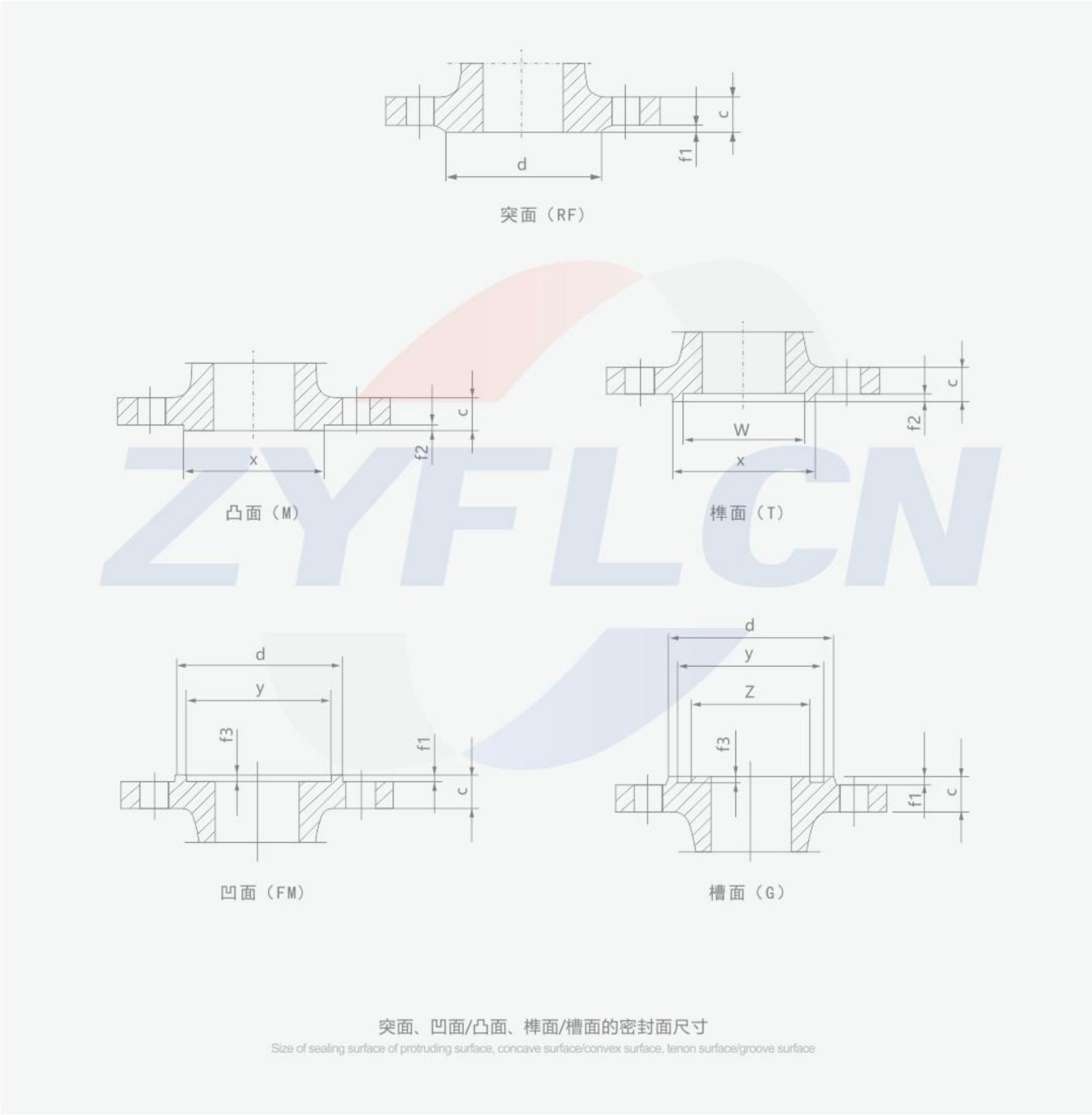


STEEL PIPE  
FLANGE 钢制管法兰

(PN系列)欧洲体系  
HG/T20592-2009(HG20592-1997)

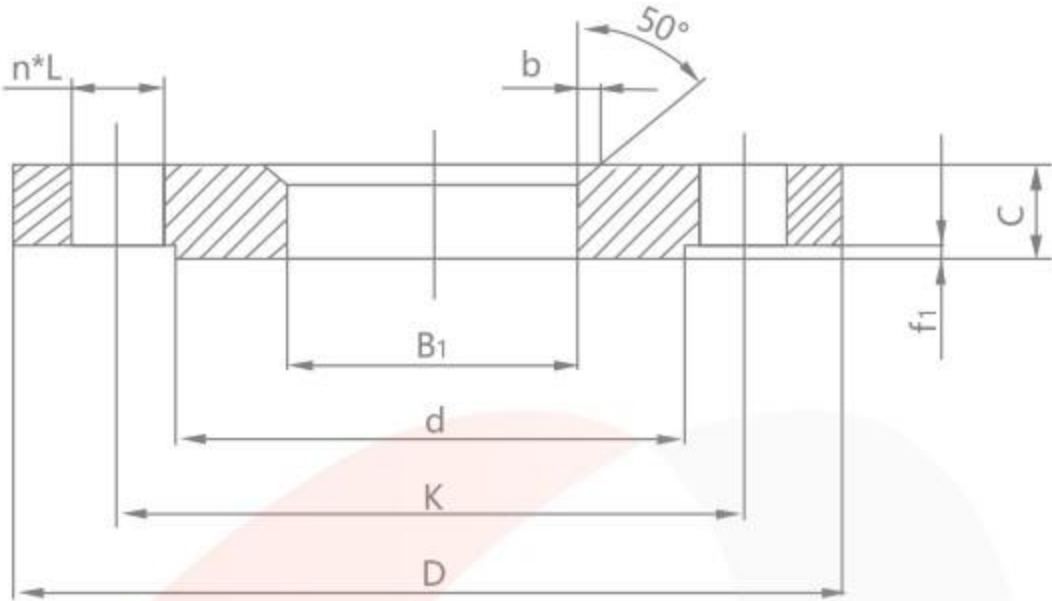


密封面尺寸 (突面、凹面/凸面、榫面/槽面) Sealing surface size (protruding surface, concave/convex surface, tenon surface/groove surface) (mm)

| 公称尺寸<br>DN | d      |      |      |      |      |     | f1 | f2  | f3  | W   | X   | Y   | Z   |
|------------|--------|------|------|------|------|-----|----|-----|-----|-----|-----|-----|-----|
|            | 公称压力PN |      |      |      |      |     |    |     |     |     |     |     |     |
|            | 2.5    | 6    | 10   | 16   | 25   | ≥40 |    |     |     |     |     |     |     |
| 10         | 35     | 35   | 40   | 40   | 40   | 40  | 2  | 4.5 | 4.0 | 24  | 34  | 35  | 23  |
| 15         | 40     | 40   | 45   | 45   | 45   | 45  | 2  | 4.5 | 4.0 | 29  | 39  | 40  | 28  |
| 20         | 50     | 50   | 58   | 58   | 58   | 58  | 2  | 4.5 | 4.0 | 36  | 50  | 51  | 35  |
| 25         | 60     | 60   | 68   | 68   | 68   | 68  | 2  | 4.5 | 4.0 | 43  | 57  | 58  | 42  |
| 32         | 70     | 70   | 78   | 78   | 78   | 78  | 2  | 4.5 | 4.0 | 51  | 65  | 66  | 50  |
| 40         | 80     | 80   | 88   | 88   | 88   | 88  | 2  | 4.5 | 4.0 | 61  | 75  | 76  | 60  |
| 50         | 90     | 90   | 102  | 102  | 102  | 102 | 2  | 4.5 | 4.0 | 73  | 87  | 88  | 72  |
| 65         | 110    | 110  | 122  | 122  | 122  | 122 | 2  | 4.5 | 4.0 | 95  | 109 | 110 | 94  |
| 80         | 128    | 128  | 138  | 138  | 138  | 138 | 2  | 4.5 | 4.0 | 106 | 120 | 121 | 105 |
| 100        | 148    | 148  | 158  | 158  | 162  | 162 | 2  | 5.0 | 4.5 | 129 | 149 | 150 | 128 |
| 125        | 178    | 178  | 188  | 188  | 188  | 188 | 2  | 5.0 | 4.5 | 155 | 175 | 176 | 154 |
| 150        | 202    | 202  | 212  | 212  | 218  | 218 | 2  | 5.0 | 4.5 | 183 | 203 | 204 | 182 |
| 200        | 258    | 258  | 268  | 268  | 278  | 285 | 2  | 5.0 | 4.5 | 239 | 259 | 260 | 238 |
| 250        | 312    | 312  | 320  | 320  | 335  | 345 | 2  | 5.0 | 4.5 | 292 | 312 | 313 | 291 |
| 300        | 365    | 365  | 370  | 378  | 395  | 410 | 2  | 5.0 | 4.5 | 343 | 363 | 364 | 342 |
| 350        | 415    | 415  | 430  | 428  | 450  | 465 | 2  | 5.5 | 5.0 | 395 | 421 | 422 | 394 |
| 400        | 465    | 465  | 482  | 490  | 505  | 535 | 2  | 5.5 | 5.0 | 447 | 473 | 474 | 446 |
| 450        | 520    | 520  | 532  | 550  | 555  | 560 | 2  | 5.5 | 5.0 | 497 | 523 | 524 | 496 |
| 500        | 570    | 570  | 585  | 610  | 615  | 615 | 2  | 5.5 | 5.0 | 549 | 575 | 576 | 548 |
| 600        | 670    | 670  | 685  | 725  | 720  | 735 | 2  | 5.5 | 5.0 | 649 | 675 | 676 | 648 |
| 700        | 775    | 775  | 800  | 795  | 820  |     | 2  |     |     |     |     |     |     |
| 800        | 880    | 880  | 905  | 900  | 930  |     | 2  |     |     |     |     |     |     |
| 900        | 980    | 980  | 1005 | 1000 | 1030 |     | 2  |     |     |     |     |     |     |
| 1000       | 1080   | 1080 | 1110 | 1115 | 1140 |     | 2  |     |     |     |     |     |     |
| 1200       | 1280   | 1295 | 1330 | 1330 | 1350 |     | 2  |     |     |     |     |     |     |
| 1400       | 1480   | 1510 | 1535 | 1530 |      |     | 2  |     |     |     |     |     |     |
| 1600       | 1690   | 1710 | 1760 | 1750 |      |     | 2  |     |     |     |     |     |     |
| 1800       | 1890   | 1920 | 1960 | 1950 |      |     | 2  |     |     |     |     |     |     |
| 2000       | 2090   | 2125 | 2170 | 2150 |      |     | 2  |     |     |     |     |     |     |

PLAIN WELDED  
FLANGE 板式平焊法兰

HG/T20593-2009(PL)



PN6 板式平焊钢管法兰 Plate flat welded steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰外径<br>D | 连接尺寸              |                |                   |           | 法兰厚度<br>C | 法兰内径<br>B1 |     |
|----------|------------|-----|-----------|-------------------|----------------|-------------------|-----------|-----------|------------|-----|
|          |            |     |           | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |           |            |     |
| DN       | A          | B   | D         | K                 | L              | n(个)              | Th        | C         | A          | B   |
| 10       | 17.2       | 14  | 75        | 50                | 11             | 4                 | M10       | 12        | 18         | 15  |
| 15       | 21.3       | 18  | 80        | 55                | 11             | 4                 | M10       | 12        | 22.5       | 19  |
| 20       | 26.9       | 25  | 90        | 65                | 11             | 4                 | M10       | 14        | 27.5       | 26  |
| 25       | 33.7       | 32  | 100       | 75                | 11             | 4                 | M10       | 14        | 34.5       | 33  |
| 32       | 42.4       | 38  | 120       | 90                | 14             | 4                 | M12       | 16        | 43.5       | 39  |
| 40       | 48.3       | 45  | 130       | 100               | 14             | 4                 | M12       | 16        | 49.5       | 46  |
| 50       | 60.3       | 57  | 140       | 110               | 14             | 4                 | M12       | 16        | 61.5       | 59  |
| 65       | 76.1       | 76  | 160       | 130               | 14             | 4                 | M12       | 16        | 77.5       | 78  |
| 80       | 88.9       | 89  | 190       | 150               | 18             | 4                 | M16       | 18        | 90.5       | 91  |
| 100      | 114.3      | 108 | 210       | 170               | 18             | 4                 | M16       | 18        | 116        | 110 |
| 125      | 139.7      | 133 | 240       | 200               | 18             | 8                 | M16       | 20        | 143.5      | 135 |
| 150      | 168.3      | 159 | 265       | 225               | 18             | 8                 | M16       | 20        | 170.5      | 161 |
| 200      | 219.1      | 219 | 320       | 280               | 18             | 8                 | M16       | 22        | 221.5      | 222 |
| 250      | 273        | 273 | 375       | 335               | 18             | 12                | M16       | 24        | 276.5      | 276 |
| 300      | 323.9      | 325 | 440       | 395               | 22             | 12                | M20       | 24        | 328        | 328 |
| 350      | 355.6      | 377 | 490       | 445               | 22             | 12                | M20       | 26        | 360        | 381 |
| 400      | 406.4      | 426 | 540       | 495               | 22             | 16                | M20       | 28        | 411        | 430 |
| 450      | 457        | 480 | 595       | 550               | 22             | 16                | M20       | 30        | 462        | 485 |
| 500      | 508        | 530 | 645       | 600               | 22             | 20                | M20       | 30        | 513.5      | 535 |
| 600      | 610        | 630 | 755       | 705               | 26             | 20                | M24       | 32        | 616.5      | 636 |

PN10 板式平焊钢管法兰 Plate flat welded steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰外径<br>D | 连接尺寸              |                |                   |           | 法兰厚度<br>C | 法兰内径<br>B1 |     |
|----------|------------|-----|-----------|-------------------|----------------|-------------------|-----------|-----------|------------|-----|
|          |            |     |           | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |           |            |     |
| DN       | A          | B   | D         | K                 | L              | n(个)              | Th        | C         | A          | B   |
| 10       | 17.2       | 14  | 90        | 60                | 14             | 4                 | M12       | 14        | 18         | 15  |
| 15       | 21.3       | 18  | 95        | 65                | 14             | 4                 | M12       | 14        | 22.5       | 19  |
| 20       | 26.9       | 25  | 105       | 75                | 14             | 4                 | M12       | 16        | 27.5       | 26  |
| 25       | 33.7       | 32  | 115       | 85                | 14             | 4                 | M12       | 16        | 34.5       | 33  |
| 32       | 42.4       | 38  | 140       | 100               | 18             | 4                 | M16       | 18        | 43.5       | 39  |
| 40       | 48.3       | 45  | 150       | 110               | 18             | 4                 | M16       | 18        | 49.5       | 46  |
| 50       | 60.3       | 57  | 165       | 125               | 18             | 4                 | M16       | 19        | 61.5       | 59  |
| 65       | 76.1       | 76  | 185       | 145               | 18             | 8                 | M16       | 20        | 77.5       | 78  |
| 80       | 88.9       | 89  | 200       | 160               | 18             | 8                 | M16       | 20        | 90.5       | 91  |
| 100      | 114.3      | 108 | 220       | 180               | 18             | 8                 | M16       | 22        | 116        | 110 |
| 125      | 139.7      | 133 | 250       | 210               | 18             | 8                 | M16       | 22        | 143.5      | 135 |
| 150      | 168.3      | 159 | 285       | 240               | 22             | 8                 | M20       | 24        | 170.5      | 161 |
| 200      | 219.1      | 219 | 340       | 295               | 22             | 8                 | M20       | 24        | 221.5      | 222 |
| 250      | 273        | 273 | 395       | 350               | 22             | 12                | M20       | 26        | 276.5      | 276 |
| 300      | 323.9      | 325 | 445       | 400               | 22             | 12                | M20       | 26        | 328        | 328 |
| 350      | 355.6      | 377 | 505       | 460               | 22             | 16                | M20       | 28        | 360        | 381 |
| 400      | 406.4      | 426 | 565       | 515               | 26             | 16                | M24       | 32        | 411        | 430 |
| 450      | 457        | 480 | 615       | 565               | 26             | 20                | M24       | 36        | 462        | 485 |
| 500      | 508        | 530 | 670       | 620               | 26             | 20                | M24       | 38        | 513.5      | 535 |
| 600      | 610        | 630 | 780       | 725               | 30             | 20                | M27       | 42        | 616.5      | 636 |

PN16 板式平焊钢管法兰 Plate flat welded steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰外径<br>D | 连接尺寸              |                |                   |           | 法兰厚度<br>C | 法兰内径<br>B1 |     | 坡口<br>宽度<br>b |
|----------|------------|-----|-----------|-------------------|----------------|-------------------|-----------|-----------|------------|-----|---------------|
|          |            |     |           | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |           |            |     |               |
| DN       | A          | B   | D         | K                 | L              | n(个)              | Th        | C         | A          | B   | b             |
| 10       | 17.2       | 14  | 90        | 60                | 14             | 4                 | M12       | 14        | 18         | 15  | 4             |
| 15       | 21.3       | 18  | 95        | 65                | 14             | 4                 | M12       | 14        | 22.5       | 19  | 4             |
| 20       | 26.9       | 25  | 105       | 75                | 14             | 4                 | M12       | 16        | 27.5       | 26  | 4             |
| 25       | 33.7       | 32  | 115       | 85                | 14             | 4                 | M12       | 16        | 34.5       | 33  | 5             |
| 32       | 42.4       | 38  | 140       | 100               | 18             | 4                 | M16       | 18        | 43.5       | 39  | 5             |
| 40       | 48.3       | 45  | 150       | 110               | 18             | 4                 | M16       | 18        | 49.5       | 46  | 5             |
| 50       | 60.3       | 57  | 165       | 125               | 18             | 4                 | M16       | 19        | 61.5       | 59  | 5             |
| 65       | 76.1       | 76  | 185       | 145               | 18             | 8                 | M16       | 20        | 77.5       | 78  | 6             |
| 80       | 88.9       | 89  | 200       | 160               | 18             | 8                 | M16       | 20        | 90.5       | 91  | 6             |
| 100      | 114.3      | 108 | 220       | 180               | 18             | 8                 | M16       | 22        | 116        | 110 | 6             |
| 125      | 139.7      | 133 | 250       | 210               | 18             | 8                 | M16       | 22        | 143.5      | 135 | 6             |
| 150      | 168.3      | 159 | 285       | 240               | 22             | 8                 | M20       | 24        | 170.5      | 161 | 6             |
| 200      | 219.1      | 219 | 340       | 295               | 22             | 12                | M20       | 26        | 221.5      | 222 | 8             |
| 250      | 273        | 273 | 405       | 355               | 26             | 12                | M24       | 29        | 276.5      | 276 | 10            |
| 300      | 323.9      | 325 | 460       | 410               | 26             | 12                | M24       | 32        | 328        | 328 | 11            |
| 350      | 355.6      | 377 | 520       | 470               | 26             | 16                | M24       | 35        | 360        | 381 | 12            |
| 400      | 406.4      | 426 | 580       | 525               | 30             | 16                | M27       | 38        | 411        | 430 | 12            |
| 450      | 457        | 480 | 640       | 585               | 30             | 20                | M27       | 42        | 462        | 485 | 12            |
| 500      | 508        | 530 | 715       | 650               | 33             | 20                | M30       | 46        | 513.5      | 535 | 12            |
| 600      | 610        | 630 | 840       | 770               | 33             | 20                | M30       | 52        | 616.5      | 636 | 12            |

PN25 板式平焊钢制管法兰 Plate flat welded steel pipe flange (mm)

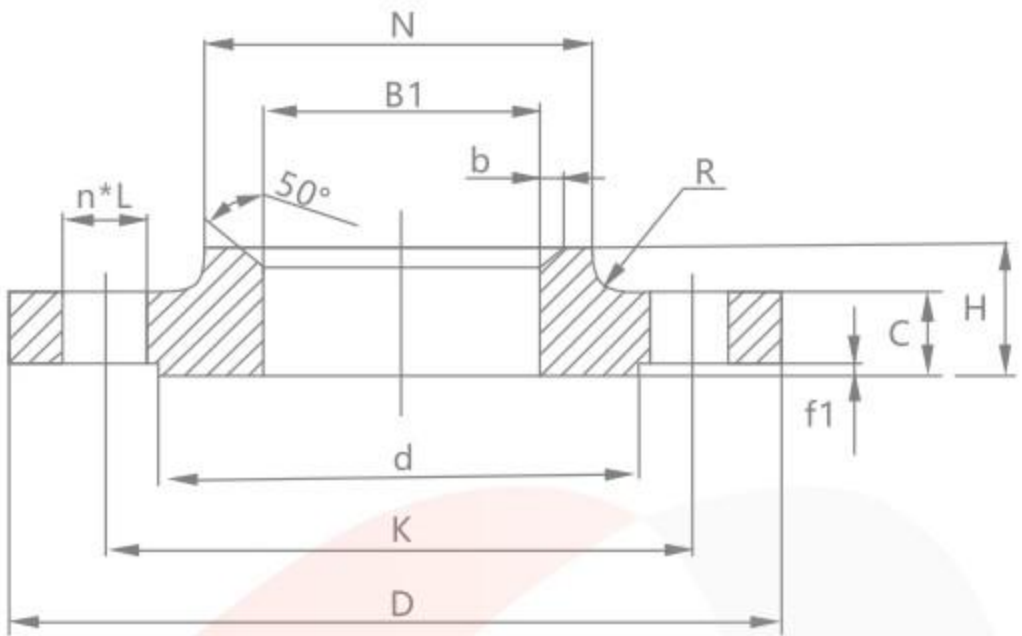
| 公称尺寸<br>DN | 钢管外径<br>A1 |     | 法兰外径<br>D | 连接尺寸          |            |               |           | 法兰厚度<br>C | 法兰内径<br>B1 |     | 坡口宽度<br>b |
|------------|------------|-----|-----------|---------------|------------|---------------|-----------|-----------|------------|-----|-----------|
|            | A          | B   |           | 螺栓孔中心圆直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th |           | A          | B   |           |
| 10         | 17.2       | 14  | 90        | 60            | 14         | 4             | M12       | 14        | 18         | 15  | 4         |
| 15         | 21.3       | 18  | 95        | 65            | 14         | 4             | M12       | 14        | 22.5       | 19  | 4         |
| 20         | 26.9       | 25  | 105       | 75            | 14         | 4             | M12       | 16        | 27.5       | 26  | 4         |
| 25         | 33.7       | 32  | 115       | 85            | 14         | 4             | M12       | 16        | 34.5       | 33  | 5         |
| 32         | 42.4       | 38  | 140       | 100           | 18         | 4             | M16       | 18        | 43.5       | 39  | 5         |
| 40         | 48.3       | 45  | 150       | 110           | 18         | 4             | M16       | 18        | 49.5       | 46  | 5         |
| 50         | 60.3       | 57  | 165       | 125           | 18         | 4             | M16       | 20        | 61.5       | 59  | 5         |
| 65         | 76.1       | 76  | 185       | 145           | 18         | 8             | M16       | 22        | 77.5       | 78  | 6         |
| 80         | 88.9       | 89  | 200       | 160           | 18         | 8             | M16       | 24        | 90.5       | 91  | 6         |
| 100        | 114.3      | 108 | 235       | 190           | 22         | 8             | M20       | 26        | 116        | 110 | 6         |
| 125        | 139.7      | 133 | 270       | 220           | 26         | 8             | M24       | 28        | 143.5      | 135 | 6         |
| 150        | 168.3      | 159 | 300       | 250           | 26         | 8             | M24       | 30        | 170.5      | 161 | 6         |
| 200        | 219.1      | 219 | 360       | 310           | 26         | 12            | M24       | 32        | 221.5      | 222 | 8         |
| 250        | 273        | 273 | 425       | 370           | 30         | 12            | M27       | 35        | 276.5      | 276 | 10        |
| 300        | 323.9      | 325 | 485       | 430           | 30         | 16            | M27       | 38        | 328        | 328 | 11        |
| 350        | 355.6      | 377 | 555       | 490           | 33         | 16            | M30       | 42        | 360        | 381 | 12        |
| 400        | 406.4      | 426 | 620       | 550           | 36         | 16            | M33       | 46        | 411        | 430 | 12        |
| 450        | 457        | 480 | 670       | 600           | 36         | 20            | M33       | 50        | 462        | 485 | 12        |
| 500        | 508        | 530 | 730       | 660           | 36         | 20            | M33       | 56        | 513.5      | 535 | 12        |
| 600        | 610        | 630 | 845       | 770           | 39         | 20            | M36×3     | 68        | 616.5      | 636 | 12        |

PN40 板式平焊钢制管法兰 Plate flat welded steel pipe flange (mm)

| 公称尺寸<br>DN | 钢管外径<br>A1 |     | 法兰外径<br>D | 连接尺寸          |            |               |           | 法兰厚度<br>C | 法兰内径<br>B1 |     | 坡口宽度<br>b |
|------------|------------|-----|-----------|---------------|------------|---------------|-----------|-----------|------------|-----|-----------|
|            | A          | B   |           | 螺栓孔中心圆直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th |           | A          | B   |           |
| 10         | 17.2       | 14  | 90        | 60            | 14         | 4             | M12       | 14        | 18         | 15  | 4         |
| 15         | 21.3       | 18  | 95        | 65            | 14         | 4             | M12       | 14        | 22.5       | 19  | 4         |
| 20         | 26.9       | 25  | 105       | 75            | 14         | 4             | M12       | 16        | 27.5       | 26  | 4         |
| 25         | 33.7       | 32  | 115       | 85            | 14         | 4             | M12       | 16        | 34.5       | 33  | 5         |
| 32         | 42.4       | 38  | 140       | 100           | 18         | 4             | M16       | 18        | 43.5       | 39  | 5         |
| 40         | 48.3       | 45  | 150       | 110           | 18         | 4             | M16       | 18        | 49.5       | 46  | 5         |
| 50         | 60.3       | 57  | 165       | 125           | 18         | 4             | M16       | 20        | 61.5       | 59  | 5         |
| 65         | 76.1       | 76  | 185       | 145           | 18         | 8             | M16       | 22        | 77.5       | 78  | 6         |
| 80         | 88.9       | 89  | 200       | 160           | 18         | 8             | M16       | 24        | 90.5       | 91  | 6         |
| 100        | 114.3      | 108 | 235       | 190           | 22         | 8             | M20       | 26        | 116        | 110 | 6         |
| 125        | 139.7      | 133 | 270       | 220           | 26         | 8             | M24       | 28        | 143.5      | 135 | 6         |
| 150        | 168.3      | 159 | 300       | 250           | 26         | 8             | M24       | 30        | 170.5      | 161 | 6         |
| 200        | 219.1      | 219 | 375       | 320           | 30         | 12            | M27       | 36        | 221.5      | 222 | 8         |
| 250        | 273        | 273 | 450       | 385           | 33         | 12            | M30       | 42        | 276.5      | 276 | 10        |
| 300        | 323.9      | 325 | 515       | 450           | 33         | 16            | M30       | 48        | 328        | 328 | 11        |
| 350        | 355.6      | 377 | 580       | 510           | 36         | 16            | M33       | 54        | 360        | 381 | 12        |
| 400        | 406.4      | 426 | 660       | 585           | 39         | 16            | M36×3     | 60        | 411        | 430 | 12        |
| 450        | 457        | 480 | 685       | 610           | 39         | 20            | M36×3     | 66        | 462        | 485 | 12        |
| 500        | 508        | 530 | 755       | 670           | 42         | 20            | M39×3     | 72        | 513.5      | 535 | 12        |
| 600        | 610        | 630 | 890       | 795           | 48         | 20            | M45×3     | 84        | 616.5      | 636 | 12        |

SLIP ON FLANGE 带颈平焊法兰

HG/T20594-2009(SO)



PN6 带颈平焊钢制管法兰 Slip on steel pipe flange (mm)

| 公称尺寸<br>DN | 钢管外径<br>A1 |     | 法兰<br>外径<br>D | 连接尺寸          |            |               |           | 法兰<br>厚度<br>C | 法兰内径<br>B1 |     | 法兰颈<br>N |     | R  | 法兰<br>高度<br>H |
|------------|------------|-----|---------------|---------------|------------|---------------|-----------|---------------|------------|-----|----------|-----|----|---------------|
|            | A          | B   |               | 螺栓孔中心圆直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th |               | A          | B   | A        | B   |    |               |
| 10         | 17.2       | 14  | 75            | 50            | 11         | 4             | M10       | 12            | 18         | 15  | 25       | 25  | 4  | 20            |
| 15         | 21.3       | 18  | 80            | 55            | 11         | 4             | M10       | 12            | 22.5       | 19  | 30       | 30  | 4  | 20            |
| 20         | 26.9       | 25  | 90            | 65            | 11         | 4             | M10       | 14            | 27.5       | 26  | 40       | 40  | 4  | 24            |
| 25         | 33.7       | 32  | 100           | 75            | 11         | 4             | M10       | 14            | 34.5       | 33  | 50       | 50  | 4  | 24            |
| 32         | 42.4       | 38  | 120           | 90            | 14         | 4             | M12       | 14            | 43.5       | 39  | 60       | 60  | 6  | 26            |
| 40         | 48.3       | 45  | 130           | 100           | 14         | 4             | M12       | 14            | 49.5       | 46  | 70       | 70  | 6  | 26            |
| 50         | 60.3       | 57  | 140           | 110           | 14         | 4             | M12       | 14            | 61.5       | 59  | 80       | 80  | 6  | 28            |
| 65         | 76.1       | 76  | 160           | 130           | 14         | 4             | M12       | 14            | 77.5       | 78  | 100      | 100 | 6  | 32            |
| 80         | 88.9       | 89  | 190           | 150           | 18         | 4             | M16       | 16            | 90.5       | 91  | 110      | 110 | 8  | 34            |
| 100        | 114.3      | 108 | 210           | 170           | 18         | 4             | M16       | 16            | 116        | 110 | 130      | 130 | 8  | 40            |
| 125        | 139.7      | 133 | 240           | 200           | 18         | 8             | M16       | 18            | 143.5      | 135 | 160      | 160 | 8  | 44            |
| 150        | 168.3      | 159 | 265           | 225           | 18         | 8             | M16       | 18            | 170.5      | 161 | 185      | 185 | 10 | 44            |
| 200        | 219.1      | 219 | 320           | 280           | 18         | 8             | M16       | 20            | 221.5      | 222 | 240      | 240 | 10 | 44            |
| 250        | 273        | 273 | 375           | 335           | 18         | 12            | M16       | 22            | 276.5      | 276 | 295      | 295 | 12 | 44            |
| 300        | 323.9      | 325 | 440           | 395           | 22         | 12            | M20       | 22            | 328        | 328 | 355      | 355 | 12 | 44            |

PN10 带颈平焊钢制管法兰 Slip on steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径 | 连接尺寸              |                |                   |           | 法兰<br>厚度 | 法兰内径<br>B1 |     | 法兰颈 |     | R  | 法兰<br>高度 | 坡口<br>宽度 |
|----------|------------|-----|----------|-------------------|----------------|-------------------|-----------|----------|------------|-----|-----|-----|----|----------|----------|
|          |            |     |          | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |          |            |     | N   |     |    |          |          |
| DN       | A          | B   | D        |                   |                |                   |           | C        | A          | B   | A   | B   |    | H        | b        |
| 10       | 17.2       | 14  | 90       | 60                | 14             | 4                 | M12       | 16       | 18         | 15  | 30  | 30  | 4  | 22       | -        |
| 15       | 21.3       | 18  | 95       | 65                | 14             | 4                 | M12       | 16       | 22.5       | 19  | 35  | 35  | 4  | 22       | -        |
| 20       | 26.9       | 25  | 105      | 75                | 14             | 4                 | M12       | 18       | 27.5       | 26  | 45  | 45  | 4  | 26       | -        |
| 25       | 33.7       | 32  | 115      | 85                | 14             | 4                 | M12       | 18       | 34.5       | 33  | 52  | 52  | 4  | 28       | -        |
| 32       | 42.4       | 38  | 140      | 100               | 18             | 4                 | M16       | 18       | 43.5       | 39  | 60  | 60  | 6  | 30       | -        |
| 40       | 48.3       | 45  | 150      | 110               | 18             | 4                 | M16       | 18       | 49.5       | 46  | 70  | 70  | 6  | 32       | -        |
| 50       | 60.3       | 57  | 165      | 125               | 18             | 4                 | M16       | 18       | 61.5       | 59  | 84  | 84  | 5  | 28       | -        |
| 65       | 76.1       | 76  | 185      | 145               | 18             | 8                 | M16       | 18       | 77.5       | 78  | 104 | 104 | 6  | 32       | -        |
| 80       | 88.9       | 89  | 200      | 160               | 18             | 8                 | M16       | 20       | 90.5       | 91  | 118 | 118 | 6  | 34       | -        |
| 100      | 114.3      | 108 | 220      | 180               | 18             | 8                 | M16       | 20       | 116        | 110 | 140 | 140 | 8  | 40       | -        |
| 125      | 139.7      | 133 | 250      | 210               | 18             | 8                 | M16       | 22       | 143.5      | 135 | 168 | 168 | 8  | 44       | -        |
| 150      | 168.3      | 159 | 285      | 240               | 22             | 8                 | M20       | 22       | 170.5      | 161 | 195 | 195 | 10 | 44       | -        |
| 200      | 219.1      | 219 | 340      | 295               | 22             | 8                 | M20       | 24       | 221.5      | 222 | 246 | 246 | 10 | 44       | -        |
| 250      | 273        | 273 | 395      | 350               | 22             | 12                | M20       | 26       | 276.5      | 276 | 298 | 298 | 12 | 46       | -        |
| 300      | 323.9      | 325 | 445      | 400               | 22             | 12                | M20       | 26       | 328        | 328 | 350 | 350 | 12 | 46       | -        |
| 350      | 355.6      | 377 | 505      | 460               | 22             | 16                | M20       | 26       | 360        | 381 | 400 | 412 | 12 | 53       | -        |
| 400      | 406.4      | 426 | 565      | 515               | 26             | 16                | M24       | 26       | 411        | 430 | 456 | 475 | 12 | 57       | -        |
| 450      | 457        | 480 | 615      | 565               | 26             | 20                | M24       | 28       | 462        | 485 | 502 | 525 | 12 | 63       | 12       |
| 500      | 508        | 530 | 670      | 620               | 26             | 20                | M24       | 28       | 513.5      | 535 | 559 | 581 | 12 | 67       | 12       |
| 600      | 610        | 630 | 780      | 725               | 30             | 20                | M27       | 28       | 616.5      | 636 | 658 | 678 | 12 | 75       | 12       |

PN16 带颈平焊钢制管法兰 Slip on steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径 | 连接尺寸              |                |                   |           | 法兰<br>厚度 | 法兰内径<br>B1 |     | 法兰颈 |     | R  | 法兰<br>高度 | 坡口<br>宽度 |
|----------|------------|-----|----------|-------------------|----------------|-------------------|-----------|----------|------------|-----|-----|-----|----|----------|----------|
|          |            |     |          | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |          |            |     | N   |     |    |          |          |
| DN       | A          | B   | D        |                   |                |                   |           | C        | A          | B   | A   | B   |    | H        | b        |
| 10       | 17.2       | 14  | 90       | 60                | 14             | 4                 | M12       | 16       | 18         | 15  | 30  | 30  | 4  | 22       | 4        |
| 15       | 21.3       | 18  | 95       | 65                | 14             | 4                 | M12       | 16       | 22.5       | 19  | 35  | 35  | 4  | 22       | 4        |
| 20       | 26.9       | 25  | 105      | 75                | 14             | 4                 | M12       | 18       | 27.5       | 26  | 45  | 45  | 4  | 26       | 4        |
| 25       | 33.7       | 32  | 115      | 85                | 14             | 4                 | M12       | 18       | 34.5       | 33  | 52  | 52  | 4  | 28       | 5        |
| 32       | 42.4       | 38  | 140      | 100               | 18             | 4                 | M16       | 18       | 43.5       | 39  | 60  | 60  | 6  | 30       | 5        |
| 40       | 48.3       | 45  | 150      | 110               | 18             | 4                 | M16       | 18       | 49.5       | 46  | 70  | 70  | 6  | 32       | 5        |
| 50       | 60.3       | 57  | 165      | 125               | 18             | 4                 | M16       | 18       | 61.5       | 59  | 84  | 84  | 5  | 28       | 5        |
| 65       | 76.1       | 76  | 185      | 145               | 18             | 8                 | M16       | 18       | 77.5       | 78  | 104 | 104 | 6  | 32       | 6        |
| 80       | 88.9       | 89  | 200      | 160               | 18             | 8                 | M16       | 20       | 90.5       | 91  | 118 | 118 | 6  | 34       | 6        |
| 100      | 114.3      | 108 | 220      | 180               | 18             | 8                 | M16       | 20       | 116        | 110 | 140 | 140 | 8  | 40       | 6        |
| 125      | 139.7      | 133 | 250      | 210               | 18             | 8                 | M16       | 22       | 143.5      | 135 | 168 | 168 | 8  | 44       | 6        |
| 150      | 168.3      | 159 | 285      | 240               | 22             | 8                 | M20       | 22       | 170.5      | 161 | 195 | 195 | 10 | 44       | 6        |
| 200      | 219.1      | 219 | 340      | 295               | 22             | 12                | M20       | 24       | 221.5      | 222 | 246 | 246 | 10 | 44       | 8        |
| 250      | 273        | 273 | 405      | 355               | 26             | 12                | M24       | 26       | 276.5      | 276 | 298 | 298 | 12 | 46       | 10       |
| 300      | 323.9      | 325 | 460      | 410               | 26             | 12                | M24       | 28       | 328        | 328 | 350 | 350 | 12 | 46       | 11       |
| 350      | 355.6      | 377 | 520      | 470               | 26             | 16                | M24       | 30       | 360        | 381 | 400 | 412 | 12 | 57       | 12       |
| 400      | 406.4      | 426 | 580      | 525               | 30             | 16                | M27       | 32       | 411        | 430 | 456 | 475 | 12 | 63       | 12       |
| 450      | 457        | 480 | 640      | 585               | 30             | 20                | M27       | 40       | 462        | 485 | 502 | 525 | 12 | 68       | 12       |
| 500      | 508        | 530 | 715      | 650               | 33             | 20                | M30       | 44       | 513.5      | 535 | 559 | 581 | 12 | 73       | 12       |
| 600      | 610        | 630 | 840      | 770               | 36             | 20                | M33       | 54       | 616.5      | 636 | 658 | 678 | 12 | 83       | 12       |

PN25 带颈平焊钢制管法兰 Slip on steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径 | 连接尺寸              |                |                   |           | 法兰<br>厚度 | 法兰内径<br>B1 |     | 法兰颈 |     | R  | 法兰<br>高度 | 坡口<br>宽度 |
|----------|------------|-----|----------|-------------------|----------------|-------------------|-----------|----------|------------|-----|-----|-----|----|----------|----------|
|          |            |     |          | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |          |            |     | N   |     |    |          |          |
| DN       | A          | B   | D        |                   |                |                   |           | C        | A          | B   | A   | B   |    | H        | b        |
| 10       | 17.2       | 14  | 90       | 60                | 14             | 4                 | M12       | 16       | 18         | 15  | 30  | 30  | 4  | 22       | 4        |
| 15       | 21.3       | 18  | 95       | 65                | 14             | 4                 | M12       | 16       | 22.5       | 19  | 35  | 35  | 4  | 22       | 4        |
| 20       | 26.9       | 25  | 105      | 75                | 14             | 4                 | M12       | 18       | 27.5       | 26  | 45  | 45  | 4  | 26       | 4        |
| 25       | 33.7       | 32  | 115      | 85                | 14             | 4                 | M12       | 18       | 34.5       | 33  | 52  | 52  | 4  | 28       | 5        |
| 32       | 42.4       | 38  | 140      | 100               | 18             | 4                 | M16       | 18       | 43.5       | 39  | 60  | 60  | 6  | 30       | 5        |
| 40       | 48.3       | 45  | 150      | 110               | 18             | 4                 | M16       | 18       | 49.5       | 46  | 70  | 70  | 6  | 32       | 5        |
| 50       | 60.3       | 57  | 165      | 125               | 18             | 4                 | M16       | 20       | 61.5       | 59  | 84  | 84  | 6  | 34       | 5        |
| 65       | 76.1       | 76  | 185      | 145               | 18             | 8                 | M16       | 22       | 77.5       | 78  | 104 | 104 | 6  | 38       | 6        |
| 80       | 88.9       | 89  | 200      | 160               | 18             | 8                 | M16       | 24       | 90.5       | 91  | 118 | 118 | 8  | 40       | 6        |
| 100      | 114.3      | 108 | 235      | 190               | 22             | 8                 | M20       | 24       | 116        | 110 | 145 | 145 | 8  | 44       | 6        |
| 125      | 139.7      | 133 | 270      | 220               | 26             | 8                 | M24       | 26       | 143.5      | 135 | 170 | 170 | 8  | 48       | 6        |
| 150      | 168.3      | 159 | 300      | 250               | 26             | 8                 | M24       | 28       | 170.5      | 161 | 200 | 200 | 10 | 52       | 6        |
| 200      | 219.1      | 219 | 360      | 310               | 26             | 12                | M24       | 30       | 221.5      | 222 | 256 | 256 | 10 | 52       | 8        |
| 250      | 273        | 273 | 425      | 370               | 30             | 12                | M27       | 32       | 276.5      | 276 | 310 | 310 | 12 | 60       | 10       |
| 300      | 323.9      | 325 | 485      | 430               | 30             | 16                | M27       | 34       | 328        | 328 | 364 | 364 | 12 | 67       | 11       |
| 350      | 355.6      | 377 | 555      | 490               | 33             | 16                | M30       | 38       | 360        | 381 | 418 | 430 | 12 | 72       | 12       |
| 400      | 406.4      | 426 | 620      | 550               | 36             | 16                | M33       | 40       | 411        | 430 | 472 | 492 | 12 | 78       | 12       |
| 450      | 457        | 480 | 670      | 600               | 36             | 20                | M33       | 46       | 462        | 485 | 520 | 542 | 12 | 84       | 12       |
| 500      | 508        | 530 | 730      | 660               | 36             | 20                | M33       | 48       | 513.5      | 535 | 580 | 602 | 12 | 90       | 12       |
| 600      | 610        | 630 | 845      | 770               | 39             | 20                | M36x3     | 58       | 616.5      | 636 | 684 | 704 | 12 | 100      | 12       |

PN40 带颈平焊钢制管法兰 Slip on steel pipe flange

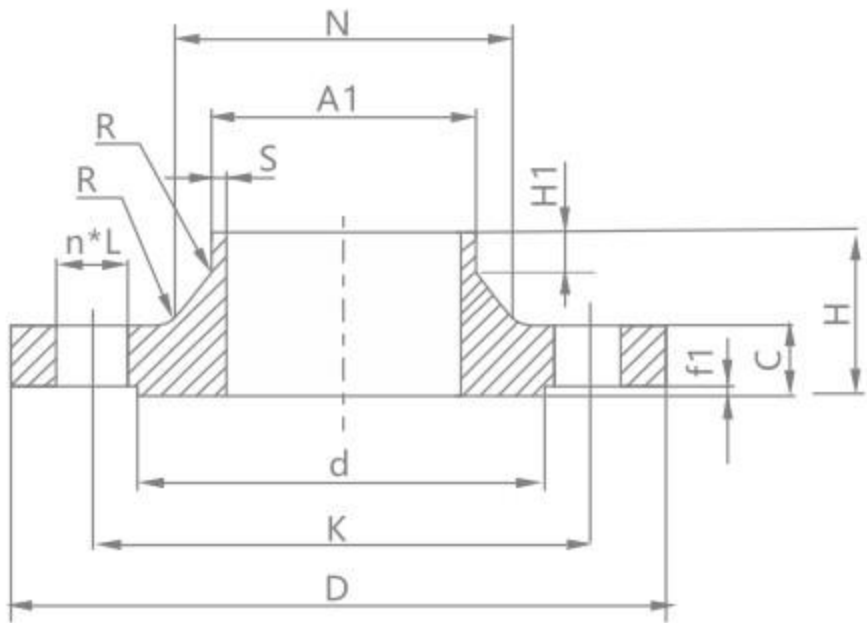
| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径 | 连接尺寸              |                |                   |           | 法兰<br>厚度 | 法兰内径<br>B1 |     | 法兰颈 |     | R  | 法兰<br>高度 | 坡口<br>宽度 |
|----------|------------|-----|----------|-------------------|----------------|-------------------|-----------|----------|------------|-----|-----|-----|----|----------|----------|
|          |            |     |          | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |          |            |     | N   |     |    |          |          |
| DN       | A          | B   | D        |                   |                |                   |           |          |            |     |     | C   | A  | B        | A        |
| 10       | 17.2       | 14  | 90       | 60                | 14             | 4                 | M12       | 16       | 18         | 15  | 30  | 30  | 4  | 22       | 4        |
| 15       | 21.3       | 18  | 95       | 65                | 14             | 4                 | M12       | 16       | 22.5       | 19  | 35  | 35  | 4  | 22       | 4        |
| 20       | 26.9       | 25  | 105      | 75                | 14             | 4                 | M12       | 18       | 27.5       | 26  | 45  | 45  | 4  | 26       | 4        |
| 25       | 33.7       | 32  | 115      | 85                | 14             | 4                 | M12       | 18       | 34.5       | 33  | 52  | 52  | 4  | 28       | 5        |
| 32       | 42.4       | 38  | 140      | 100               | 18             | 4                 | M16       | 18       | 43.5       | 39  | 60  | 60  | 6  | 30       | 5        |
| 40       | 48.3       | 45  | 150      | 110               | 18             | 4                 | M16       | 18       | 49.5       | 46  | 70  | 70  | 6  | 32       | 5        |
| 50       | 60.3       | 57  | 165      | 125               | 18             | 4                 | M16       | 20       | 61.5       | 59  | 84  | 84  | 6  | 34       | 5        |
| 65       | 76.1       | 76  | 185      | 145               | 18             | 8                 | M16       | 22       | 77.5       | 78  | 104 | 104 | 6  | 38       | 6        |
| 80       | 88.9       | 89  | 200      | 160               | 18             | 8                 | M16       | 24       | 90.5       | 91  | 118 | 118 | 8  | 40       | 6        |
| 100      | 114.3      | 108 | 235      | 190               | 22             | 8                 | M20       | 24       | 116        | 110 | 145 | 145 | 8  | 44       | 6        |
| 125      | 139.7      | 133 | 270      | 220               | 26             | 8                 | M24       | 26       | 143.5      | 135 | 170 | 170 | 8  | 48       | 7        |
| 150      | 168.3      | 159 | 300      | 250               | 26             | 8                 | M24       | 28       | 170.5      | 161 | 200 | 200 | 10 | 52       | 8        |
| 200      | 219.1      | 219 | 375      | 320               | 30             | 12                | M27       | 34       | 221.5      | 222 | 260 | 260 | 10 | 52       | 10       |
| 250      | 273        | 273 | 450      | 385               | 33             | 12                | M30       | 38       | 276.5      | 276 | 312 | 312 | 12 | 60       | 11       |
| 300      | 323.9      | 325 | 515      | 450               | 33             | 16                | M30       | 42       | 328        | 328 | 380 | 380 | 12 | 67       | 12       |
| 350      | 355.6      | 377 | 580      | 510               | 36             | 16                | M33       | 46       | 360        | 381 | 424 | 444 | 12 | 72       | 13       |
| 400      | 406.4      | 426 | 660      | 585               | 39             | 16                | M36x3     | 50       | 411        | 430 | 478 | 518 | 12 | 78       | 14       |
| 450      | 457        | 480 | 685      | 610               | 39             | 20                | M36x3     | 57       | 462        | 485 | 522 | 545 | 12 | 84       | 16       |
| 500      | 508        | 530 | 755      | 670               | 42             | 20                | M39x3     | 57       | 513.5      | 535 | 576 | 598 | 12 | 90       | 17       |
| 600      | 610        | 630 | 890      | 795               | 48             | 20                | M45x3     | 72       | 616.5      | 636 | 686 | 706 | 12 | 100      | 18       |

WELDING  
NECK FLANGE 带颈对焊法兰

HG/T20595-2009(WN)

PN10 带颈对焊钢制管法兰 Welding neck steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |      | 法兰<br>外径 | 连接尺寸          |            |               |           | 法兰<br>厚度 | 法兰颈  |      |        |         |    | 法兰<br>高度 |
|----------|------------|------|----------|---------------|------------|---------------|-----------|----------|------|------|--------|---------|----|----------|
|          |            |      |          | 螺栓孔中心圆直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th |          | N    |      | S<br>≥ | H1<br>≈ | R  |          |
| DN       | A          | B    | D        |               |            |               |           | C        | A    | B    |        |         |    | H        |
| 10       | 17.2       | 14   | 90       | 60            | 14         | 4             | M12       | 16       | 28   | 28   | 1.8    | 6       | 4  | 35       |
| 15       | 21.3       | 18   | 95       | 65            | 14         | 4             | M12       | 16       | 32   | 32   | 2.0    | 6       | 4  | 38       |
| 20       | 26.9       | 25   | 105      | 75            | 14         | 4             | M12       | 18       | 40   | 40   | 2.3    | 6       | 4  | 40       |
| 25       | 33.7       | 32   | 115      | 85            | 14         | 4             | M12       | 18       | 46   | 46   | 2.6    | 6       | 4  | 40       |
| 32       | 42.4       | 38   | 140      | 100           | 18         | 4             | M16       | 18       | 56   | 56   | 2.6    | 6       | 6  | 42       |
| 40       | 48.3       | 45   | 150      | 110           | 18         | 4             | M16       | 18       | 64   | 64   | 2.6    | 7       | 6  | 45       |
| 50       | 60.3       | 57   | 165      | 125           | 18         | 4             | M16       | 18       | 74   | 74   | 2.9    | 8       | 5  | 45       |
| 65       | 76.1       | 76   | 185      | 145           | 18         | 8             | M16       | 18       | 92   | 92   | 2.9    | 10      | 6  | 45       |
| 80       | 88.9       | 89   | 200      | 160           | 18         | 8             | M16       | 20       | 105  | 105  | 3.2    | 10      | 6  | 50       |
| 100      | 114.3      | 108  | 220      | 180           | 18         | 8             | M16       | 20       | 131  | 131  | 3.6    | 12      | 8  | 52       |
| 125      | 139.7      | 133  | 250      | 210           | 18         | 8             | M16       | 22       | 156  | 156  | 4      | 12      | 8  | 55       |
| 150      | 168.3      | 159  | 285      | 240           | 22         | 8             | M20       | 22       | 184  | 184  | 4.5    | 12      | 10 | 55       |
| 200      | 219.1      | 219  | 340      | 295           | 22         | 8             | M20       | 24       | 234  | 234  | 6.3    | 16      | 10 | 62       |
| 250      | 273        | 273  | 395      | 350           | 22         | 12            | M20       | 26       | 292  | 292  | 6.3    | 16      | 12 | 68       |
| 300      | 323.9      | 325  | 445      | 400           | 22         | 12            | M20       | 26       | 342  | 342  | 7.1    | 16      | 12 | 68       |
| 350      | 355.6      | 377  | 505      | 460           | 22         | 16            | M20       | 26       | 385  | 402  | 7.1    | 16      | 12 | 68       |
| 400      | 406.4      | 426  | 565      | 515           | 26         | 16            | M24       | 26       | 440  | 458  | 7.1    | 16      | 12 | 72       |
| 450      | 457        | 480  | 615      | 565           | 26         | 20            | M24       | 28       | 488  | 510  | 7.1    | 16      | 12 | 72       |
| 500      | 508        | 530  | 670      | 620           | 26         | 20            | M24       | 28       | 542  | 562  | 7.1    | 16      | 12 | 75       |
| 600      | 610        | 630  | 780      | 725           | 30         | 20            | M27       | 28       | 642  | 660  | 7.1    | 18      | 12 | 80       |
| 700      | 711        | 720  | 895      | 840           | 30         | 24            | M27       | 30       | 746  | 755  | 8      | 18      | 12 | 80       |
| 800      | 813        | 820  | 1015     | 950           | 33         | 24            | M30       | 32       | 850  | 855  | 8      | 18      | 12 | 90       |
| 900      | 914        | 920  | 1115     | 1050          | 33         | 28            | M30       | 34       | 950  | 954  | 10     | 20      | 12 | 95       |
| 1000     | 1016       | 1020 | 1230     | 1160          | 36         | 28            | M33       | 34       | 1052 | 1054 | 10     | 20      | 16 | 95       |
| 1200     | 1219       | 1220 | 1455     | 1380          | 39         | 32            | M36X3     | 38       | 1256 | 1256 | 11     | 25      | 16 | 115      |
| 1400     | 1422       | 1420 | 1675     | 1590          | 42         | 36            | M39X3     | 42       | 1460 | 1460 | 12     | 25      | 16 | 120      |
| 1600     | 1626       | 1620 | 1915     | 1820          | 48         | 40            | M45X3     | 46       | 1666 | 1666 | 14     | 25      | 16 | 130      |
| 1800     | 1829       | 1820 | 2115     | 2020          | 48         | 44            | M45X3     | 50       | 1868 | 1866 | 15     | 30      | 16 | 140      |
| 2000     | 2032       | 2020 | 2325     | 2230          | 48         | 48            | M45X3     | 54       | 2072 | 2070 | 16     | 30      | 16 | 150      |



PN16 带颈对焊钢制管法兰 Welding neck steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |      | 法兰<br>外径<br>D | 连接尺寸              |                |                   |           | 法兰<br>厚度<br>C | 法兰颈  |      |        |         |    | 法兰<br>高度<br>H |
|----------|------------|------|---------------|-------------------|----------------|-------------------|-----------|---------------|------|------|--------|---------|----|---------------|
|          |            |      |               | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |               | N    |      | S<br>≥ | H1<br>≈ | R  |               |
| DN       | A          | B    | D             |                   |                |                   |           |               | A    | B    |        |         |    |               |
| 10       | 17.2       | 14   | 90            | 60                | 14             | 4                 | M12       | 16            | 28   | 28   | 1.8    | 6       | 4  | 35            |
| 15       | 21.3       | 18   | 95            | 65                | 14             | 4                 | M12       | 16            | 32   | 32   | 2.0    | 6       | 4  | 38            |
| 20       | 26.9       | 25   | 105           | 75                | 14             | 4                 | M12       | 18            | 40   | 40   | 2.3    | 6       | 4  | 40            |
| 25       | 33.7       | 32   | 115           | 85                | 14             | 4                 | M12       | 18            | 46   | 46   | 2.6    | 6       | 4  | 40            |
| 32       | 42.4       | 38   | 140           | 100               | 18             | 4                 | M16       | 18            | 56   | 56   | 2.6    | 6       | 6  | 42            |
| 40       | 48.3       | 45   | 150           | 110               | 18             | 4                 | M16       | 18            | 64   | 64   | 2.6    | 7       | 6  | 45            |
| 50       | 60.3       | 57   | 165           | 125               | 18             | 4                 | M16       | 18            | 74   | 74   | 2.9    | 8       | 5  | 45            |
| 65       | 76.1       | 76   | 185           | 145               | 18             | 8                 | M16       | 18            | 92   | 92   | 2.9    | 10      | 6  | 45            |
| 80       | 88.9       | 89   | 200           | 160               | 18             | 8                 | M16       | 20            | 105  | 105  | 3.2    | 10      | 6  | 50            |
| 100      | 114.3      | 108  | 220           | 180               | 18             | 8                 | M16       | 20            | 131  | 131  | 3.6    | 12      | 8  | 52            |
| 125      | 139.7      | 133  | 250           | 210               | 18             | 8                 | M16       | 22            | 156  | 156  | 4.0    | 12      | 8  | 55            |
| 150      | 168.3      | 159  | 285           | 240               | 22             | 8                 | M20       | 22            | 184  | 184  | 4.5    | 12      | 10 | 55            |
| 200      | 219.1      | 219  | 340           | 295               | 22             | 12                | M20       | 24            | 235  | 235  | 6.3    | 16      | 10 | 62            |
| 250      | 273        | 273  | 405           | 355               | 26             | 12                | M24       | 26            | 292  | 292  | 6.3    | 16      | 12 | 70            |
| 300      | 323.9      | 325  | 460           | 410               | 26             | 12                | M24       | 28            | 344  | 344  | 7.1    | 16      | 12 | 78            |
| 350      | 355.6      | 377  | 520           | 470               | 26             | 16                | M24       | 30            | 390  | 410  | 8.0    | 16      | 12 | 82            |
| 400      | 406.4      | 426  | 580           | 525               | 30             | 16                | M27       | 32            | 445  | 464  | 8.0    | 16      | 12 | 85            |
| 450      | 457        | 480  | 640           | 585               | 30             | 20                | M27       | 40            | 490  | 512  | 8.0    | 16      | 12 | 87            |
| 500      | 508        | 530  | 715           | 650               | 33             | 20                | M30       | 44            | 548  | 578  | 8.0    | 16      | 12 | 90            |
| 600      | 610        | 630  | 840           | 770               | 36             | 20                | M33       | 54            | 652  | 670  | 8.8    | 18      | 12 | 95            |
| 700      | 711        | 720  | 910           | 840               | 36             | 24                | M33       | 36            | 755  | 759  | 8.8    | 18      | 12 | 100           |
| 800      | 813        | 820  | 1025          | 950               | 39             | 24                | M36X3     | 38            | 855  | 855  | 10.0   | 20      | 12 | 105           |
| 900      | 914        | 920  | 1125          | 1050              | 39             | 28                | M36X3     | 40            | 955  | 954  | 10.0   | 20      | 12 | 110           |
| 1000     | 1016       | 1020 | 1255          | 1170              | 42             | 28                | M39X3     | 42            | 1058 | 1060 | 10.0   | 22      | 16 | 120           |
| 1200     | 1219       | 1220 | 1485          | 1390              | 48             | 32                | M45X3     | 48            | 1262 | 1260 | 12.5   | 30      | 16 | 130           |
| 1400     | 1422       | 1420 | 1685          | 1590              | 48             | 36                | M45X3     | 52            | 1465 | 1465 | 14.2   | 30      | 16 | 145           |
| 1600     | 1626       | 1620 | 1930          | 1820              | 55             | 40                | M52X4     | 58            | 1668 | 1668 | 16     | 35      | 16 | 160           |
| 1800     | 1829       | 1820 | 2130          | 2020              | 55             | 44                | M52X4     | 62            | 1870 | 1870 | 17.5   | 35      | 16 | 170           |
| 2000     | 2032       | 2020 | 2345          | 2230              | 60             | 48                | M56X4     | 66            | 2072 | 2072 | 20     | 40      | 16 | 180           |

PN25 带颈对焊钢制管法兰 Welding neck steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径<br>D | 连接尺寸              |                |                   |           | 法兰<br>厚度<br>C | 法兰颈 |     |        |         |    | 法兰<br>高度<br>H |
|----------|------------|-----|---------------|-------------------|----------------|-------------------|-----------|---------------|-----|-----|--------|---------|----|---------------|
|          |            |     |               | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |               | N   |     | S<br>≥ | H1<br>≈ | R  |               |
|          | A          | B   |               |                   |                |                   |           | A             | B   |     |        |         |    |               |
| DN       | A          | B   | D             | K                 | L              | n(个)              | Th        | C             | A   | B   | ≥      | ≈       | R  | H             |
| 10       | 17.2       | 14  | 90            | 60                | 14             | 4                 | M12       | 16            | 28  | 28  | 1.8    | 6       | 4  | 35            |
| 15       | 21.3       | 18  | 95            | 65                | 14             | 4                 | M12       | 16            | 32  | 32  | 2.0    | 6       | 4  | 38            |
| 20       | 26.9       | 25  | 105           | 75                | 14             | 4                 | M12       | 18            | 40  | 40  | 2.3    | 6       | 4  | 40            |
| 25       | 33.7       | 32  | 115           | 85                | 14             | 4                 | M12       | 18            | 46  | 46  | 2.6    | 6       | 4  | 40            |
| 32       | 42.4       | 38  | 140           | 100               | 18             | 4                 | M16       | 18            | 56  | 56  | 2.6    | 6       | 6  | 42            |
| 40       | 48.3       | 45  | 150           | 110               | 18             | 4                 | M16       | 18            | 64  | 64  | 2.6    | 7       | 6  | 45            |
| 50       | 60.3       | 57  | 165           | 125               | 18             | 4                 | M16       | 20            | 75  | 75  | 2.9    | 8       | 6  | 48            |
| 65       | 76.1       | 76  | 185           | 145               | 18             | 8                 | M16       | 22            | 90  | 90  | 2.9    | 10      | 6  | 52            |
| 80       | 88.9       | 89  | 200           | 160               | 18             | 8                 | M16       | 24            | 105 | 105 | 3.2    | 12      | 8  | 58            |
| 100      | 114.3      | 108 | 235           | 190               | 22             | 8                 | M20       | 24            | 134 | 134 | 3.6    | 12      | 8  | 65            |
| 125      | 139.7      | 133 | 270           | 220               | 26             | 8                 | M24       | 26            | 162 | 162 | 4.0    | 12      | 8  | 68            |
| 150      | 168.3      | 159 | 300           | 250               | 26             | 8                 | M24       | 28            | 192 | 190 | 4.5    | 12      | 10 | 75            |
| 200      | 219.1      | 219 | 360           | 310               | 26             | 12                | M24       | 30            | 244 | 244 | 6.3    | 16      | 10 | 80            |
| 250      | 273        | 273 | 425           | 370               | 30             | 12                | M27       | 32            | 298 | 298 | 7.1    | 18      | 12 | 88            |
| 300      | 323.9      | 325 | 485           | 430               | 30             | 16                | M27       | 34            | 352 | 352 | 8.0    | 18      | 12 | 92            |
| 350      | 355.6      | 377 | 555           | 490               | 33             | 16                | M30       | 38            | 398 | 420 | 8.0    | 20      | 12 | 100           |
| 400      | 406.4      | 426 | 620           | 550               | 36             | 16                | M33       | 40            | 452 | 472 | 8.8    | 20      | 12 | 110           |
| 450      | 457        | 480 | 670           | 600               | 36             | 20                | M33       | 46            | 500 | 522 | 8.8    | 20      | 12 | 110           |
| 500      | 508        | 530 | 730           | 660               | 36             | 20                | M33       | 48            | 558 | 580 | 10     | 20      | 12 | 125           |
| 600      | 610        | 630 | 845           | 770               | 39             | 20                | M36x3     | 58            | 660 | 680 | 11     | 20      | 12 | 125           |

PN40 带颈对焊钢制管法兰 Welding neck steel pipe flange

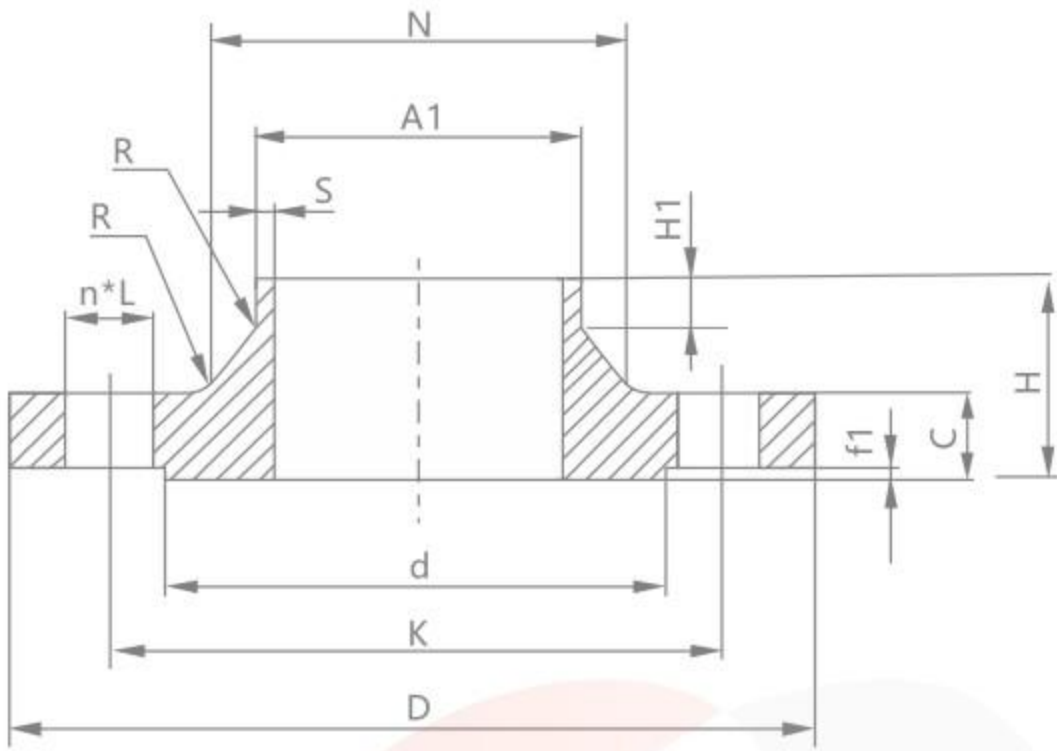
| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径<br>D | 连接尺寸              |                |                   |           | 法兰<br>厚度 | 法兰颈 |     |        |         |    | 法兰<br>高度 |
|----------|------------|-----|---------------|-------------------|----------------|-------------------|-----------|----------|-----|-----|--------|---------|----|----------|
|          |            |     |               | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |          | N   |     | S<br>≥ | H1<br>≈ | R  |          |
|          | DN         | A   |               |                   |                |                   |           | B        | C   | A   |        |         |    | B        |
| 10       | 17.2       | 14  | 90            | 60                | 14             | 4                 | M12       | 16       | 28  | 28  | 1.8    | 6       | 4  | 35       |
| 15       | 21.3       | 18  | 95            | 65                | 14             | 4                 | M12       | 16       | 32  | 32  | 2.0    | 6       | 4  | 38       |
| 20       | 26.9       | 25  | 105           | 75                | 14             | 4                 | M12       | 18       | 40  | 40  | 2.3    | 6       | 4  | 40       |
| 25       | 33.7       | 32  | 115           | 85                | 14             | 4                 | M12       | 18       | 46  | 46  | 2.6    | 6       | 4  | 40       |
| 32       | 42.4       | 38  | 140           | 100               | 18             | 4                 | M16       | 18       | 56  | 56  | 2.6    | 6       | 6  | 42       |
| 40       | 48.3       | 45  | 150           | 110               | 18             | 4                 | M16       | 18       | 64  | 64  | 2.6    | 7       | 6  | 45       |
| 50       | 60.3       | 57  | 165           | 125               | 18             | 4                 | M16       | 20       | 75  | 75  | 2.9    | 8       | 6  | 48       |
| 65       | 76.1       | 76  | 185           | 145               | 18             | 8                 | M16       | 22       | 90  | 90  | 2.9    | 10      | 6  | 52       |
| 80       | 88.9       | 89  | 200           | 160               | 18             | 8                 | M16       | 24       | 105 | 105 | 3.2    | 12      | 8  | 58       |
| 100      | 114.3      | 108 | 235           | 190               | 22             | 8                 | M20       | 24       | 134 | 134 | 3.6    | 12      | 8  | 65       |
| 125      | 139.7      | 133 | 270           | 220               | 26             | 8                 | M24       | 26       | 162 | 162 | 4.0    | 12      | 8  | 68       |
| 150      | 168.3      | 159 | 300           | 250               | 26             | 8                 | M24       | 28       | 192 | 192 | 4.5    | 12      | 10 | 75       |
| 200      | 219.1      | 219 | 375           | 320               | 30             | 12                | M27       | 34       | 244 | 244 | 6.3    | 16      | 10 | 88       |
| 250      | 273        | 273 | 450           | 385               | 33             | 12                | M30       | 38       | 306 | 306 | 7.1    | 18      | 12 | 105      |
| 300      | 323.9      | 325 | 515           | 450               | 33             | 16                | M30       | 42       | 362 | 362 | 8.0    | 18      | 12 | 115      |
| 350      | 355.6      | 377 | 580           | 510               | 36             | 16                | M33       | 46       | 408 | 430 | 8.8    | 20      | 12 | 125      |
| 400      | 406.4      | 426 | 660           | 585               | 39             | 16                | M36x3     | 50       | 462 | 482 | 11.0   | 20      | 12 | 135      |
| 450      | 457        | 480 | 685           | 610               | 39             | 20                | M36x3     | 57       | 500 | 522 | 12.5   | 20      | 12 | 135      |
| 500      | 508        | 530 | 755           | 670               | 42             | 20                | M39x3     | 57       | 562 | 584 | 14.2   | 20      | 12 | 140      |
| 600      | 610        | 630 | 890           | 795               | 48             | 20                | M45x3     | 72       | 666 | 686 | 16.0   | 20      | 12 | 150      |

PN63 带颈对焊钢制管法兰 Welding neck steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径 | 连接尺寸              |                |                   |           | 法兰<br>厚度 | 法兰颈 |     |        |         |    | 法兰<br>高度 |
|----------|------------|-----|----------|-------------------|----------------|-------------------|-----------|----------|-----|-----|--------|---------|----|----------|
|          |            |     |          | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |          | N   |     | S<br>≥ | H1<br>≈ | R  |          |
|          | DN         | A   | B        |                   |                |                   |           | A        | B   | H   |        |         |    |          |
| 10       | 17.2       | 14  | 100      | 70                | 14             | 4                 | M12       | 20       | 32  | 32  | 1.8    | 6       | 4  | 45       |
| 15       | 21.3       | 18  | 105      | 75                | 14             | 4                 | M12       | 20       | 34  | 34  | 2.0    | 6       | 4  | 45       |
| 20       | 26.9       | 25  | 130      | 90                | 18             | 4                 | M16       | 22       | 42  | 42  | 2.6    | 8       | 4  | 48       |
| 25       | 33.7       | 32  | 140      | 100               | 18             | 4                 | M16       | 24       | 52  | 52  | 2.6    | 8       | 4  | 58       |
| 32       | 42.4       | 38  | 155      | 110               | 22             | 4                 | M20       | 24       | 62  | 62  | 2.9    | 8       | 6  | 60       |
| 40       | 48.3       | 45  | 170      | 125               | 22             | 4                 | M20       | 26       | 70  | 70  | 2.9    | 10      | 6  | 62       |
| 50       | 60.3       | 57  | 180      | 135               | 22             | 4                 | M20       | 26       | 82  | 82  | 2.9    | 10      | 6  | 62       |
| 65       | 76.1       | 76  | 205      | 160               | 22             | 8                 | M20       | 26       | 98  | 98  | 3.2    | 12      | 6  | 68       |
| 80       | 88.9       | 89  | 215      | 170               | 22             | 8                 | M20       | 28       | 112 | 112 | 3.6    | 12      | 8  | 72       |
| 100      | 114.3      | 108 | 250      | 200               | 26             | 8                 | M24       | 30       | 138 | 138 | 4.0    | 12      | 8  | 78       |
| 125      | 139.7      | 133 | 295      | 240               | 30             | 8                 | M27       | 34       | 168 | 168 | 4.5    | 12      | 8  | 88       |
| 150      | 168.3      | 159 | 345      | 280               | 33             | 8                 | M30       | 36       | 202 | 202 | 5.6    | 12      | 10 | 95       |
| 200      | 219.1      | 219 | 415      | 345               | 36             | 12                | M33       | 42       | 256 | 256 | 7.1    | 16      | 10 | 110      |
| 250      | 273        | 273 | 470      | 400               | 36             | 12                | M33       | 46       | 316 | 316 | 8.8    | 18      | 12 | 125      |
| 300      | 323.9      | 325 | 530      | 460               | 36             | 16                | M33       | 52       | 372 | 372 | 11.0   | 18      | 12 | 140      |
| 350      | 355.6      | 377 | 600      | 525               | 39             | 16                | M36x3     | 56       | 420 | 442 | 12.5   | 20      | 12 | 150      |
| 400      | 406.4      | 426 | 670      | 585               | 42             | 16                | M39x3     | 60       | 475 | 495 | 14.2   | 20      | 12 | 160      |

PN100 带颈对焊钢制管法兰 Welding neck steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径<br>D | 连接尺寸              |                |                   |           | 法兰<br>厚度<br>C | 法兰颈 |     |        |         |    | 法兰<br>高度<br>H |
|----------|------------|-----|---------------|-------------------|----------------|-------------------|-----------|---------------|-----|-----|--------|---------|----|---------------|
|          |            |     |               | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |               | N   |     | S<br>≥ | H1<br>≈ | R  |               |
|          | A          | B   |               |                   |                |                   |           |               | A   | B   |        |         |    |               |
| DN       | A          | B   | D             | K                 | L              | n(个)              | Th        | C             | A   | B   | ≥      | ≈       | R  | H             |
| 10       | 17.2       | 14  | 100           | 70                | 14             | 4                 | M12       | 20            | 32  | 32  | 1.8    | 6       | 4  | 45            |
| 15       | 21.3       | 18  | 105           | 75                | 14             | 4                 | M12       | 20            | 34  | 34  | 2.0    | 6       | 4  | 45            |
| 20       | 26.9       | 25  | 130           | 90                | 18             | 4                 | M16       | 22            | 42  | 42  | 2.6    | 8       | 4  | 48            |
| 25       | 33.7       | 32  | 140           | 100               | 18             | 4                 | M16       | 24            | 52  | 52  | 2.6    | 8       | 4  | 58            |
| 32       | 42.4       | 38  | 155           | 110               | 22             | 4                 | M20       | 24            | 62  | 62  | 2.9    | 8       | 6  | 60            |
| 40       | 48.3       | 45  | 170           | 125               | 22             | 4                 | M20       | 26            | 70  | 70  | 2.9    | 10      | 6  | 62            |
| 50       | 60.3       | 57  | 195           | 145               | 26             | 4                 | M24       | 28            | 90  | 90  | 3.2    | 10      | 6  | 68            |
| 65       | 76.1       | 76  | 220           | 170               | 26             | 8                 | M24       | 30            | 108 | 108 | 3.6    | 12      | 6  | 76            |
| 80       | 88.9       | 89  | 230           | 180               | 26             | 8                 | M24       | 32            | 120 | 120 | 4.0    | 12      | 8  | 78            |
| 100      | 114.3      | 108 | 265           | 210               | 30             | 8                 | M27       | 36            | 150 | 150 | 5.0    | 12      | 8  | 90            |
| 125      | 139.7      | 133 | 315           | 250               | 33             | 8                 | M30       | 40            | 180 | 180 | 6.3    | 12      | 8  | 105           |
| 150      | 168.3      | 159 | 355           | 290               | 33             | 12                | M30       | 44            | 210 | 210 | 7.1    | 12      | 10 | 115           |
| 200      | 219.1      | 219 | 430           | 360               | 36             | 12                | M33       | 52            | 278 | 278 | 10.0   | 16      | 10 | 130           |
| 250      | 273        | 273 | 505           | 430               | 39             | 12                | M36x3     | 60            | 340 | 340 | 12.5   | 18      | 12 | 157           |
| 300      | 323.9      | 325 | 585           | 500               | 42             | 16                | M39x3     | 68            | 400 | 400 | 14.2   | 18      | 12 | 170           |
| 350      | 355.6      | 377 | 655           | 560               | 48             | 16                | M45x3     | 74            | 460 | 482 | 16.0   | 20      | 12 | 189           |

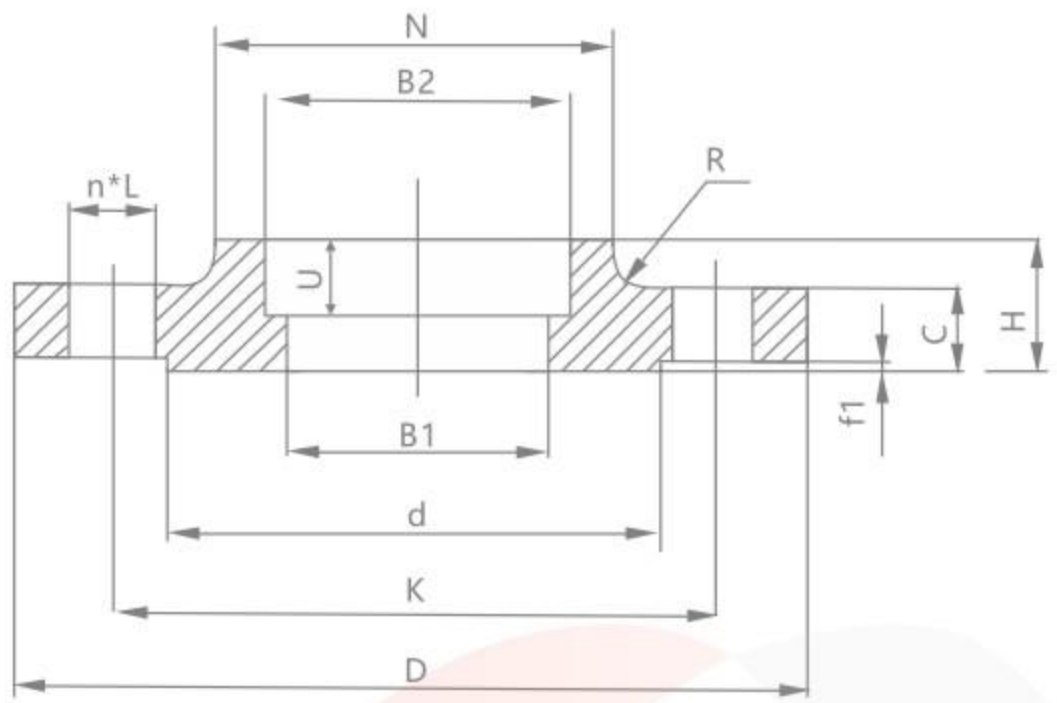


PN160 带颈对焊钢制管法兰 Welding neck steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 法兰<br>外径 | 连接尺寸          |            |               |           | 法兰<br>厚度 | 法兰颈 |     |        |         |    | 法兰<br>高度 |
|----------|------------|-----|----------|---------------|------------|---------------|-----------|----------|-----|-----|--------|---------|----|----------|
|          |            |     |          | 螺栓孔中心圆直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th |          | N   |     | S<br>≥ | H1<br>≈ | R  |          |
|          | DN         | A   |          |               |            |               |           | B        | D   | C   |        |         |    | A        |
| 10       | 17.2       | 14  | 100      | 70            | 14         | 4             | M12       | 20       | 32  | 32  | 2.0    | 6       | 4  | 45       |
| 15       | 21.3       | 18  | 105      | 75            | 14         | 4             | M12       | 20       | 34  | 34  | 2.0    | 6       | 4  | 45       |
| 20       | 26.9       | 25  | 130      | 90            | 18         | 4             | M16       | 24       | 42  | 42  | 2.9    | 6       | 4  | 52       |
| 25       | 33.7       | 32  | 140      | 100           | 18         | 4             | M16       | 24       | 52  | 52  | 2.9    | 8       | 4  | 58       |
| 32       | 42.4       | 38  | 155      | 110           | 22         | 4             | M20       | 28       | 60  | 60  | 3.6    | 8       | 5  | 60       |
| 40       | 48.3       | 45  | 170      | 125           | 22         | 4             | M20       | 28       | 70  | 70  | 3.6    | 10      | 6  | 64       |
| 50       | 60.3       | 57  | 195      | 145           | 26         | 4             | M24       | 30       | 90  | 90  | 4      | 10      | 6  | 75       |
| 65       | 76.1       | 76  | 220      | 170           | 26         | 8             | M24       | 34       | 108 | 108 | 5      | 12      | 6  | 82       |
| 80       | 88.9       | 89  | 230      | 180           | 26         | 8             | M24       | 36       | 120 | 120 | 6.3    | 12      | 8  | 86       |
| 100      | 114.3      | 108 | 265      | 210           | 30         | 8             | M27       | 40       | 150 | 150 | 8      | 12      | 8  | 100      |
| 125      | 139.7      | 133 | 315      | 250           | 33         | 8             | M30       | 44       | 180 | 180 | 10     | 14      | 8  | 115      |
| 150      | 168.3      | 159 | 355      | 290           | 33         | 12            | M30       | 50       | 210 | 210 | 12.5   | 14      | 10 | 128      |
| 200      | 219.1      | 219 | 430      | 360           | 36         | 12            | M33       | 60       | 278 | 278 | 16     | 16      | 10 | 140      |
| 250      | 273        | 273 | 515      | 430           | 42         | 12            | M39x3     | 68       | 340 | 340 | 20     | 18      | 12 | 155      |
| 300      | 323.9      | 325 | 585      | 500           | 42         | 16            | M39x3     | 78       | 400 | 400 | 22.2   | 18      | 12 | 175      |

SOCKET WELDED  
STEEL PIPE FLANGE 承插焊钢制管法兰

HG/T20597-2009(SW)



PN10 承插焊钢制管法兰 Socket welded steel pipe flange

| 公称<br>尺寸 | 钢管外径<br>A1 |    | 法兰<br>外径 | 连接尺寸              |                |                   |           | 法兰<br>厚度 | 法兰内径<br>B1 |    | 承插孔  |    |    | 法兰颈 |   | 法兰<br>高度 |
|----------|------------|----|----------|-------------------|----------------|-------------------|-----------|----------|------------|----|------|----|----|-----|---|----------|
|          |            |    |          | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |          |            |    | B2   |    | U  | N   | R |          |
|          | DN         | A  |          |                   |                |                   |           |          | B          | D  | A    | B  |    |     |   |          |
| 10       | 17.2       | 14 | 90       | 60                | 14             | 4                 | M12       | 16       | 11.5       | 9  | 18   | 15 | 9  | 30  | 4 | 22       |
| 15       | 21.3       | 18 | 95       | 65                | 14             | 4                 | M12       | 16       | 15.5       | 12 | 22.5 | 19 | 10 | 35  | 4 | 22       |
| 20       | 26.9       | 25 | 105      | 75                | 14             | 4                 | M12       | 18       | 21         | 19 | 27.5 | 26 | 11 | 45  | 4 | 26       |
| 25       | 33.7       | 32 | 115      | 85                | 14             | 4                 | M12       | 18       | 27         | 26 | 34.5 | 33 | 13 | 52  | 4 | 28       |
| 32       | 42.4       | 38 | 140      | 100               | 18             | 4                 | M16       | 18       | 35         | 30 | 43.5 | 39 | 14 | 60  | 6 | 30       |
| 40       | 48.3       | 45 | 150      | 110               | 18             | 4                 | M16       | 18       | 41         | 37 | 49.5 | 46 | 16 | 70  | 6 | 32       |
| 50       | 60.3       | 57 | 165      | 125               | 18             | 4                 | M16       | 18       | 52         | 49 | 61.5 | 59 | 17 | 84  | 5 | 28       |

PN16 承插焊钢制管法兰 Socket welded steel pipe flange

| 10 | 17.2 | 14 | 90  | 60  | 14 | 4 | M12 | 16 | 11.5 | 9  | 18   | 15 | 9  | 30 | 4 | 22 |
|----|------|----|-----|-----|----|---|-----|----|------|----|------|----|----|----|---|----|
| 15 | 21.3 | 18 | 95  | 65  | 14 | 4 | M12 | 16 | 15.5 | 12 | 22.5 | 19 | 10 | 35 | 4 | 22 |
| 20 | 26.9 | 25 | 105 | 75  | 14 | 4 | M12 | 18 | 21   | 19 | 27.5 | 26 | 11 | 45 | 4 | 26 |
| 25 | 33.7 | 32 | 115 | 85  | 14 | 4 | M12 | 18 | 27   | 26 | 34.5 | 33 | 13 | 52 | 4 | 28 |
| 32 | 42.4 | 38 | 140 | 100 | 18 | 4 | M16 | 18 | 35   | 30 | 43.5 | 39 | 14 | 60 | 6 | 30 |
| 40 | 48.3 | 45 | 150 | 110 | 18 | 4 | M16 | 18 | 41   | 37 | 49.5 | 46 | 16 | 70 | 6 | 32 |
| 50 | 60.3 | 57 | 165 | 125 | 18 | 4 | M16 | 18 | 52   | 49 | 61.5 | 59 | 17 | 84 | 5 | 28 |

PN25 承插焊钢制管法兰 Socket welded steel pipe flange

| 公称尺寸 | 钢管外径<br>A1 |    | 法兰<br>外径<br>D | 连接尺寸              |                |                   |           | 法兰<br>厚度<br>C | 法兰内径<br>B1 |    | 承插孔  |    |    | 法兰颈 |   | 法兰<br>高度<br>H |
|------|------------|----|---------------|-------------------|----------------|-------------------|-----------|---------------|------------|----|------|----|----|-----|---|---------------|
|      |            |    |               | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |               |            |    | B2   |    | U  |     |   |               |
| DN   | A          | B  | D             |                   |                |                   |           |               | A          | B  | A    | B  | U  | N   | R | H             |
| 10   | 17.2       | 14 | 90            | 60                | 14             | 4                 | M12       | 16            | 11.5       | 9  | 18   | 15 | 9  | 30  | 4 | 22            |
| 15   | 21.3       | 18 | 95            | 65                | 14             | 4                 | M12       | 16            | 15.5       | 12 | 22.5 | 19 | 10 | 35  | 4 | 22            |
| 20   | 26.9       | 25 | 105           | 75                | 14             | 4                 | M12       | 18            | 21         | 19 | 27.5 | 26 | 11 | 45  | 4 | 26            |
| 25   | 33.7       | 32 | 115           | 85                | 14             | 4                 | M12       | 18            | 27         | 26 | 34.5 | 33 | 13 | 52  | 4 | 28            |
| 32   | 42.4       | 38 | 140           | 100               | 18             | 4                 | M16       | 18            | 35         | 30 | 43.5 | 39 | 14 | 60  | 6 | 30            |
| 40   | 48.3       | 45 | 150           | 110               | 18             | 4                 | M16       | 18            | 41         | 37 | 49.5 | 46 | 16 | 70  | 6 | 32            |
| 50   | 60.3       | 57 | 165           | 125               | 18             | 4                 | M16       | 20            | 52         | 49 | 61.5 | 59 | 17 | 84  | 6 | 34            |

PN40 承插焊钢制管法兰 Socket welded steel pipe flange

|    |      |    |     |     |    |   |     |    |      |    |      |    |    |    |   |    |
|----|------|----|-----|-----|----|---|-----|----|------|----|------|----|----|----|---|----|
| 10 | 17.2 | 14 | 90  | 60  | 14 | 4 | M12 | 16 | 11.5 | 9  | 18   | 15 | 9  | 30 | 4 | 22 |
| 15 | 21.3 | 18 | 95  | 65  | 14 | 4 | M12 | 16 | 15.5 | 12 | 22.5 | 19 | 10 | 35 | 4 | 22 |
| 20 | 26.9 | 25 | 105 | 75  | 14 | 4 | M12 | 18 | 21   | 19 | 27.5 | 26 | 11 | 45 | 4 | 26 |
| 25 | 33.7 | 32 | 115 | 85  | 14 | 4 | M12 | 18 | 27   | 26 | 34.5 | 33 | 13 | 52 | 4 | 28 |
| 32 | 42.4 | 38 | 140 | 100 | 18 | 4 | M16 | 18 | 35   | 30 | 43.5 | 39 | 14 | 60 | 6 | 30 |
| 40 | 48.3 | 45 | 150 | 110 | 18 | 4 | M16 | 18 | 41   | 37 | 49.5 | 46 | 16 | 70 | 6 | 32 |
| 50 | 60.3 | 57 | 165 | 125 | 18 | 4 | M16 | 20 | 52   | 49 | 61.5 | 59 | 17 | 84 | 6 | 34 |

PN63 承插焊钢制管法兰 Socket welded steel pipe flange

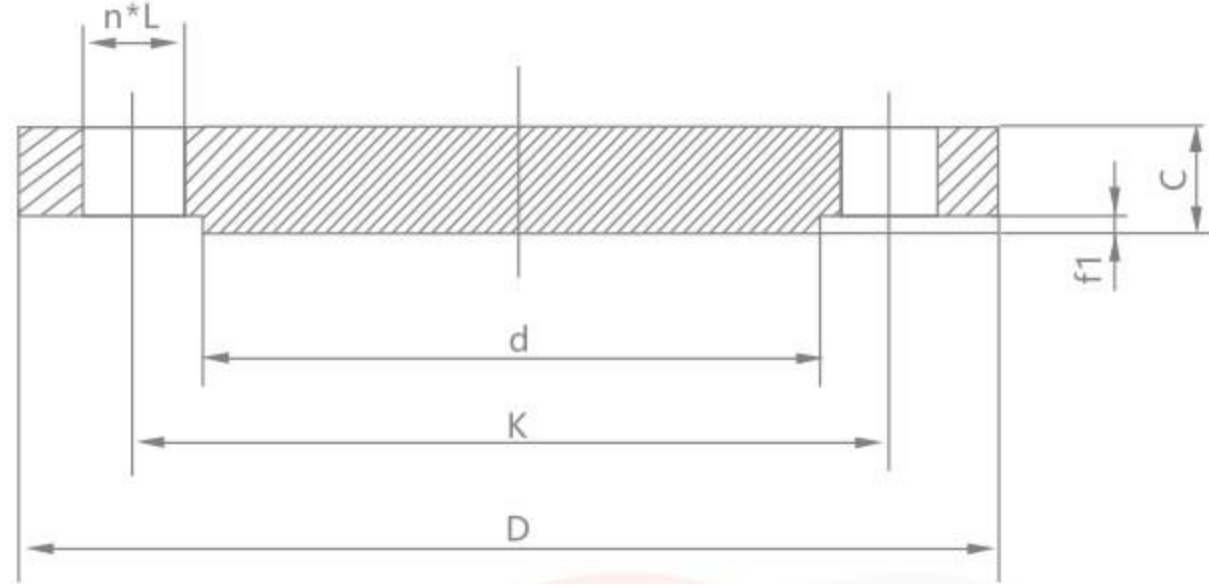
|    |      |    |     |     |    |   |     |    |      |    |      |    |    |    |   |    |
|----|------|----|-----|-----|----|---|-----|----|------|----|------|----|----|----|---|----|
| 10 | 17.2 | 14 | 100 | 70  | 14 | 4 | M12 | 20 | 11.5 | 9  | 18   | 15 | 9  | 40 | 4 | 28 |
| 15 | 21.3 | 18 | 105 | 75  | 14 | 4 | M12 | 20 | 15.5 | 12 | 22.5 | 19 | 10 | 43 | 4 | 28 |
| 20 | 26.9 | 25 | 130 | 90  | 18 | 4 | M16 | 22 | 21   | 19 | 27.5 | 26 | 11 | 52 | 4 | 30 |
| 25 | 33.7 | 32 | 140 | 100 | 18 | 4 | M16 | 24 | 27   | 26 | 34.5 | 33 | 13 | 60 | 4 | 32 |
| 32 | 42.4 | 38 | 155 | 110 | 22 | 4 | M20 | 24 | 35   | 30 | 43.5 | 39 | 14 | 68 | 6 | 32 |
| 40 | 48.3 | 45 | 170 | 125 | 22 | 4 | M20 | 26 | 41   | 37 | 49.5 | 46 | 16 | 80 | 6 | 34 |
| 50 | 60.3 | 57 | 180 | 135 | 22 | 4 | M20 | 26 | 52   | 49 | 61.5 | 59 | 17 | 90 | 6 | 36 |

PN100 承插焊钢制管法兰 Socket welded steel pipe flange

|    |      |    |     |     |    |   |     |    |      |    |      |    |    |    |   |    |
|----|------|----|-----|-----|----|---|-----|----|------|----|------|----|----|----|---|----|
| 10 | 17.2 | 14 | 100 | 70  | 14 | 4 | M12 | 20 | 11.5 | 9  | 18   | 15 | 9  | 40 | 4 | 28 |
| 15 | 21.3 | 18 | 105 | 75  | 14 | 4 | M12 | 20 | 15.5 | 12 | 22.5 | 19 | 10 | 43 | 4 | 28 |
| 20 | 26.9 | 25 | 130 | 90  | 18 | 4 | M16 | 22 | 21   | 19 | 27.5 | 26 | 11 | 52 | 4 | 30 |
| 25 | 33.7 | 32 | 140 | 100 | 18 | 4 | M16 | 24 | 27   | 26 | 34.5 | 33 | 13 | 60 | 4 | 32 |
| 32 | 42.4 | 38 | 155 | 110 | 22 | 4 | M20 | 24 | 35   | 30 | 43.5 | 39 | 14 | 68 | 6 | 32 |
| 40 | 48.3 | 45 | 170 | 125 | 22 | 4 | M20 | 26 | 41   | 37 | 49.5 | 46 | 16 | 80 | 6 | 34 |
| 50 | 60.3 | 57 | 195 | 145 | 26 | 4 | M24 | 28 | 52   | 49 | 61.5 | 59 | 17 | 95 | 6 | 36 |

STEEL PIPE  
FLANGE COVER 钢制管法兰盖

HG/T20601-2009(BL)



PN6 钢制管法兰盖 Steel pipe flange cover

| 公称尺寸 | 法兰<br>外径<br>D | 连接尺寸              |                |                   |           | 法兰<br>厚度<br>C |
|------|---------------|-------------------|----------------|-------------------|-----------|---------------|
|      |               | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓孔<br>数量<br>n(个) | 螺 栓<br>Th |               |
| 10   | 75            | 50                | 11             | 4                 | M10       | 12            |
| 15   | 80            | 55                | 11             | 4                 | M10       | 12            |
| 20   | 90            | 65                | 11             | 4                 | M10       | 14            |
| 25   | 100           | 75                | 11             | 4                 | M10       | 14            |
| 32   | 120           | 90                | 14             | 4                 | M12       | 14            |
| 40   | 130           | 100               | 14             | 4                 | M12       | 14            |
| 50   | 140           | 110               | 14             | 4                 | M12       | 14            |
| 65   | 160           | 130               | 14             | 4                 | M12       | 14            |
| 80   | 190           | 150               | 18             | 4                 | M16       | 16            |
| 100  | 210           | 170               | 18             | 4                 | M16       | 16            |
| 125  | 240           | 200               | 18             | 8                 | M16       | 18            |
| 150  | 265           | 225               | 18             | 8                 | M16       | 18            |
| 200  | 320           | 280               | 18             | 8                 | M16       | 20            |
| 250  | 375           | 335               | 18             | 12                | M16       | 22            |
| 300  | 440           | 395               | 22             | 12                | M20       | 22            |
| 350  | 490           | 445               | 22             | 12                | M20       | 22            |
| 400  | 540           | 495               | 22             | 16                | M20       | 22            |
| 450  | 595           | 550               | 22             | 16                | M20       | 24            |
| 500  | 645           | 600               | 22             | 20                | M20       | 24            |
| 600  | 755           | 705               | 26             | 20                | M24       | 30            |
| 700  | 860           | 810               | 26             | 24                | M24       | 40            |
| 800  | 975           | 920               | 30             | 24                | M27       | 44            |
| 900  | 1075          | 1020              | 30             | 24                | M27       | 48            |
| 1000 | 1175          | 1120              | 30             | 28                | M27       | 52            |
| 1200 | 1405          | 1340              | 33             | 32                | M30       | 60            |
| 1400 | 1630          | 1560              | 36             | 36                | M33       | 68            |
| 1600 | 1830          | 1760              | 36             | 40                | M33       | 76            |
| 1800 | 2045          | 1970              | 39             | 44                | M36x3     | 84            |
| 2000 | 2265          | 2180              | 42             | 48                | M39x3     | 92            |

PN10 钢制管法兰盖 Steel pipe flange cover

| 公称尺寸<br>DN | 法兰外径<br>D | 连接尺寸           |            |               |           | 法兰厚度<br>C |
|------------|-----------|----------------|------------|---------------|-----------|-----------|
|            |           | 螺栓孔中心圆 直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th |           |
| 10         | 90        | 60             | 14         | 4             | M12       | 16        |
| 15         | 95        | 65             | 14         | 4             | M12       | 16        |
| 20         | 105       | 75             | 14         | 4             | M12       | 18        |
| 25         | 115       | 85             | 14         | 4             | M12       | 18        |
| 32         | 140       | 100            | 18         | 4             | M16       | 18        |
| 40         | 150       | 110            | 18         | 4             | M16       | 18        |
| 50         | 165       | 125            | 18         | 4             | M16       | 18        |
| 65         | 185       | 145            | 18         | 8             | M16       | 18        |
| 80         | 200       | 160            | 18         | 8             | M16       | 20        |
| 100        | 220       | 180            | 18         | 8             | M16       | 20        |
| 125        | 250       | 210            | 18         | 8             | M16       | 22        |
| 150        | 285       | 240            | 22         | 8             | M20       | 22        |
| 200        | 340       | 295            | 22         | 8             | M20       | 24        |
| 250        | 395       | 350            | 22         | 12            | M20       | 26        |
| 300        | 445       | 400            | 22         | 12            | M20       | 26        |
| 350        | 505       | 460            | 22         | 16            | M20       | 26        |
| 400        | 565       | 515            | 26         | 16            | M24       | 26        |
| 450        | 615       | 565            | 26         | 20            | M24       | 28        |
| 500        | 670       | 620            | 26         | 20            | M24       | 28        |
| 600        | 780       | 725            | 30         | 20            | M27       | 34        |
| 700        | 895       | 840            | 30         | 24            | M27       | 38        |
| 800        | 1015      | 950            | 33         | 24            | M30       | 42        |
| 900        | 1115      | 1050           | 33         | 28            | M30       | 46        |
| 1000       | 1230      | 1160           | 36         | 28            | M33       | 52        |
| 1200       | 1455      | 1380           | 39         | 32            | M36x3     | 60        |

PN16 钢制管法兰盖 Steel pipe flange cover

| 公称尺寸<br>DN | 法兰外径<br>D | 螺栓孔中心圆 直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th | 法兰厚度<br>C |
|------------|-----------|----------------|------------|---------------|-----------|-----------|
|            |           |                |            |               |           |           |
| 10         | 90        | 60             | 14         | 4             | M12       | 16        |
| 15         | 95        | 65             | 14         | 4             | M12       | 16        |
| 20         | 105       | 75             | 14         | 4             | M12       | 18        |
| 25         | 115       | 85             | 14         | 4             | M12       | 18        |
| 32         | 140       | 100            | 18         | 4             | M16       | 18        |
| 40         | 150       | 110            | 18         | 4             | M16       | 18        |
| 50         | 165       | 125            | 18         | 4             | M16       | 18        |
| 65         | 185       | 145            | 18         | 8             | M16       | 18        |
| 80         | 200       | 160            | 18         | 8             | M16       | 20        |
| 100        | 220       | 180            | 18         | 8             | M16       | 20        |
| 125        | 250       | 210            | 18         | 8             | M16       | 22        |
| 150        | 285       | 240            | 22         | 8             | M20       | 22        |
| 200        | 340       | 295            | 22         | 12            | M20       | 24        |
| 250        | 405       | 355            | 26         | 12            | M24       | 26        |
| 300        | 460       | 410            | 26         | 12            | M24       | 28        |
| 350        | 520       | 470            | 26         | 16            | M24       | 30        |
| 400        | 580       | 525            | 30         | 16            | M27       | 32        |
| 450        | 640       | 585            | 30         | 20            | M27       | 40        |
| 500        | 715       | 650            | 33         | 20            | M30       | 44        |
| 600        | 840       | 770            | 36         | 20            | M33       | 54        |
| 700        | 910       | 840            | 36         | 24            | M33       | 48        |
| 800        | 1025      | 950            | 39         | 24            | M36x3     | 52        |
| 900        | 1125      | 1050           | 39         | 28            | M36x3     | 58        |
| 1000       | 1255      | 1170           | 42         | 28            | M39x3     | 64        |
| 1200       | 1485      | 1390           | 48         | 32            | M45x3     | 76        |

PN25 钢制管法兰盖 Steel pipe flange cover

| 公称尺寸<br>DN | 法兰外径<br>D | 螺栓孔中心圆 直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th | 法兰厚度<br>C |
|------------|-----------|----------------|------------|---------------|-----------|-----------|
|            |           |                |            |               |           |           |
| 10         | 90        | 60             | 14         | 4             | M12       | 16        |
| 15         | 95        | 65             | 14         | 4             | M12       | 16        |
| 20         | 105       | 75             | 14         | 4             | M12       | 18        |
| 25         | 115       | 85             | 14         | 4             | M12       | 18        |
| 32         | 140       | 100            | 18         | 4             | M16       | 18        |
| 40         | 150       | 110            | 18         | 4             | M16       | 18        |
| 50         | 165       | 125            | 18         | 4             | M16       | 20        |
| 65         | 185       | 145            | 18         | 8             | M16       | 22        |
| 80         | 200       | 160            | 18         | 8             | M16       | 24        |
| 100        | 235       | 190            | 22         | 8             | M20       | 24        |
| 125        | 270       | 220            | 26         | 8             | M24       | 26        |
| 150        | 300       | 250            | 26         | 8             | M24       | 28        |
| 200        | 360       | 310            | 26         | 12            | M24       | 30        |
| 250        | 425       | 370            | 30         | 12            | M27       | 32        |
| 300        | 485       | 430            | 30         | 16            | M27       | 34        |
| 350        | 555       | 490            | 33         | 16            | M30       | 38        |
| 400        | 620       | 550            | 36         | 16            | M33       | 40        |
| 450        | 670       | 600            | 36         | 20            | M33       | 46        |
| 500        | 730       | 660            | 36         | 20            | M33       | 48        |
| 600        | 845       | 770            | 39         | 20            | M36x3     | 58        |

PN40 钢制管法兰盖 Steel pipe flange cover

| 公称尺寸<br>DN | 法兰外径<br>D | 螺栓孔中心圆 直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th | 法兰厚度<br>C |
|------------|-----------|----------------|------------|---------------|-----------|-----------|
|            |           |                |            |               |           |           |
| 10         | 90        | 60             | 14         | 4             | M12       | 16        |
| 15         | 95        | 65             | 14         | 4             | M12       | 16        |
| 20         | 105       | 75             | 14         | 4             | M12       | 18        |
| 25         | 115       | 85             | 14         | 4             | M12       | 18        |
| 32         | 140       | 100            | 18         | 4             | M16       | 18        |
| 40         | 150       | 110            | 18         | 4             | M16       | 18        |
| 50         | 165       | 125            | 18         | 4             | M16       | 20        |
| 65         | 185       | 145            | 18         | 8             | M16       | 22        |
| 80         | 200       | 160            | 18         | 8             | M16       | 24        |
| 100        | 235       | 190            | 22         | 8             | M20       | 24        |
| 125        | 270       | 220            | 26         | 8             | M24       | 26        |
| 150        | 300       | 250            | 26         | 8             | M24       | 28        |
| 200        | 375       | 320            | 30         | 12            | M27       | 36        |
| 250        | 450       | 385            | 33         | 12            | M30       | 38        |
| 300        | 515       | 450            | 33         | 16            | M30       | 42        |
| 350        | 580       | 510            | 36         | 16            | M33       | 46        |
| 400        | 660       | 585            | 39         | 16            | M36x3     | 50        |
| 450        | 685       | 610            | 39         | 20            | M36x3     | 57        |
| 500        | 755       | 670            | 42         | 20            | M39x3     | 57        |
| 600        | 890       | 795            | 48         | 20            | M45x3     | 72        |

PN63 钢制管法兰盖 Steel pipe flange cover

| 公称尺寸<br>DN | 法兰外径<br>D | 连接尺寸           |            |               |           | 法兰厚度<br>C |
|------------|-----------|----------------|------------|---------------|-----------|-----------|
|            |           | 螺栓孔中心圆 直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th |           |
| 10         | 100       | 70             | 14         | 4             | M12       | 20        |
| 15         | 105       | 75             | 14         | 4             | M12       | 20        |
| 20         | 130       | 90             | 18         | 4             | M16       | 22        |
| 25         | 140       | 100            | 18         | 4             | M16       | 24        |
| 32         | 155       | 110            | 22         | 4             | M20       | 24        |
| 40         | 170       | 125            | 22         | 4             | M20       | 26        |
| 50         | 180       | 135            | 22         | 4             | M20       | 26        |
| 65         | 205       | 160            | 22         | 8             | M20       | 26        |
| 80         | 215       | 170            | 22         | 8             | M20       | 28        |
| 100        | 250       | 200            | 26         | 8             | M24       | 30        |
| 125        | 295       | 240            | 30         | 8             | M27       | 34        |
| 150        | 345       | 280            | 33         | 8             | M30       | 36        |
| 200        | 415       | 345            | 36         | 12            | M33       | 42        |
| 250        | 470       | 400            | 36         | 12            | M33       | 46        |
| 300        | 530       | 460            | 36         | 16            | M33       | 52        |
| 350        | 600       | 525            | 39         | 16            | M36x3     | 56        |
| 400        | 670       | 585            | 42         | 16            | M39x3     | 60        |

PN100 钢制管法兰盖 Steel pipe flange cover

| 公称尺寸<br>DN | 法兰外径<br>D | 螺栓孔中心圆 直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th | 法兰厚度<br>C |
|------------|-----------|----------------|------------|---------------|-----------|-----------|
| 10         | 100       | 70             | 14         | 4             | M12       | 20        |
| 15         | 105       | 75             | 14         | 4             | M12       | 20        |
| 20         | 130       | 90             | 18         | 4             | M16       | 22        |
| 25         | 140       | 100            | 18         | 4             | M16       | 24        |
| 32         | 155       | 110            | 22         | 4             | M20       | 24        |
| 40         | 170       | 125            | 22         | 4             | M20       | 26        |
| 50         | 195       | 145            | 26         | 4             | M24       | 28        |
| 65         | 220       | 170            | 26         | 8             | M24       | 30        |
| 80         | 230       | 180            | 26         | 8             | M24       | 32        |
| 100        | 265       | 210            | 30         | 8             | M27       | 36        |
| 125        | 315       | 250            | 33         | 8             | M30       | 40        |
| 150        | 355       | 290            | 33         | 12            | M30       | 44        |
| 200        | 430       | 360            | 36         | 12            | M33       | 52        |
| 250        | 505       | 430            | 39         | 12            | M36x3     | 60        |
| 300        | 585       | 500            | 42         | 16            | M39x3     | 68        |
| 350        | 655       | 560            | 48         | 16            | M45x3     | 74        |
| 400        | 715       | 620            | 48         | 16            | M45x3     | 82        |

PN160 钢制管法兰盖 Steel pipe flange cover

| 公称尺寸<br>DN | 法兰外径<br>D | 螺栓孔中心圆 直径<br>K | 螺栓孔直径<br>L | 螺栓孔数量<br>n(个) | 螺 栓<br>Th | 法兰厚度<br>C |
|------------|-----------|----------------|------------|---------------|-----------|-----------|
| 10         | 100       | 70             | 14         | 4             | M12       | 24        |
| 15         | 105       | 75             | 14         | 4             | M12       | 26        |
| 20         | 130       | 90             | 18         | 4             | M16       | 30        |
| 25         | 140       | 100            | 18         | 4             | M16       | 32        |
| 32         | 155       | 110            | 22         | 4             | M20       | 34        |
| 40         | 170       | 125            | 22         | 4             | M20       | 36        |
| 50         | 195       | 145            | 26         | 4             | M24       | 38        |
| 65         | 220       | 170            | 26         | 8             | M24       | 42        |
| 80         | 230       | 180            | 26         | 8             | M24       | 46        |
| 100        | 265       | 210            | 30         | 8             | M27       | 52        |
| 125        | 315       | 250            | 33         | 8             | M30       | 56        |
| 150        | 355       | 290            | 33         | 12            | M30       | 62        |
| 200        | 430       | 360            | 36         | 12            | M33       | 66        |
| 250        | 515       | 430            | 42         | 12            | M39x3     | 76        |
| 300        | 585       | 500            | 42         | 16            | M39x3     | 88        |

## SIZE TOLERANCE 尺寸公差

### HG/T20592-2009

法兰的尺寸公差 Dimensional tolerances for flanges

| 项 目                  | 法兰型式              | 尺寸范围             | 尺寸公差                                    |
|----------------------|-------------------|------------------|-----------------------------------------|
| 法兰厚度C                | 双面加工的所有型式法兰（包括镗孔） | $C \leq 18$      | $\pm 1.0$                               |
|                      |                   | $18 < C \leq 50$ | $\pm 1.5$                               |
|                      |                   | $C > 50$         | $\pm 2.0$                               |
| 法兰厚度H                | 带颈法兰对焊环           | $\leq DN80$      | $\pm 1.5$                               |
|                      |                   | DN100~DN250      | $\pm 2.0$                               |
|                      |                   | $\geq DN300$     | $\pm 3.0$                               |
| 法兰颈部大端直径N            | 带颈对焊法兰整体法兰        | $\leq DN50$      | $\begin{matrix} 0 \\ -2 \end{matrix}$   |
|                      |                   | DN65~DN150       | $\begin{matrix} 0 \\ -4 \end{matrix}$   |
|                      |                   | DN200~DN300      | $\begin{matrix} 0 \\ -6 \end{matrix}$   |
|                      |                   | DN350~DN600      | $\begin{matrix} 0 \\ -8 \end{matrix}$   |
|                      |                   | $\geq DN700$     | $\begin{matrix} 0 \\ -10 \end{matrix}$  |
|                      |                   | $\leq DN50$      | $\begin{matrix} +1.0 \\ 0 \end{matrix}$ |
|                      |                   | DN65~DN150       | $\begin{matrix} +2.0 \\ 0 \end{matrix}$ |
|                      |                   | DN200~DN300      | $\begin{matrix} +4.0 \\ 0 \end{matrix}$ |
|                      |                   | DN350~DN600      | $\begin{matrix} +8.0 \\ 0 \end{matrix}$ |
|                      |                   | $\leq DN125$     | $\begin{matrix} +3.0 \\ 0 \end{matrix}$ |
| 对焊法兰或对焊环<br>焊端外径A或A1 | 带颈对焊法兰对焊环         | DN150~DN1200     | $\begin{matrix} +4.5 \\ 0 \end{matrix}$ |
|                      |                   | $\geq DN1300$    | $\begin{matrix} +6.0 \\ 0 \end{matrix}$ |
|                      |                   | $\leq DN100$     | $\begin{matrix} +0.5 \\ 0 \end{matrix}$ |
| 法兰内径和承插孔<br>内径B1、B2  | 所有型式              | DN125~DN400      | $\begin{matrix} +1.0 \\ 0 \end{matrix}$ |
|                      |                   | DN450~DN600      | $\begin{matrix} +1.5 \\ 0 \end{matrix}$ |
|                      |                   | $\geq DN700$     | $\begin{matrix} +3.0 \\ 0 \end{matrix}$ |
|                      |                   | $\leq DN250$     | $\pm 4.0$                               |
| 法兰外径D                | 整体法兰              | DN300~DN500      | $\pm 5.0$                               |
|                      |                   | DN600~DN800      | $\pm 6.0$                               |
|                      |                   | DN900~DN1200     | $\pm 7.0$                               |
|                      |                   | DN1400~DN1600    | $\pm 8.0$                               |
|                      |                   | $> DN1600$       | $\pm 10.0$                              |
|                      |                   | $\leq DN150$     | $\pm 2.0$                               |
|                      | 所有型式              | DN200~DN500      | $\pm 3.0$                               |
|                      |                   | DN600~DN1200     | $\pm 5.0$                               |
|                      |                   | DN1400~DN1800    | $\pm 7.0$                               |
|                      |                   | $> DN1800$       | $\pm 10.0$                              |



| 项 目                                         |     | 法兰型式           | 尺寸范围         | 尺寸公差                 |
|---------------------------------------------|-----|----------------|--------------|----------------------|
| 法兰突台外径d(环连接面除外)                             |     | 所有型式           | ≤DN250       | +2.0<br>-1.0         |
|                                             |     |                | > DN250      | +3.0<br>-1.0         |
| 法兰突台高度f <sub>1</sub> （环连接面除外)               |     | 所有型式           | 2            | 0<br>-1.0            |
| 环连接面法兰突台高度E                                 |     | 所有型式           | -            | ±1.0                 |
| 凹面/凸面和榫面/槽面高度f <sub>2</sub> 、f <sub>3</sub> |     | 所有型式           | -            | +0.5<br>0            |
| 凹面/凸面和榫面/槽面直径                               | X、Z | 所有型式           | -            | 0<br>-0.5            |
|                                             | W、Y |                |              | +0.5<br>0            |
| 螺栓孔中心圆直径K                                   |     | 所有型式           | ≤M24         | ±1.0                 |
|                                             |     |                | > M24        | ±1.5                 |
| 相领两螺栓孔间距                                    |     | 所有型式           | ≤M24         | ±1.0                 |
|                                             |     |                | > M24        | ±1.5                 |
| 螺栓孔直径L                                      |     | 所有型式           |              | ±0.5                 |
| 螺栓孔中心圆与加工密封面的同轴度偏差                          |     | 所有型式           | ≤DN100       | 1.0                  |
|                                             |     |                | ≥DN125       | 2.0                  |
| 密封于螺栓去承面的平行度                                |     | 所有型式           |              | 1°                   |
| 颈度厚度S                                       |     | 带颈对焊法兰<br>整体法兰 | ≤DN80        | +1.0<br>0            |
|                                             |     |                | DN100~DN400  | +1.5<br>0            |
|                                             |     |                | DN450~DN600  | +2.0<br>0            |
|                                             |     |                | DN700~DN1000 | +3.0<br>0            |
|                                             |     |                | ≥DN1200      | +4.0<br>0            |
| 对焊环焊端以及翻边壁厚                                 |     | 对焊环            |              | +1.6<br>-12.5%钢管名义厚度 |

环连接面的尺寸公差 Dimensional tolerances for ring joint surfaces

| 项 目                  |                      | 尺寸公差      |
|----------------------|----------------------|-----------|
| 环槽深度E                |                      | +0.4<br>0 |
| 环槽顶宽度F               |                      | ±0.2      |
| 环槽中心圆直径P             |                      | ±0.13     |
| 环槽角度23°              |                      | ±0.5°     |
| 环槽圆度R <sub>max</sub> | R <sub>max</sub> ≤2  | +0.8<br>0 |
|                      | R <sub>max</sub> > 2 | ±0.8      |
| 密封面外径d               |                      | ±0.5      |

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