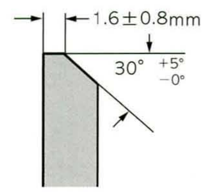
# 63Kg/Cm$^2$

## JIS B2220-1984(KSB 1503-1999)
## WELDING NECK STEEL PIPE FLANGES




*The surface finish shown above is in the case of forging (▽marks:in other cases)

### Reference:Beveling




When particularly necessary, customers can order another beveling form the above.

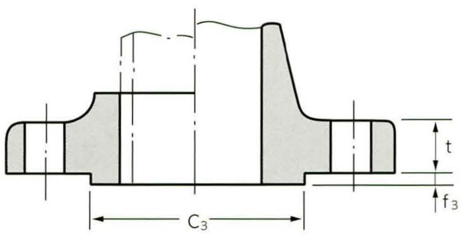
Unit:mm

| Nominal Diameter of Flange | Outside Diameter of Steel Pipe | Outside Daimeter of Flange D | Sectional Dimensions of Flange | | | | | | | | | | Bolt Hole | | | Nominal Bolt Size | Approx Weight(kg) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | t | d | a | b | s | T | L | Radius r | f | g | Bolt Diameter Cirlce C | Number of Bolt Holes | Diameter of Hole h | | #80 | #160 |
| 15 | 21.7 | 120 | 23 | To be specified by purchaser. | 21.7 | 45 | 3.1 | 60 | 10 | 6 | 1 | 55 | 85 | 4 | 19 | M16 | 2.07 | 2.09 |
| 20 | 27.2 | 135 | 25 | | 27.2 | 50 | 3.2 | 62 | 12 | 6 | 1 | 60 | 95 | 4 | 23 | M20 | 2.80 | 2.85 |
| 25 | 34.0 | 140 | 27 | | 34.0 | 54 | 3.8 | 62 | 13 | 6 | 1 | 70 | 100 | 4 | 23 | M20 | 3.29 | 3.33 |
| 32 | 42.7 | 150 | 31 | | 42.7 | 64 | 4.0 | 66 | 13 | 6 | 2 | 80 | 110 | 4 | 23 | M20 | 4.12 | 4.2 |
| 40 | 48.6 | 175 | 33 | | 48.6 | 78 | 4.2 | 78 | 14 | 6 | 2 | 90 | 130 | 4 | 25 | M22 | 6.17 | 6.31 |
| 50 | 60.5 | 185 | 35 | | 60.5 | 92 | 4.4 | 84 | 16 | 8 | 2 | 105 | 145 | 8 | 23 | M20 | 7.35 | 7.85 |
| 65 | 76.3 | 220 | 39 | | 76.3 | 114 | 5.8 | 96 | 18 | 10 | 2 | 130 | 175 | 8 | 25 | M22 | 11.85 | 12.22 |
| 80 | 89.1 | 230 | 41 | | 89.1 | 126 | 6.1 | 98 | 18 | 10 | 2 | 140 | 185 | 8 | 25 | M22 | 13.23 | 13.82 |
| (90) | 101.6 | 255 | 42 | | 101.6 | 140 | 6.4 | 126 | 18 | 10 | 2 | 150 | 205 | 8 | 27 | M24 | 15.2 | 15.8 |
| 100 | 114.3 | 270 | 45 | | 114.3 | 154 | 6.8 | 107 | 20 | 10 | 2 | 165 | 220 | 8 | 27 | M24 | 19.45 | 20.65 |
| 125 | 139.8 | 325 | 51 | | (139.8) | (190) | 7.5 | (128) | 24 | 12 | 2 | 200 | 265 | 8 | 33 | M30 | 31.40 | 34.0 |
| 150 | 165.2 | 365 | 55 | | 165.2 | 224 | 8.1 | 142 | 26 | 15 | 2 | 240 | 305 | 12 | 33 | M30 | 45.0 | 48.5 |
| 200 | 216.3 | 425 | 61 | | 216.3 | 274 | 9.4 | 151 | 30 | 15 | 2 | 290 | 360 | 12 | 33 | M30 | 63.60 | 70.7 |
| 250 | 267.4 | 500 | 69 | | 267.4 | 340 | 10.6 | 175 | 38 | 20 | 2 | 355 | 430 | 12 | 39 | M36 | 144.0 | - |
| 300 | 318.5 | 560 | 78 | | 318.5 | 402 | 11.8 | 286 | 44 | 23 | 3 | 410 | 485 | 16 | 39 | M36 | 154.0 | - |
| 350 | 355.6 | 615 | 82 | | 355.6 | 438 | 12.7 | 301 | 48 | 25 | 3 | 455 | 530 | 16 | 46 | M43 | 191 | - |
| 400 | 406.4 | 680 | 81 | | 406.4 | 490 | 14.6 | 314 | 48 | 25 | 3 | 515 | 590 | 16 | 46 | M43 | 247 | - |

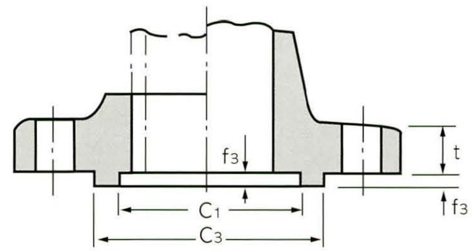
REMARKS: 1. Flange of parenthesized nominal diameter had better not be used.
2. The Flange gasket surface is based on "large raised facing" specified in JIS B2202. If necessary, customers can order for other types of facing.
3. Size d and Size are example for schedule 40 of JIS G3454 and JIS G3456. Customers can also order for oterh sizes.
4. For dimensional tolerance, refer to JIS B2203.
5. The dimensime of ( ) are maker's standard.

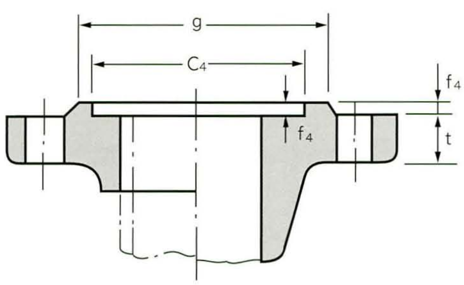
# FACING 2

MALE FACE

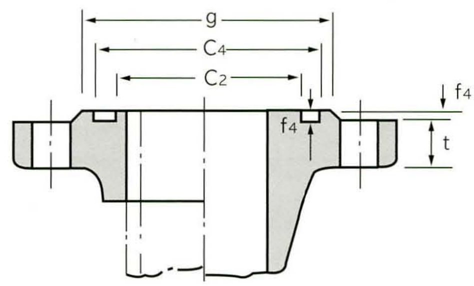



TONGUG FACE




FEMALE FACE




GROOVE FACE

Unit : mm

| Nominal Dia. of Flange | Male & Female Type | | | | Tongue & Groove Type | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | $C_3$ | $C_4$ | $f_3$ | $f_4$ | $C_1$ | $C_3$ | $f_3$ | $C_2$ | $C_4$ | $f_4$ |
| 10 | 38 | 39 | 6 | 5 | 28 | 38 | 6 | 27 | 39 | 5 |
| 15 | 42 | 43 | 6 | 5 | 32 | 42 | 6 | 31 | 43 | 5 |
| 20 | 50 | 51 | 6 | 5 | 38 | 50 | 6 | 37 | 51 | 5 |
| 25 | 60 | 61 | 6 | 5 | 45 | 60 | 6 | 44 | 61 | 5 |
| 32 | 70 | 71 | 6 | 5 | 55 | 70 | 6 | 54 | 71 | 5 |
| 40 | 75 | 76 | 6 | 5 | 60 | 75 | 6 | 59 | 76 | 5 |
| 50 | 90 | 91 | 6 | 5 | 70 | 90 | 6 | 69 | 91 | 5 |
| 65 | 110 | 111 | 6 | 5 | 90 | 110 | 6 | 89 | 111 | 5 |
| 80 | 120 | 121 | 6 | 5 | 100 | 120 | 6 | 99 | 121 | 5 |
| 90 | 130 | 131 | 6 | 5 | 110 | 130 | 6 | 109 | 131 | 5 |
| 100 | 145 | 146 | 6 | 5 | 125 | 145 | 6 | 124 | 146 | 5 |
| 125 | 175 | 176 | 6 | 5 | 150 | 175 | 6 | 149 | 176 | 5 |
| 150 | 215 | 216 | 6 | 5 | 190 | 215 | 6 | 189 | 216 | 5 |
| 200 | 260 | 261 | 6 | 5 | 230 | 260 | 6 | 229 | 261 | 5 |
| 250 | 325 | 326 | 6 | 5 | 295 | 325 | 6 | 294 | 326 | 5 |
| 300 | 375 | 376 | 6 | 5 | 340 | 375 | 6 | 339 | 376 | 5 |
| 350 | 415 | 416 | 6 | 5 | 380 | 415 | 6 | 379 | 416 | 5 |
| 400 | 475 | 476 | 6 | 5 | 440 | 475 | 6 | 439 | 476 | 5 |

1. $f_3$ and $f_4$ dimensions can be made a little larger depending on gasket type.
2. Size g. for male & female type and tongue & groove type. shall correspond to size g of large raised facing with each of nominal pressures stated in facing 1.
3. Dimensional tolerances for pipe flage facing are based on KS B1502(JIS B2203).