



MATTHEW DAVIS Australia Pty. Ltd.

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Data Sheet for Steel Australian & DIN Standard Flanges

AS 2129 FLANGES

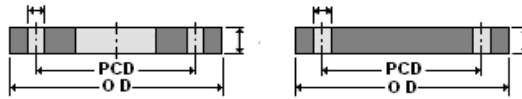


PLATE SLIP-ON WELDING

BLANK

TABLE D

| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65# | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|------|------|------|------|------|
| OD OF FLANGE | 95 | 100 | 115 | 120 | 135 | 150 | 165 | 185 | 215 | 255 | 280 | 335 | 405 | 455 | 525 | 580 | 640 | 705 | 825 |
| PCD | 67 | 73 | 83 | 87 | 98 | 114 | 127 | 146 | 178 | 210 | 235 | 292 | 356 | 406 | 470 | 521 | 584 | 641 | 756 |
| THICKNESS* | 5 | 5 | 5 | 6 | 6 | 8 | 8 | 10 | 10 | 13 | 13 | 13 | 16 | 19 | 22 | 22 | 25 | 29 | 32 |
| No BOLTS | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 12 | 12 | 12 | 12 | 16 | 16 |
| BOLT SIZE | M12 | M12 | M12 | M12 | M12 | M16 | M16 | M16 | M16 | M16 | M16 | M16 | M20 | M20 | M24 | M24 | M24 | M24 | M27 |
| BOLT LENGTH*** | 45 | 45 | 45 | 50 | 50 | 60 | 60 | 60 | 65 | 65 | 65 | 70 | 75 | 85 | 100 | 95 | 100 | 110 | 120 |
| WEIGHT Kg SOW | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.9 | 1.1 | 1.6 | 2.1 | 3.7 | 4.1 | 5.1 | 8.8 | 11.9 | 20.2 | 23.1 | 30.7 | 42.4 | 60.2 |

TABLE E

| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65# | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|
| OD OF FLANGE | 95 | 100 | 115 | 120 | 135 | 150 | 165 | 185 | 215 | 255 | 280 | 335 | 405 | 455 | 525 | 580 | 640 | 705 | 825 |
| PCD | 67 | 73 | 83 | 87 | 98 | 114 | 127 | 146 | 178 | 210 | 235 | 292 | 356 | 406 | 470 | 521 | 584 | 641 | 756 |
| THICKNESS* | 6 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 13 | 14 | 17 | 19 | 22 | 25 | 29 | 32 | 35 | 38 | 48 |
| No BOLTS | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 12 | 12 | 12 | 12 | 16 | 16 | 16 |
| BOLT SIZE | M12 | M12 | M12 | M12 | M12 | M16 | M16 | M16 | M16 | M16 | M20 | M20 | M20 | M24 | M24 | M24 | M24 | M24 | M30 |
| BOLT LENGTH*** | 45 | 45 | 45 | 50 | 50 | 60 | 60 | 60 | 65 | 65 | 70 | 75 | 75 | 90 | 100 | 95 | 100 | 110 | 140 |
| WEIGHT Kg SOW | 0.3 | 0.4 | 0.5 | 0.6 | 0.9 | 1.2 | 1.3 | 1.8 | 2.7 | 3.9 | 5.3 | 7.5 | 12.1 | 15.6 | 26.6 | 33.6 | 42.9 | 55.5 | 90.3 |

TABLE H

| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65# | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|-----|-----|
| OD OF FLANGE | 115 | 115 | 120 | 135 | 140 | 165 | 185 | 205 | 230 | 280 | 305 | 370 | 430 | 490 | 550 | 610 | 675 | 735 | 850 |
| PCD | 83 | 83 | 87 | 98 | 105 | 127 | 146 | 165 | 191 | 235 | 260 | 342 | 381 | 438 | 495 | 552 | 610 | 673 | 781 |
| THICKNESS* | 13 | 13 | 14 | 17 | 17 | 19 | 19 | 22 | 25 | 29 | 29 | 32 | 35 | 41 | 48 | 54 | 60 | 67 | 76 |
| No BOLTS | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 12 | 12 | 12 | 16 | 16 | 20 | 20 | 24 | 24 |
| BOLT SIZE | M16 | M16 | M16 | M16 | M16 | M16 | M16 | M16 | M16 | M20 | M20 | M20 | M24 | M24 | M27 | M30 | M30 | M30 | M33 |
| BOLT LENGTH*** | 60 | 60 | 60 | 65 | 65 | 75 | 75 | 75 | 85 | 100 | 100 | 100 | 120 | 120 | 130 | 140 | 160 | 150 | 180 |
| WEIGHT Kg SOW | 1 | 1 | 1.2 | 1.7 | 1.8 | 2.8 | 3.4 | 4.7 | 6.2 | 10.6 | 11.8 | 17.6 | 23.7 | 34.1 | 52.1 | 68.7 | 90.8 | 116 | 163 |

* THICKNESS OF PLATE FLANGE - NOTE IT IS NOT PRACTICAL TO PROVIDE PLATE FLANGES LESS THAN 12mm THICK

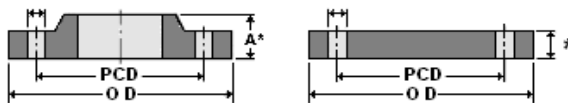
NOTE, THE EXACT OD OF PIPE MUST BE NOMINATED

*** LENGTHS OF BOLTS FOR PLATE STEEL FLANGES

OTHER NOTES: DIMENSIONS ARE IN MM

LARGER SIZES AVAILABLE ON REQUEST

BS 4504 PN16 FLANGES



DIN BOSSED

BLANK

DIN - PN16

| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|------|------|
| OD OF FLANGE | 95 | 105 | 115 | 140 | 150 | 165 | 185 | 200 | 220 | 250 | 285 | 340 | 405 | 460 | 520 | 580 | 640 | 715 | 840 |
| PCD | 65 | 75 | 85 | 100 | 110 | 125 | 145 | 160 | 180 | 210 | 240 | 295 | 355 | 410 | 470 | 525 | 585 | 650 | 770 |
| THICKNESS - A* | 14 | 16 | 16 | 16 | 16 | 18 | 18 | 20 | 20 | 22 | 22 | 24 | 28 | 28 | 30 | 32 | 36 | 36 | 44 |
| No BOLTS | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 12 | 12 | 12 | 16 | 16 | 20 | 20 | 20 |
| BOLT SIZE | M12 | M12 | M12 | M16 | M16 | M16 | M16 | M16 | M16 | M16 | M20 | M20 | M24 | M24 | M24 | M27 | M27 | M30 | M33 |
| BOLT LENGTH*** | 50 | 55 | 55 | 60 | 60 | 65 | 65 | 70 | 75 | 80 | 90 | 90 | 100 | 100 | 120 | 120 | 130 | 140 | 140 |
| WEIGHT Kg SOW | 0.7 | 1 | 1.2 | 1.7 | 1.9 | 2.4 | 3.2 | 4.1 | 4.4 | 5 | 7.3 | 9.3 | 10.1 | 14.5 | 24.5 | 28.8 | 31 | 42.8 | 53.5 |

* THICKNESS OF FLANGE INCLUDES BOSS FOR SLIP-ONS, BLANKS WILL BE WITHOUT BOSS

NOTE, THE EXACT OD OF PIPE MUST BE NOMINATED

*** LENGTHS OF BOLTS FOR PLATE STEEL FLANGES

OTHER NOTES: DIMENSIONS ARE IN MM

LARGER SIZES AVAILABLE ON REQUEST

Leaders in Valves, Pipe, Hose and Fittings



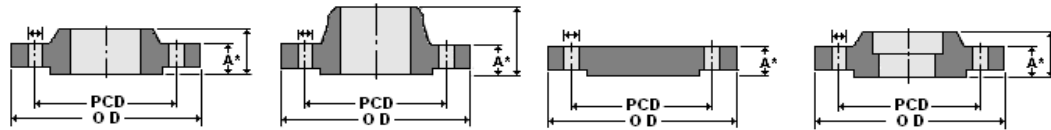
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Data Sheet for Steel ANSI Standard Flanges

FLANGE ASME B16.5 FORGED FLANGES



| CLASS 150 | | | | | | | | | | | | | | | | | | | |
|-------------------|--------------|-----|------|-----------|------|------|-------|-----|-----|-------------|------|------|------|------|------|------|------|------|------|
| | SLIP-ON WELD | | | WELD NECK | | | BLANK | | | SOCKET WELD | | | | | | | | | |
| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| OD OF FLANGE | 90 | 100 | 110 | 120 | 130 | 150 | 180 | 190 | 230 | 255 | 280 | 345 | 405 | 485 | 535 | 600 | 635 | 700 | 815 |
| PCD | 60.5 | 70 | 79.5 | 89 | 98.5 | 121 | 140 | 153 | 191 | 216 | 242 | 299 | 362 | 432 | 476 | 540 | 578 | 635 | 750 |
| MIN THICK - A* | 11.5 | 13 | 14.5 | 16 | 17.5 | 19.5 | 22.5 | 24 | 24 | 24 | 25.5 | 29 | 30.5 | 32 | 35 | 37 | 40 | 43 | 48 |
| HUB LENGTH SOW | 16 | 16 | 17 | 21 | 22 | 25 | 29 | 30 | 33 | 36 | 40 | 44 | 49 | 56 | 57 | 64 | 68 | 73 | 83 |
| HUB LENGTH W/N | 48 | 52 | 56 | 57 | 62 | 64 | 70 | 70 | 76 | 89 | 89 | 102 | 102 | 114 | 127 | 127 | 140 | 145 | 152 |
| BOLT HOLE DIA | 16 | 16 | 16 | 16 | 16 | 20 | 20 | 20 | 20 | 22 | 22 | 22 | 26 | 26 | 30 | 30 | 33 | 33 | 36 |
| No BOLTS | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 12 | 12 | 12 | 16 | 16 | 20 | 20 |
| WEIGHT Kg SOW | 0.5 | 0.7 | 1 | 1.1 | 1.4 | 2.2 | 3.8 | 4.1 | 5.9 | 6.1 | 8.2 | 12.7 | 17.2 | 27.2 | 35.4 | 42.2 | 52.6 | 65.3 | 91.6 |
| WEIGHT Kg W/N | 0.8 | 0.9 | 1.1 | 1.4 | 1.8 | 2.8 | 4.4 | 5.2 | 7.5 | 9.5 | 11.3 | 19.1 | 25.4 | 38.1 | 51.3 | 63.5 | 74.9 | 89.4 | 122 |

| CLASS 300 | | | | | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|-----|------|------|-----|------|------|------|------|------|------|------|------|------|------|-----|
| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| OD OF FLANGE | 95 | 120 | 125 | 135 | 155 | 165 | 190 | 210 | 255 | 280 | 320 | 380 | 445 | 520 | 585 | 650 | 710 | 775 | 915 |
| PCD | 66.5 | 82.5 | 89 | 98.5 | 115 | 127 | 149 | 169 | 200 | 235 | 270 | 330 | 388 | 451 | 515 | 572 | 629 | 686 | 813 |
| MIN THICK - A* | 14.5 | 16 | 17.5 | 19.5 | 21 | 22.5 | 25.5 | 29 | 32 | 35 | 37 | 41.5 | 48 | 51 | 54 | 57.5 | 60.5 | 63.5 | 70 |
| HUB LENGTH SOW | 22 | 25 | 27 | 27 | 30 | 33 | 38 | 43 | 48 | 51 | 52 | 62 | 67 | 73 | 76 | 83 | 89 | 95 | 106 |
| HUB LENGTH W/N | 52 | 57 | 62 | 65 | 68 | 70 | 76 | 79 | 86 | 98 | 98 | 111 | 117 | 130 | 143 | 146 | 159 | 162 | 168 |
| BOLT HOLE DIA | 16 | 20 | 20 | 20 | 22 | 20 | 22 | 22 | 22 | 22 | 22 | 26 | 30 | 33 | 33 | 36 | 36 | 36 | 42 |
| No BOLTS | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 16 | 16 | 20 | 20 | 24 | 24 | 24 |
| WEIGHT Kg SOW | 0.7 | 1.3 | 1.4 | 2 | 2.8 | 3.1 | 4.5 | 6.1 | 9.5 | 12.7 | 16.3 | 25.4 | 35.4 | 50.8 | 72.2 | 95.3 | 115 | 139 | 222 |
| WEIGHT Kg W/N | 0.9 | 1.4 | 1.8 | 2.3 | 3.1 | 3.7 | 5.6 | 8.2 | 11.8 | 16.3 | 20 | 32.2 | 45.4 | 64.4 | 93.5 | 113 | 138 | 168 | 236 |

| CLASS 600 | | | | | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|-----|-----|------|------|------|------|------|------|-----|------|-----|-----|-----|
| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| OD OF FLANGE | 95 | 120 | 125 | 135 | 155 | 165 | 190 | 210 | 275 | 330 | 355 | 420 | 510 | 560 | 605 | 685 | 745 | 815 | 940 |
| PCD | 66.5 | 82.5 | 89 | 98.5 | 115 | 127 | 149 | 169 | 216 | 267 | 292 | 349 | 432 | 489 | 527 | 603 | 654 | 724 | 838 |
| MIN THICK - A* | 14.5 | 16 | 17.5 | 21 | 22.5 | 26.5 | 29 | 32 | 38.5 | 44.5 | 48 | 55.5 | 63.5 | 66.5 | 70 | 76.5 | 83 | 89 | 102 |
| HUB LENGTH SOW | 22 | 25 | 27 | 29 | 32 | 37 | 41 | 46 | 54 | 60 | 67 | 76 | 86 | 92 | 94 | 106 | 117 | 127 | 140 |
| HUB LENGTH W/N | 52 | 57 | 62 | 67 | 70 | 73 | 79 | 83 | 102 | 114 | 117 | 133 | 152 | 156 | 165 | 178 | 184 | 190 | 203 |
| BOLT HOLE DIA | 16 | 20 | 20 | 20 | 22 | 20 | 22 | 22 | 26 | 30 | 30 | 33 | 36 | 36 | 39 | 42 | 45 | 45 | 52 |
| No BOLTS | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 16 | 20 | 20 | 20 | 20 | 24 | 24 |
| WEIGHT Kg SOW | 0.9 | 1.4 | 1.6 | 2 | 3 | 3.6 | 5.5 | 6.8 | 15 | 28.6 | 36.3 | 44 | 80.4 | 97.6 | 118 | 166 | 216 | 278 | 398 |
| WEIGHT Kg W/N | 1.4 | 1.6 | 1.8 | 2.5 | 3.6 | 4.5 | 6.4 | 8.2 | 16.8 | 30.9 | 38.1 | 50.6 | 85.8 | 103 | 158 | 218 | 252 | 313 | 444 |

| CLASS 900 | | | | | | | | | | | | | | | | | | | |
|-------------------|----------------------------------|----|----|----|----|----|----|------|------|------|------|------|-----|------|-----|-----|-----|-----|------|
| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| OD OF FLANGE | | | | | | | | 240 | 295 | 350 | 380 | 470 | 545 | 610 | 640 | 705 | 785 | 855 | 1040 |
| PCD | | | | | | | | 191 | 235 | 280 | 318 | 394 | 470 | 534 | 559 | 616 | 686 | 750 | 902 |
| MIN THICK - A* | | | | | | | | 38.5 | 44.5 | 51 | 56 | 63.5 | 70 | 79.5 | 86 | 89 | 102 | 108 | 140 |
| HUB LENGTH SOW | USE CLASS 1500 DIMENSIONS | | | | | | | 54 | 70 | 79 | 86 | 102 | 108 | 117 | 130 | 133 | 152 | 159 | 203 |
| HUB LENGTH W/N | | | | | | | | 102 | 114 | 127 | 140 | 162 | 184 | 200 | 213 | 216 | 229 | 248 | 292 |
| BOLT HOLE DIA | IN THESE SIZES | | | | | | | 26 | 32 | 35 | 32 | 39 | 39 | 39 | 42 | 45 | 52 | 54 | 68 |
| No BOLTS | | | | | | | | 8 | 8 | 8 | 12 | 12 | 16 | 20 | 20 | 20 | 20 | 20 | |
| WEIGHT Kg SOW | | | | | | | | 14.1 | 24.1 | 37.7 | 49 | 78.1 | 111 | 148 | 173 | 208 | 294 | 360 | 672 |
| WEIGHT Kg W/N | | | | | | | | 13.2 | 23.2 | 39 | 49.9 | 84.9 | 122 | 169 | 255 | 311 | 420 | 529 | 957 |

| CLASS 1500 | | | | | | | | | | | | | | | | | | | |
|-------------------|------|------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|------|
| Nominal Bore Size | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150# | 200# | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
| OD OF FLANGE | 120 | 130 | 150 | 160 | 180 | 215 | 245 | 270 | 310 | 375 | 395 | 485 | 585 | 675 | 750 | 825 | 915 | 985 | 1170 |
| PCD | 82.5 | 89 | 102 | 111 | 124 | 165 | 191 | 203 | 242 | 292 | 318 | 394 | 483 | 572 | 635 | 705 | 775 | 832 | 991 |
| MIN THICK - A* | 22.5 | 25.5 | 29 | 29 | 32 | 38.5 | 41.5 | 48 | 54 | 73.5 | 83 | 92 | 108 | 124 | 134 | 147 | 162 | 178 | 204 |
| HUB LENGTH SOW | 32 | 35 | 41 | 41 | 44 | 57 | 64 | 73 | 90 | 105 | 119 | 143 | 159 | 181 | | | | | |
| HUB LENGTH W/N | 60 | 70 | 73 | 73 | 83 | 102 | 105 | 118 | 124 | 155 | 171 | 213 | 254 | 283 | 298 | 311 | 327 | 356 | 406 |
| BOLT HOLE DIA | 22 | 22 | 26 | 26 | 30 | 26 | 30 | 33 | 36 | 42 | 39 | 45 | 52 | 56 | 60 | 68 | 76 | 80 | 94 |
| No BOLTS | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 12 | 12 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| WEIGHT Kg SOW | 2.7 | 2.7 | 3.4 | 4.5 | 6.4 | 10 | 16.3 | 21.8 | 33.3 | 59.9 | 74.5 | 117 | 198 | 303 | | | | | |
| WEIGHT Kg W/N | 3.2 | 3.2 | 3.9 | 4.5 | 6.4 | 10.9 | 16.3 | 21.8 | 31.3 | 59.9 | 74.5 | 124 | 206 | 313 | | | | | |

* MINIMUM THICKNESS ARE INCLUDING RAISED FACE, BUT EXCLUDING HUB OR WELD NECK
 ** HUB LENGTH FOR SLIP ON ALSO APPLY TO SCREWED & SOCKET WELD FLANGES
 # NOTE, THE EXACT OD OF PIPE MUST BE NOMINATED

Leaders in Valves, Pipe, Hose and Fittings