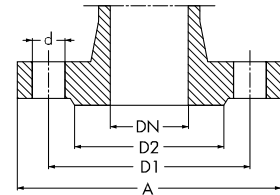


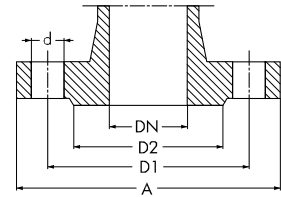
flange dimensions and drilling to DIN 2501

DN = diameter nominal
 (size) A = flange \varnothing
 D_2 = diameter of raised face
 \varnothing
 D_1 = diameter of bolt circle \varnothing
 n = number of bolts
 d = diameter of bolt holes
 \square = not standardized



| DN | | PN 6 | PN 10 | PN 16 | PN 25 | PN 40 | PN63 | PN 100 | PN 160 | PN 250 | PN 320 |
|-------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | DIN 2631 | DIN 2632 | DIN 2633 | DIN 2634 | DIN 2635 | DIN 2636 | DIN 2637 | DIN 2638 | DIN 2628 | DIN 2629 |
| 10 | A | 75 | 90 | 90 | 90 | 90 | 100 | 100 | 100 | 125 | 125 |
| | D_1 | 50 | 60 | 60 | 60 | 60 | 70 | 70 | 70 | 85 | 85 |
| | D_2 | 35 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| | n x d | 4 x 11 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 18 | 4 x 18 |
| 15 | A | 80 | 95 | 95 | 95 | 95 | 105 | 105 | 105 | 130 | 130 |
| | D_1 | 55 | 65 | 65 | 65 | 65 | 75 | 75 | 75 | 90 | 90 |
| | D_2 | 40 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| | n x d | 4 x 11 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 18 | 4 x 18 |
| 20 | A | 90 | 105 | 105 | 105 | 105 | | | | | |
| | D_1 | 65 | 75 | 75 | 75 | 75 | | | | | |
| | D_2 | 50 | 58 | 58 | 58 | 58 | | | | | |
| | n x d | 4 x 11 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | | | | | |
| 25 | A | 100 | 115 | 115 | 115 | 115 | 140 | 140 | 140 | 150 | 160 |
| | D_1 | 75 | 85 | 85 | 85 | 85 | 100 | 100 | 100 | 105 | 115 |
| | D_2 | 60 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| | n x d | 4 x 11 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 14 | 4 x 18 | 4 x 18 | 4 x 18 | 4 x 22 | 4 x 22 |
| 32 | A | 120 | 140 | 140 | 140 | 140 | | | | | |
| | D_1 | 90 | 100 | 100 | 100 | 100 | | | | | |
| | D_2 | 70 | 78 | 78 | 78 | 78 | | | | | |
| | n x d | 4 x 14 | 4 x 18 | 4 x 18 | 4 x 18 | 4 x 18 | | | | | |
| 40 | A | 130 | 150 | 150 | 150 | 150 | 170 | 170 | 170 | 185 | 195 |
| | D_1 | 100 | 110 | 110 | 110 | 110 | 125 | 125 | 125 | 135 | 145 |
| | D_2 | 80 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 |
| | n x d | 4 x 14 | 4 x 18 | 4 x 18 | 4 x 18 | 4 x 18 | 4 x 22 | 4 x 22 | 4 x 22 | 4 x 26 | 4 x 26 |
| 50 | A | 140 | 165 | 165 | 165 | 165 | 180 | 195 | 195 | 200 | 210 |
| | D_1 | 110 | 125 | 125 | 125 | 125 | 135 | 145 | 145 | 150 | 160 |
| | D_2 | 90 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 |
| | n x d | 4 x 14 | 4 x 18 | 4 x 18 | 4 x 18 | 4 x 18 | 4 x 22 | 4 x 26 | 4 x 26 | 8 x 26 | 8 x 26 |
| 65 | A | 160 | 185 | 185 | 185 | 185 | 205 | 220 | 220 | 230 | 255 |
| | D_1 | 130 | 145 | 145 | 145 | 145 | 160 | 170 | 170 | 180 | 200 |
| | D_2 | 110 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 | 122 |
| | n x d | 4 x 14 | 4 x 18 | 4 x 18 | 8 x 18 | 8 x 18 | 8 x 22 | 8 x 26 | 8 x 26 | 8 x 26 | 8 x 30 |
| 80 | A | 190 | 200 | 200 | 200 | 200 | 215 | 230 | 230 | 255 | 275 |
| | D_1 | 150 | 160 | 160 | 160 | 160 | 170 | 180 | 180 | 200 | 220 |
| | D_2 | 128 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 |
| | n x d | 4 x 18 | 8 x 18 | 8 x 18 | 8 x 18 | 8 x 18 | 8 x 22 | 8 x 26 | 8 x 26 | 8 x 30 | 8 x 30 |
| 100 | A | 210 | 220 | 220 | 235 | 235 | 250 | 265 | 265 | 300 | 335 |
| | D_1 | 170 | 180 | 180 | 190 | 190 | 200 | 210 | 210 | 235 | 265 |
| | D_2 | 148 | 158 | 158 | 162 | 162 | 162 | 162 | 162 | 162 | 162 |
| | n x d | 4 x 18 | 8 x 18 | 8 x 18 | 8 x 22 | 8 x 22 | 8 x 26 | 8 x 30 | 8 x 30 | 8 x 33 | 8 x 36 |
| 125 | A | 240 | 250 | 250 | 270 | 270 | 295 | 315 | 315 | 340 | 380 |
| | D_1 | 200 | 210 | 210 | 220 | 220 | 240 | 250 | 250 | 275 | 310 |
| | D_2 | 178 | 188 | 188 | 188 | 188 | 188 | 188 | 188 | 188 | 188 |
| | n x d | 8 x 18 | 8 x 18 | 8 x 18 | 8 x 26 | 8 x 26 | 8 x 30 | 8 x 33 | 8 x 33 | 12 x 33 | 12 x 36 |
| 150 | A | 265 | 285 | 285 | 300 | 300 | 345 | 355 | 355 | 390 | 425 |
| | D_1 | 225 | 240 | 240 | 250 | 250 | 280 | 290 | 290 | 320 | 350 |
| | D_2 | 202 | 212 | 212 | 218 | 218 | 218 | 218 | 218 | 218 | 218 |
| | n x d | 8 x 18 | 8 x 22 | 8 x 22 | 8 x 26 | 8 x 26 | 8 x 33 | 12 x 33 | 12 x 33 | 12 x 36 | 12 x 39 |
| (175) | A | | 315 | 315 | 330 | 350 | 375 | 385 | 390 | 430 | 485 |
| | D_1 | | 270 | 270 | 280 | 295 | 310 | 320 | 320 | 355 | 400 |
| | D_2 | | 242 | 242 | 248 | 260 | 260 | 260 | 260 | 260 | 260 |
| | n x d | | 8 x 22 | 8 x 22 | 12 x 26 | 12 x 30 | 12 x 33 | 12 x 33 | 12 x 36 | 12 x 39 | 12 x 42 |
| 200 | A | 320 | 340 | 340 | 360 | 375 | 415 | 430 | 430 | 485 | 525 |
| | D_1 | 280 | 295 | 295 | 310 | 320 | 345 | 360 | 360 | 400 | 440 |
| | D_2 | 258 | 268 | 268 | 278 | 285 | 285 | 285 | 285 | 285 | 285 |
| | n x d | 8 x 18 | 8 x 22 | 12 x 22 | 12 x 26 | 12 x 30 | 12 x 36 | 12 x 36 | 12 x 36 | 12 x 42 | 16 x 42 |
| 250 | A | 375 | 395 | 405 | 425 | 450 | 470 | 505 | 515 | 585 | 640 |
| | D_1 | 335 | 350 | 355 | 370 | 385 | 400 | 430 | 430 | 490 | 540 |
| | D_2 | 312 | 320 | 320 | 335 | 345 | 345 | 345 | 345 | 345 | 345 |
| | n x d | 12 x 18 | 12 x 22 | 12 x 26 | 12 x 30 | 12 x 33 | 12 x 36 | 12 x 39 | 12 x 42 | 16 x 48 | 16 x 52 |

flange dimensions and drilling to DIN 2501



DN = diameter nominal (size)
 A = flange \varnothing
 D₂ = diameter of raised face
 \varnothing
 D₁ = diameter of bolt circle \varnothing
 n = number of bolts
 d = diameter of bolt holes
 \varnothing

□ = not standardized

| DN | | PN 6 | PN 10 | PN 16 | PN 25 | PN 40 | PN63 | PN 100 | PN 160 | PN 250 | PN 320 |
|-------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | DIN 2631 | DIN 2632 | DIN 2633 | DIN 2634 | DIN 2635 | DIN 2636 | DIN 2637 | DIN 2638 | DIN 2628 | DIN 2629 |
| 300 | A | 440 | 445 | 460 | 485 | 515 | 530 | 585 | 585 | 690 | |
| | D ₁ | 395 | 400 | 410 | 430 | 450 | 460 | 500 | 500 | 590 | |
| | D ₂ | 365 | 370 | 378 | 395 | 410 | 410 | 410 | 410 | 410 | |
| | n x d | 12 x 22 | 12 x 22 | 12 x 26 | 16 x 30 | 16 x 33 | 16 x 36 | 16 x 42 | 16 x 42 | 16 x 52 | |
| 350 | A | 490 | 505 | 520 | 555 | 580 | 600 | 655 | | | |
| | D ₁ | 445 | 460 | 470 | 490 | 510 | 525 | 560 | | | |
| | D ₂ | 415 | 430 | 438 | 450 | 465 | 465 | 465 | | | |
| | n x d | 12 x 22 | 16 x 22 | 16 x 26 | 16 x 33 | 16 x 36 | 16 x 39 | 16 x 48 | | | |
| 400 | A | 540 | 565 | 580 | 620 | 660 | 670 | 715 | | | |
| | D ₁ | 495 | 515 | 525 | 550 | 585 | 585 | 620 | | | |
| | D ₂ | 465 | 482 | 490 | 505 | 535 | 535 | 535 | | | |
| | n x d | 16 x 22 | 16 x 26 | 16 x 30 | 16 x 36 | 16 x 39 | 16 x 42 | 16 x 48 | | | |
| (450) | A | 595 | 615 | 640 | | 685 | | | | | |
| | D ₁ | 550 | 565 | 585 | | 610 | | | | | |
| | D ₂ | 520 | 532 | 550 | | 560 | | | | | |
| | n x d | 16 x 22 | 20 x 26 | 20 x 30 | | 20 x 39 | | | | | |
| 500 | A | 645 | 670 | 715 | 730 | 755 | 800 | 870 | | | |
| | D ₁ | 600 | 620 | 650 | 660 | 670 | 705 | 760 | | | |
| | D ₂ | 570 | 585 | 610 | 615 | 615 | 615 | 615 | | | |
| | n x d | 20 x 22 | 20 x 26 | 20 x 33 | 20 x 36 | 20 x 42 | 20 x 48 | 20 x 56 | | | |
| 600 | A | 755 | 780 | 840 | 845 | 890 | 930 | 990 | | | |
| | D ₁ | 705 | 725 | 770 | 770 | 795 | 820 | 875 | | | |
| | D ₂ | 670 | 685 | 725 | 720 | 735 | 735 | 735 | | | |
| | n x d | 20 x 26 | 20 x 30 | 20 x 36 | 20 x 39 | 20 x 48 | 20 x 56 | 20 x 62 | | | |
| 700 | A | 860 | 895 | 910 | 960 | 995 | 1045 | 1145 | | | |
| | D ₁ | 810 | 840 | 840 | 875 | 900 | 935 | 1020 | | | |
| | D ₂ | 775 | 800 | 795 | 820 | 840 | 840 | 840 | | | |
| | n x d | 24 x 26 | 24 x 30 | 24 x 36 | 24 x 42 | 24 x 48 | 24 x 56 | 24 x 70 | | | |
| 800 | A | 975 | 1015 | 1025 | 1085 | 1140 | 1165 | | | | |
| | D ₁ | 920 | 950 | 950 | 990 | 1030 | 1050 | | | | |
| | D ₂ | 880 | 905 | 900 | 930 | 960 | 960 | | | | |
| | n x d | 24 x 30 | 24 x 33 | 24 x 39 | 24 x 48 | 24 x 56 | 24 x 62 | | | | |
| 900 | A | 1075 | 1115 | 1125 | 1185 | 1250 | 1285 | | | | |
| | D ₁ | 1020 | 1050 | 1050 | 1090 | 1140 | 1170 | | | | |
| | D ₂ | 980 | 1005 | 1000 | 1030 | 1070 | 1070 | | | | |
| | n x d | 24 x 30 | 28 x 33 | 28 x 39 | 28 x 48 | 28 x 56 | 28 x 62 | | | | |
| 1000 | A | 1175 | 1230 | 1255 | 1320 | 1360 | 1415 | | | | |
| | D ₁ | 1120 | 1160 | 1170 | 1210 | 1250 | 1290 | | | | |
| | D ₂ | 1080 | 1110 | 1115 | 1140 | 1180 | 1180 | | | | |
| | n x d | 28 x 30 | 28 x 36 | 28 x 42 | 28 x 56 | 28 x 56 | 28 x 70 | | | | |
| 1200 | A | 1405 | 1455 | 1485 | 1530 | 1575 | 1665 | | | | |
| | D ₁ | 1340 | 1380 | 1390 | 1420 | 1460 | 1530 | | | | |
| | D ₂ | 1295 | 1330 | 1330 | 1350 | 1380 | 1380 | | | | |
| | n x d | 32 x 33 | 32 x 39 | 32 x 48 | 32 x 56 | 32 x 62 | 32 x 78 | | | | |
| 1400 | A | 1630 | 1675 | 1685 | 1755 | 1795 | | | | | |
| | D ₁ | 1560 | 1590 | 1590 | 1640 | 1680 | | | | | |
| | D ₂ | 1510 | 1535 | 1530 | 1560 | 1600 | | | | | |
| | n x d | 36 x 36 | 36 x 42 | 36 x 48 | 36 x 62 | 36 x 62 | | | | | |
| 1600 | A | 1830 | 1915 | 1930 | 1975 | 2025 | | | | | |
| | D ₁ | 1760 | 1820 | 1820 | 1860 | 1900 | | | | | |
| | D ₂ | 1710 | 1760 | 1750 | 1780 | 1815 | | | | | |
| | n x d | 40 x 36 | 40 x 48 | 40 x 56 | 40 x 62 | 40 x 70 | | | | | |
| 1800 | A | 2045 | 2115 | 2130 | 2195 | | | | | | |
| | D ₁ | 1970 | 2020 | 2020 | 2070 | | | | | | |
| | D ₂ | 1920 | 1960 | 1950 | 1985 | | | | | | |
| | n x d | 44 x 39 | 44 x 48 | 44 x 56 | 44 x 70 | | | | | | |
| 2000 | A | 2265 | 2325 | 2345 | 2425 | | | | | | |
| | D ₁ | 2180 | 2230 | 2230 | 2300 | | | | | | |
| | D ₂ | 2125 | 2170 | 2150 | 2210 | | | | | | |
| | n x d | 48 x 42 | 48 x 48 | 48 x 62 | 48 x 70 | | | | | | |

dimensions in mm