

# Production Quality control

生产/品管



品质管理指以质量为中心，以全员参与为基础，目的在于通过让客户满意而达到长期成功的管理途径。企业只有得到买方的同意，才能获得一定的利益。为此不能欠缺，必不可少的生产、销售的技术，确保产品质量的技术等，正确经济的制造出满足顾客产品质量要求的管理体系。

The quality management refers to the management approach which is based on the quality as the center and is based on the full participation of the whole staff, with the aim of achieving the long-term successful management through the satisfaction of the customers. Only by the agreement of the buyer, the enterprise can gain a certain benefit. For this reason, the technology of production and sales, and the technology of ensuring the quality of products, etc., are indispensable, and the management system that meets the requirements of the customerundefineds product quality is manufactured correctly and economically.





# Quality Assurance

品质保障



ruihongco@yeah.net

公司拥有技术研发中心和高端加工设备，在严格完善的质量控制管理体系的框架下，通过精良的数控设备，成熟的工艺流程和精湛的加工工艺，确保每一件产品的稳定性和可靠性！

The company has the technology R & D center and high-end processing equipment, and under the framework of the strict and perfect quality control management system, the company ensures the stability and reliability of each product through the sophisticated numerical control equipment, the mature process flow and the exquisite processing technology.



ruihongco@yeah.net



Our  
Products  
我们的产品



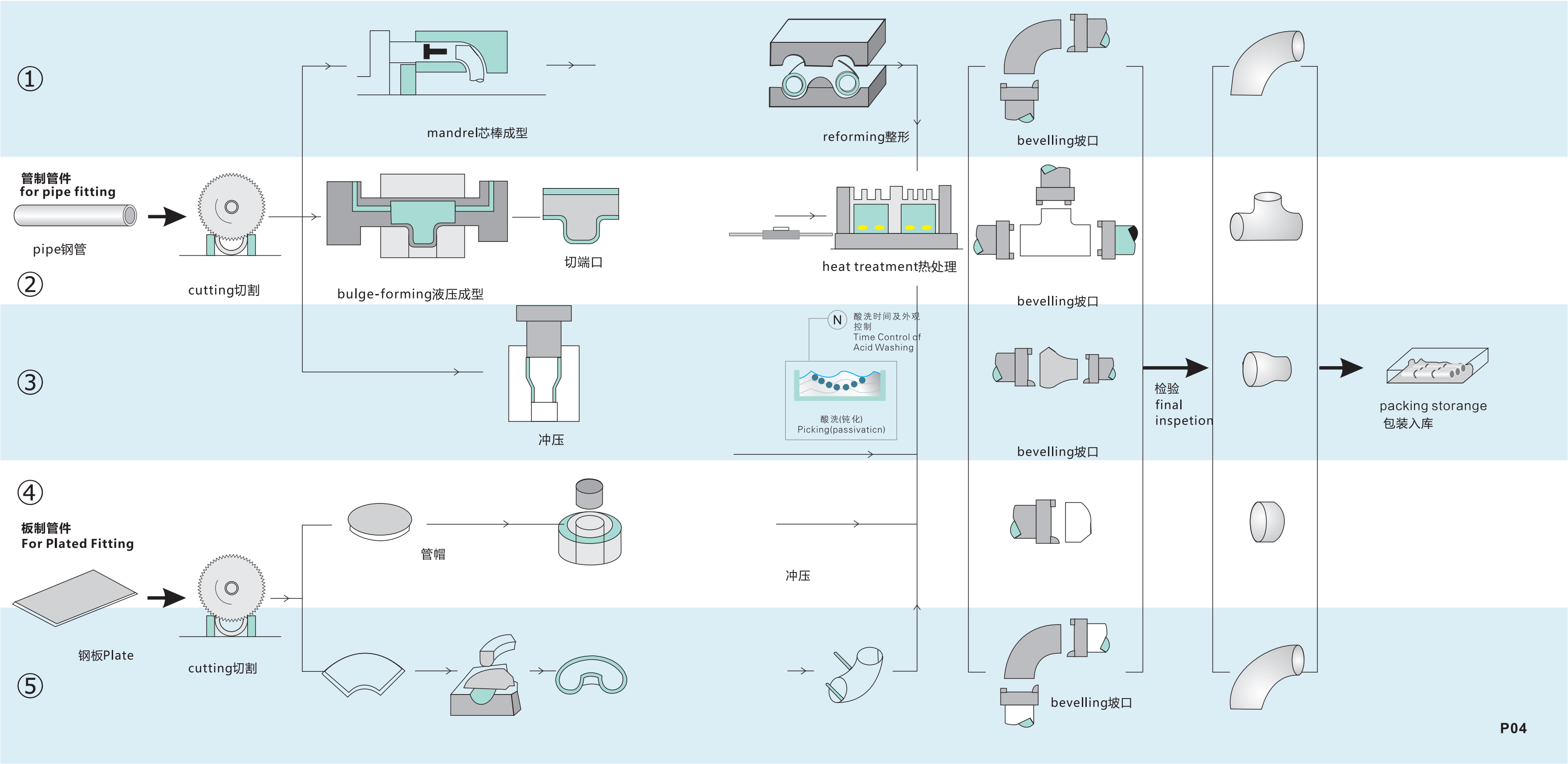
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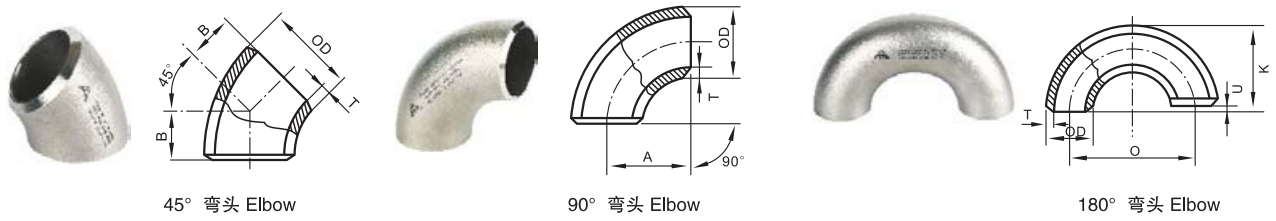


工艺流程图  
 Flow Chart

- ① 弯头Elbows  
 ② 三通Tees  
 ③ 异径管Reducers  
 ④ 管帽 Caps  
 ⑤ 弯头、三通Elbows /Tees







| 公称通径<br>Nominal diameter |     | 外径<br>Outside<br>diamete | 中心至端面的距离<br>Center to end |     | 中心至中<br>心的距离<br>Center to<br>Center | 90° L/R弯头理论重量kg/pc<br>90° L/R Elbow Approx weight |                         |                         |                         |                         |                         |
|--------------------------|-----|--------------------------|---------------------------|-----|-------------------------------------|---------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| DN                       | NPS | OD                       | B                         | A   | ○                                   | sch5S                                             | sch10S                  | sch20S/<br>LG           | sch40S/<br>STD          | sch80S/<br>XS           | sch80                   |
| 15                       | ½   | 18<br>21.3               | 16                        | 38  | 76                                  | 0.04<br>0.05                                      | 0.05<br>0.06            | 0.06<br>0.07            | 0.06<br>0.08            | 0.08<br>0.10            | 0.08<br>0.10            |
| 20                       | ¾   | 25<br>26.7               | 19                        | 38  | 76                                  | 0.06<br>0.06                                      | 0.07<br>0.08            | 0.09<br>0.09            | 0.09<br>0.10            | 0.12<br>0.13            | 0.12<br>0.13            |
| 25                       | 1   | 32<br>33.4               | 22                        | 38  | 76                                  | 0.07<br>0.08                                      | 0.12<br>0.13            | 0.14<br>0.14            | 0.14<br>0.15            | 0.19<br>0.19            | 0.19<br>0.19            |
| 32                       | 1¼  | 38<br>42.2               | 25                        | 48  | 96                                  | 0.11<br>0.13                                      | 0.18<br>0.20            | 0.21<br>0.23            | 0.23<br>0.26            | 0.30<br>0.34            | 0.30<br>0.34            |
| 40                       | 1½  | 45<br>48.3               | 29                        | 57  | 114                                 | 0.16<br>0.17                                      | 0.26<br>0.28            | 0.30<br>0.32            | 0.34<br>0.37            | 0.45<br>0.49            | 0.45<br>0.49            |
| 50                       | 2   | 57<br>60.3               | 35                        | 76  | 152                                 | 0.27<br>0.29                                      | 0.45<br>0.47            | 0.57<br>0.61            | 0.62<br>0.65            | 0.85<br>0.90            | 0.85<br>0.90            |
| 65                       | 2½  | 76<br>73                 | 44                        | 95  | 190                                 | 0.58<br>0.55                                      | 0.82<br>0.79            | 0.97<br>0.93            | 1.35<br>1.30            | 1.79<br>1.71            | 1.79<br>1.71            |
| 80                       | 3   | 89                       | 51                        | 114 | 228                                 | 0.82                                              | 1.17                    | 1.51                    | 2.04                    | 2.76                    | 2.76                    |
| 90                       | 3½  | 101.6                    | 57                        | 133 | 266                                 | 1.09                                              | 1.56                    | 2.03                    | 2.85                    | 3.92                    | 3.92                    |
| 100                      | 4   | 108<br>114               | 64                        | 152 | 304                                 | 1.32<br>1.40                                      | 1.90<br>2.01            | 2.47<br>2.61            | 3.64<br>3.85            | 5.05<br>5.35            | 5.05<br>5.35            |
| 125                      | 5   | 133<br>141.3<br>139.7    | 79                        | 190 | 380                                 | 2.67<br>2.84<br>2.81                              | 3.27<br>3.47<br>3.43    | 4.74<br>5.05<br>4.99    | 6.14<br>6.54<br>6.46    | 8.72<br>9.31<br>9.19    | 8.72<br>9.31<br>9.19    |
| 150                      | 6   | 168.3<br>159<br>165      | 95                        | 229 | 458                                 | 4.10<br>3.86<br>4.01                              | 5.01<br>4.72<br>4.91    | 7.29<br>6.88<br>7.14    | 10.24<br>9.64<br>10.03  | 15.41<br>14.50<br>15.09 | 15.41<br>14.50<br>15.09 |
| 200                      | 8   | 219<br>216               | 127                       | 305 | 610                                 | 7.12<br>7.03                                      | 9.63<br>9.49            | 15.94<br>15.71          | 20.51<br>20.22          | 31.17<br>30.71          | 31.17<br>30.71          |
| 250                      | 10  | 273<br>267.4             | 159                       | 381 | 762                                 | 13.62<br>13.34                                    | 16.74<br>16.39          | 24.97<br>24.44          | 36.33<br>35.56          | 49.12<br>48.06          | 57.83<br>56.57          |
| 300                      | 12  | 325<br>323.9<br>318      | 190                       | 457 | 914                                 | 22.66<br>22.58<br>22.16                           | 26.10<br>26.01<br>25.53 | 35.79<br>35.66<br>35.00 | 53.58<br>53.40<br>52.39 | 70.69<br>70.44<br>49.11 | 95.81<br>95.46<br>93.63 |

45° 90° 180°长半径弯头  
Long Radius Elbows (45° 90° 180° )

上述尺寸符合 GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。  
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on manufacture' sdata,according to GB/T 12459,  
GB/T 13401.)

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and  
stainless steel tubes



45° 90° 180°长半径弯头  
Long Radius Elbows (45° 90° 180° )

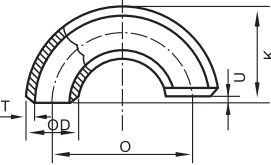
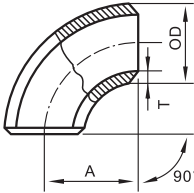
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| 公称通径<br>Nominal diameter |     | 外径<br>Outside diamete | 中心至端面的距离<br>Center to end |      | 中心至中<br>心的距离<br>Center to Center | 90° L/R弯头理论重量kg/pc<br>90°L/R Elbow Approx weight |                  |                  |                  |                  |                  |
|--------------------------|-----|-----------------------|---------------------------|------|----------------------------------|--------------------------------------------------|------------------|------------------|------------------|------------------|------------------|
| DN                       | NPS | OD                    | B                         | A    | ○                                | sch5S                                            | sch10S           | sch20S/<br>LG    | sch40S/<br>STD   | sch80S/<br>XS    | sch80            |
| 350                      | 14  | 377<br>355.6          | 222                       | 533  | 1066                             | 30.71<br>28.95                                   | 36.98<br>34.86   | 61.36<br>57.80   | 72.80<br>68.56   | 96.17<br>90.52   | 141.75<br>133.27 |
| 400                      | 16  | 426<br>406.4          | 254                       | 610  | 1220                             | 42.05<br>40.09                                   | 47.90<br>45.67   | 79.55<br>75.82   | 94.42<br>89.98   | 124.87<br>118.95 | 206.35<br>196.35 |
| 450                      | 18  | 478<br>457.2          | 286                       | 686  | 1372                             | 53.11<br>5078                                    | 60.52<br>57.86   | 100.60<br>96.14  | 199.44<br>114.14 | 158.10<br>151.03 | 296.35<br>276.29 |
| 500                      | 20  | 529<br>508            | 318                       | 762  | 1524                             | 74.47<br>71.48                                   | 86.18<br>82.72   | 123.86<br>118.87 | 147.12<br>141.14 | 194.86<br>186.94 | 391.34<br>375.00 |
| 550                      | 22  | 559                   | 343                       | 838  | 1676                             | 86.58                                            | 100.21           | 144.06           | 171.14           | 226.75           | 495.44           |
| 600                      | 24  | 630<br>610            | 381                       | 914  | 1828                             | 123.32<br>119.37                                 | 141.21<br>136.64 | 177.37<br>171.67 | 210.78<br>203.98 | 279.45<br>270.40 | 661.10<br>-      |
| 650                      | 26  | 660                   | 406                       | 991  | 1982                             | -                                                | -                | 201.59           | 239.58           | 317.72           | -                |
| 700                      | 28  | 720<br>711            | 438                       | 1067 | 2134                             | -                                                | -                | 237.03<br>234.03 | 281.75<br>278.18 | 373.80<br>369.04 | -                |
| 750                      | 30  | 762                   | 470                       | 1143 | 2286                             | 213.90                                           | 266.23           | 268.89           | 319.66           | 424.20           | -                |
| 800                      | 32  | 820<br>813            | 502                       | 1219 | 2438                             | -                                                | -                | 308.83<br>306.16 | 367.20<br>364.02 | 487.42<br>483.20 | -                |
| 850                      | 34  | 864                   | 533                       | 1295 | 2590                             | -                                                | -                | 345.86           | 411.27           | 546.04           | -                |
| 900                      | 36  | 920<br>914            | 565                       | 1372 | 2744                             | -                                                | -                | 390.39<br>387.83 | 464.28<br>461.22 | 616.56<br>612.48 | -                |
| 950                      | 38  | 965                   | 600                       | 1448 | 2896                             | -                                                | -                | 432.25           | 514.21           | 682.98           | -                |
| 1000                     | 40  | 1016<br>1020          | 632                       | 1524 | 3048                             | -                                                | -                | 479.29<br>481.19 | 570.09<br>572.35 | 757.33<br>760.35 | -                |
| 1050                     | 42  | 1067                  | 660                       | 1600 | 3200                             | -                                                | -                | 528.65           | 628.85           | 835.51           | -                |
| 1100                     | 44  | 1118<br>1120          | 695                       | 1676 | 3352                             | -                                                | -                | 580.43<br>581.48 | 690.49<br>691.73 | 917.53<br>919.19 | -                |
| 1150                     | 46  | 1168                  | 727                       | 1753 | 3506                             | -                                                | -                | 634.45           | 754.79           | 1003.10          | -                |
| 1200                     | 48  | 1220                  | 759                       | 1829 | 3658                             | -                                                | -                | 691.63           | 822.85           | 1093.70          | -                |



90° 弯头 Elbow

180° 弯头 Elbow

| 公称通径<br>Nominal diameter |                               | 外径<br>Outside diamete | 中心至端面<br>的距离<br>Center to end | 中心至中心<br>的距离<br>Center to Center | 90° L/R弯头理论重量kg/pc<br>90°L/R Elbow Approx weight |                      |                      |                      |                        |                        |
|--------------------------|-------------------------------|-----------------------|-------------------------------|----------------------------------|--------------------------------------------------|----------------------|----------------------|----------------------|------------------------|------------------------|
| DN                       | NPS                           | OD                    | A                             | ○                                | sch5S                                            | sch10S               | sch20S/<br>LG        | sch40S/<br>STD       | sch80S/<br>XS          | sch80                  |
| 25                       | 1                             | 32<br>33.4            | 25                            | 50                               | 0.05<br>0.05                                     | 0.08<br>0.08         | 0.09<br>0.09         | 0.09<br>0.10         | 0.12<br>0.13           | 0.12<br>0.13           |
| 32                       | 1 <sup>1</sup> / <sub>4</sub> | 38<br>42.2            | 32                            | 64                               | 0.07<br>0.08                                     | 0.12<br>0.14         | 0.14<br>0.16         | 0.15<br>0.17         | 0.20<br>0.23           | 0.20<br>0.23           |
| 40                       | 1 <sup>1</sup> / <sub>2</sub> | 45<br>48.3            | 38                            | 76                               | 0.11<br>0.11                                     | 0.17<br>0.19         | 0.20<br>0.21         | 0.23<br>0.24         | 0.30<br>0.33           | 0.30<br>0.33           |
| 50                       | 2                             | 57<br>60.3            | 51                            | 102                              | 0.18<br>0.19                                     | 0.30<br>0.32         | 0.38<br>0.41         | 0.41<br>0.44         | 0.57<br>0.60           | 0.57<br>0.60           |
| 65                       | 2 <sup>1</sup> / <sub>2</sub> | 76<br>73              | 64                            | 157                              | 0.39<br>0.37                                     | 0.56<br>0.53         | 0.65<br>0.62         | 0.91<br>0.87         | 1.21<br>1.15           | 1.21<br>1.15           |
| 80                       | 3                             | 89                    | 76                            | 152                              | 0.54                                             | 0.78                 | 1.01                 | 1.36                 | 1.84                   | 1.84                   |
| 90                       | 3 <sup>1</sup> / <sub>2</sub> | 101.6                 | 89                            | 178                              | 0.73                                             | 1.04                 | 1.36                 | 1.91                 | 2.62                   | 2.62                   |
| 100                      | 4                             | 108<br>114            | 102                           | 204                              | 0.89<br>0.94                                     | 1.27<br>1.35         | 1.65<br>1.75         | 2.44<br>2.59         | 3.39<br>3.59           | 3.39<br>3.59           |
| 125                      | 5                             | 133<br>141.3<br>139.7 | 127                           | 254                              | 1.79<br>1.90<br>1.88                             | 2.18<br>2.32<br>2.30 | 3.17<br>3.38<br>3.34 | 4.10<br>4.37<br>4.32 | 5.83<br>6.22<br>6.14   | 5.83<br>6.22<br>6.14   |
| 150                      | 6                             | 168.3<br>159<br>165   | 152                           | 304                              | 2.72<br>2.57<br>2.66                             | 3.32<br>3.14<br>3.26 | 4.84<br>4.56<br>4.74 | 6.79<br>6.40<br>6.65 | 10.23<br>9.63<br>10.02 | 10.23<br>9.63<br>10.02 |
| 200                      | 18                            | 219<br>216            | 203                           | 406                              | 4.74<br>4.68                                     | 6.41<br>6.32         | 10.61<br>10.46       | 13.65<br>13.46       | 20.74<br>20.44         | 20.74<br>20.44         |
| 250                      | 10                            | 273<br>267.4          | 254                           | 508                              | 9.08<br>8.89                                     | 11.16<br>10.92       | 16.64<br>16.29       | 24.22<br>23.70       | 32.75<br>32.04         | 38.55<br>37.72         |

90° 180°长半径弯头  
Short Radius Elbows (90° 180° )

上述尺寸符合 GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。  
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Short Radius Elbows (90° 180° )

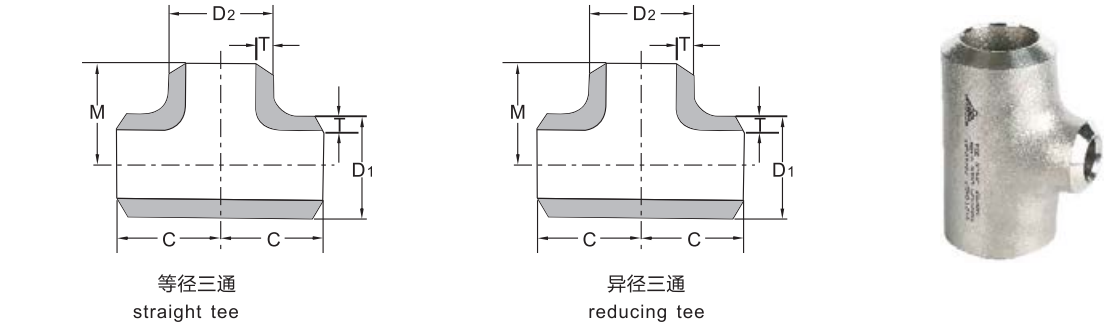
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stainless steel pipe fittings, stainless steel flanges and  
stainless steel tubes

| 公称通径<br>Nominal diameter |     | 外径<br>Outside diamete | 中心至端面<br>的距离<br>Center to end | 中心至中心<br>的距离<br>Center to Center | 90° L/R弯头理论重量kg/pc<br>90° L/R Elbow Approx weight |                         |                         |                         |                         |                         |
|--------------------------|-----|-----------------------|-------------------------------|----------------------------------|---------------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| DN                       | NPS | OD                    | A                             | ○                                | sch5S                                             | sch10S                  | sch20S/<br>LG           | sch40S/<br>STD          | sch80S/<br>XS           | sch80                   |
| 300                      | 12  | 325<br>323.9<br>318   | 305                           | 610                              | 15.12<br>15.07<br>14.79                           | 17.42<br>17.36<br>17.04 | 23.88<br>23.80<br>23.36 | 35.76<br>35.64<br>34.97 | 47.18<br>47.01<br>46.12 | 63.94<br>93.71<br>62.49 |
| 350                      | 14  | 377<br>355.6          | 356                           | 712                              | 20.51<br>19.33                                    | 24.70<br>23.28          | 40.99<br>38.61          | 48.62<br>45.79          | 64.24<br>60.46          | 94.67<br>89.01          |
| 400                      | 16  | 426<br>406.4          | 406                           | 812                              | 27.98<br>26.68                                    | 31.88<br>30.40          | 52.95<br>50.47          | 62.84<br>59.89          | 83.11<br>79.17          | 137.34<br>130.69        |
| 450                      | 18  | 478<br>457.2          | 457                           | 914                              | 35.38<br>33.38                                    | 40.32<br>38.54          | 67.01<br>64.05          | 79.57<br>76.04          | 105.32<br>100.61        | 192.90<br>184.06        |
| 500                      | 20  | 529<br>508            | 508                           | 1016                             | 49.64<br>47.66                                    | 57.45<br>55.15          | 82.58<br>79.25          | 98.08<br>94.12          | 129.91<br>124.62        | 260.90<br>250.00        |
| 550                      | 22  | 559                   | 559                           | 1118                             | 57.75                                             | 66.85                   | 93.10                   | 114.16                  | 151.26                  | 330.49<br>441.22        |
| 600                      | 24  | 630<br>610            | 610                           | 1220                             | 82.30<br>79.67                                    | 94.21<br>91.19          | 118.38<br>114.57        | 140.67<br>136.14        | 186.51<br>180.46        | —<br>—                  |
| 650                      | 26  | 660                   | 660                           | 1320                             | —                                                 | —                       | 134.26                  | 159.56                  | 211.60                  | —                       |
| 700                      | 28  | 720<br>711            | 711                           | 1422                             | —<br>—                                            | —<br>—                  | 157.94<br>155.95        | 187.75<br>175.37        | 249.08<br>245.91        | —<br>—                  |
| 750                      | 30  | 762                   | 762                           | 1524                             | 142.60                                            | 177.49                  | 179.26                  | 213.11                  | 282.80                  | —                       |
| 800                      | 32  | 820<br>813            | 813                           | 1626                             | —<br>—                                            | —<br>—                  | 205.97<br>204.19        | 244.90<br>242.78        | 325.08<br>322.26        | —<br>—                  |
| 850                      | 34  | 864                   | 864                           | 1728                             | —                                                 | —                       | 230.75                  | 274.39                  | 364.30                  | —                       |
| 900                      | 36  | 920<br>914            | 914                           | 1828                             | —<br>—                                            | —<br>—                  | 260.07<br>258.36        | 309.29<br>307.25        | 410.74<br>408.02        | —<br>—                  |
| 950                      | 38  | 956                   | 965                           | 1930                             | —                                                 | —                       | 288.13                  | 342.69                  | 455.17                  | —                       |
| 1000                     | 40  | 1016<br>1020          | 1016                          | 2032                             | —<br>—                                            | —<br>—                  | 319.53<br>320.80        | 380.06<br>381.57        | 504.89<br>506.90        | —<br>—                  |
| 1050                     | 42  | 1067                  | 1067                          | 2134                             | —                                                 | —                       | 352.55                  | 419.36                  | 557.18                  | —                       |
| 1100                     | 44  | 1118<br>1120          | 1118                          | 2236                             | —<br>—                                            | —<br>—                  | 387.19<br>387.88        | 460.60<br>461.43        | 612.05<br>613.16        | —<br>—                  |
| 1150                     | 46  | 1168                  | 1168                          | 2336                             | —                                                 | —                       | 422.72                  | 502.90                  | 668.35                  | —                       |
| 1200                     | 48  | 1220                  | 1220                          | 2440                             | —                                                 | —                       | 461.34                  | 548.87                  | 729.53                  | —                       |



| 公称通径<br>Nominal diameter |               | 外径<br>Outside diameter | 中心至端面的距离<br>Center to end |    | 理论重量kg/pc<br>Approx weight |              |                |              |               |              |
|--------------------------|---------------|------------------------|---------------------------|----|----------------------------|--------------|----------------|--------------|---------------|--------------|
| DN                       | NPS           | D1XD2                  | C                         | M  | sch5S                      | sch10S       | sch40S/<br>STD | sch40        | sch80S/<br>XS | sch80        |
| 20x20                    | 3/4 x 3/4     | 25x25<br>26.7x26.7     | 29                        | 29 | 0.07<br>0.08               | 0.10<br>0.11 | 0.13<br>0.15   | 0.13<br>0.15 | 0.16<br>0.18  | 0.16<br>0.18 |
| 20x15                    | 3/4 x 1/2     | 25x18<br>26.7x21.3     | 29                        | 29 | 0.06<br>0.07               | 0.09<br>0.10 | 0.12<br>0.13   | 0.12<br>0.13 | 0.15<br>0.16  | 0.15<br>0.16 |
| 25x25                    | 1x1           | 32x32<br>33.4 x 33.4   | 38                        | 38 | 0.11<br>0.12               | 0.19<br>0.20 | 0.23<br>0.25   | 0.23<br>0.25 | 0.30<br>0.32  | 0.30<br>0.32 |
| 25x20                    | 1x3/4         | 32x25<br>33.4 x 26.7   | 38                        | 38 | 0.10<br>0.11               | 0.18<br>0.19 | 0.22<br>0.24   | 0.22<br>0.24 | 0.28<br>0.31  | 0.28<br>0.31 |
| 25x15                    | 1x1/2         | 32x18<br>33.4x21.3     | 38                        | 38 | 0.09<br>0.10               | 0.17<br>0.18 | 0.21<br>0.23   | 0.21<br>0.23 | 0.27<br>0.30  | 0.27<br>0.30 |
| 32x32                    | 1.1/4x 1.1/4  | 38x38<br>42.2x42.2     | 48                        | 48 | 0.19<br>0.20               | 0.36<br>0.39 | 0.42<br>0.52   | 0.42<br>0.52 | 0.63<br>0.73  | 0.63<br>0.73 |
| 32x25                    | 1.1/4 x1      | 38x32<br>42.2 x 33.4   | 48                        | 48 | 0.18<br>0.19               | 0.33<br>0.35 | 0.40<br>0.42   | 0.40<br>0.42 | 0.58<br>0.68  | 0.58<br>0.68 |
| 32x20                    | 1.1/4 x 3/4   | 38x25<br>42.2 x 26.7   | 48                        | 48 | 0.17<br>0.18               | 0.31<br>0.32 | 0.38<br>0.40   | 0.38<br>0.40 | 0.55<br>0.65  | 0.55<br>0.65 |
| 32x15                    | 1.1/4x1/2     | 38x18<br>42.2x21.3     | 48                        | 48 | 0.16<br>0.17               | 0.30<br>0.31 | 0.36<br>0.38   | 0.36<br>0.38 | 0.52<br>0.62  | 0.52<br>0.62 |
| 40x40                    | 1.1/2 x 1.1/2 | 45x45<br>48.3x48.3     | 57                        | 57 | 0.35<br>0.45               | 0.59<br>0.69 | 0.78<br>0.88   | 0.78<br>0.88 | 1.08<br>1.18  | 1.08<br>1.18 |
| 40x32                    | 1.1/2x1.1/4   | 45x38<br>48.3x42.2     | 57                        | 57 | 0.32<br>0.42               | 0.54<br>0.65 | 0.72<br>0.82   | 0.72<br>0.82 | 0.99<br>1.09  | 0.99<br>1.09 |
| 40x25                    | 1.1/2 x1      | 45x32<br>48.3x33.4     | 57                        | 57 | 0.27<br>0.37               | 0.45<br>0.65 | 0.60<br>0.80   | 0.60<br>0.80 | 0.83<br>1.08  | 0.83<br>1.08 |
| 40x20                    | 1.1/2 x 3/4   | 45x25<br>48.3x26.7     | 57                        | 57 | 0.26<br>0.36               | 0.44<br>0.64 | 0.58<br>0.68   | 0.58<br>0.68 | 0.80<br>1.00  | 0.80<br>1.00 |
| 40x15                    | 1.1/2 x 1/2   | 45x18<br>48.3x21.3     | 57                        | 57 | 0.25<br>0.35               | 0.42<br>0.62 | 0.56<br>0.66   | 0.56<br>0.66 | 0.78<br>0.78  | 0.78<br>0.78 |
| 50x50                    | 2x2           | 57x57<br>60.3x60.3     | 64                        | 64 | 0.49<br>0.50               | 1.03<br>1.05 | 1.15<br>1.18   | 1.15<br>1.18 | 1.65<br>1.67  | 1.65<br>1.67 |
| 50x40                    | 2 x 1.1/2     | 57x45<br>60.3x48.3     | 64                        | 60 | 0.44<br>0.45               | 0.93<br>0.95 | 1.04<br>1.06   | 1.04<br>1.06 | 1.48<br>1.50  | 1.48<br>1.50 |
| 50x32                    | 2 x 1.1/4     | 57x38<br>60.3x42.2     | 64                        | 57 | 0.40<br>0.43               | 0.81<br>0.89 | 0.98<br>1.00   | 0.98<br>1.00 | 1.37<br>1.42  | 1.37<br>1.42 |
| 50x25                    | 2x1           | 57x32<br>60.3 x 33.4   | 64                        | 51 | 0.39<br>0.40               | 0.72<br>0.84 | 0.92<br>0.94   | 0.92<br>0.94 | 1.31<br>1.34  | 1.31<br>1.34 |
| 50x20                    | 2x3/4         | 57x25<br>60.3 x 26.7   | 64                        | 44 | 0.37<br>0.38               | 0.70<br>0.80 | 0.87<br>0.90   | 0.87<br>0.90 | 1.24<br>1.27  | 1.24<br>1.27 |

三通 ( 等径、异径 )  
Tees(straight and reducing)

上述尺寸符合 GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。

Above dimensions acc. to GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

理论重量按ANSI B16.19标准壁厚测算  
Weights are approximate and  
based on manufactur's data,  
according to ANSI B16.19

We can provide:  
Stainless steel (304. 304L. 304H. 316. 316L, 316Ti. 316H. 321. 321H.347/H. 310S. 317L. 904L. S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205. S32750/2507. S32760) Special Alloy (N04400/400. N06625/625. N08825/825. N10276VC276. 800/800H. 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and  
stainless steel tubes



三通 ( 等径、异径 )  
Tees(straight and reducing)

上述尺寸符合 GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4  
ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。

Above dimensions acc. to GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

理论重量按ANSI B16.19标准壁厚测算  
Weights are approximate and based on manufactur's data, according to ANSI B16.19

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

| 公称通径<br>Nominal diameter |               | 外径<br>Outside diamete    | 中心至端面的距离<br>Center to end |     | 理论重量kg/pc<br>Approx weight |              |                |              |               |              |
|--------------------------|---------------|--------------------------|---------------------------|-----|----------------------------|--------------|----------------|--------------|---------------|--------------|
| DN                       | NPS           | D1XD2                    | C                         | M   | sch5S                      | sch10S       | sch40S/<br>STD | sch40        | sch80S/<br>XS | sch80        |
| 65x65                    | 2.1/2 x 2.1/2 | 76x76<br>73.0 x 73.0     | 76                        | 76  | 0.87<br>0.86               | 1.21<br>1.25 | 2.10<br>2.12   | 2.10<br>2.12 | 2.80<br>2.88  | 2.80<br>2.88 |
| 65x50                    | 2.1/2 x 2     | 76x57<br>73.0 x 60.3     | 76                        | 70  | 0.82<br>0.81               | 1.17<br>1.16 | 2.00<br>1.98   | 2.00<br>1.98 | 2.70<br>2.65  | 2.70<br>2.65 |
| 65x40                    | 2.1/2 x 1.1/2 | 76x45<br>73.0x48.3       | 76                        | 67  | 0.77<br>0.76               | 1.11<br>1.10 | 1.89<br>1.88   | 1.89<br>1.88 | 2.56<br>2.55  | 2.56<br>2.55 |
| 65x32                    | 2.1/2 x 1.1/4 | 76x38<br>73.0 x 42.2     | 76                        | 64  | 0.75<br>0.74               | 1.10<br>1.08 | 1.80<br>1.89   | 1.80<br>1.89 | 2.50<br>2.25  | 2.50<br>2.25 |
| 65x25                    | 2.1/2 x1      | 76x32<br>73.0 x 33.4     | 76                        | 57  | 0.76<br>0.70               | 1.10<br>1.07 | 1.86<br>1.81   | 1.86<br>1.81 | 2.53<br>2.08  | 2.53<br>2.08 |
| 80x80                    | 3x3           | 89x89                    | 86                        | 86  | 1.16                       | 1.68         | 3.02           | 3.02         | 4.19          | 4.19         |
| 80x65                    | 3 x 2.1/2     | 89x76<br>88.9 x 73.0     | 86                        | 83  | 1.11<br>1.10               | 1.62<br>1.60 | 2.89<br>2.87   | 2.89<br>2.87 | 4.02<br>3.98  | 4.02<br>3.98 |
| 80x50                    | 3x2           | 88.9 x 57<br>88.9 x 60.3 | 86                        | 76  | 1.06<br>1.07               | 1.53<br>1.55 | 2.76<br>2.79   | 2.76<br>2.79 | 3.81<br>3.85  | 3.81<br>3.85 |
| 80x40                    | 3x1.1/2       | 88.9x45<br>88.9 x 48.3   | 86                        | 73  | 1.01<br>1.03               | 1.49<br>1.50 | 2.67<br>2.69   | 2.67<br>2.69 | 3.70<br>3.73  | 3.70<br>3.73 |
| 80x32                    | 3x1.1/4       | 89x38<br>88.9x42.2       | 86                        | 70  | 1.00<br>1.00               | 1.48<br>1.45 | 2.65<br>2.60   | 2.65<br>2.60 | 3.68<br>3.60  | 3.68<br>3.60 |
| 90x90                    | 3.1/2 x 3.1/2 | 101.6x101.6              | 95                        | 95  | 1.33                       | 1.92         | 3.61           | 3.61         | 5.08          | 5.08         |
| 90x80                    | 3.1/2 x 3     | 101.6x88.9               | 95                        | 92  | 1.26                       | 1.82         | 3.43           | 3.43         | 4.83          | 4.83         |
| 90x65                    | 3.1/2 x 2.1/2 | 101.6x73.0               | 95                        | 89  | 1.22                       | 1.76         | 3.32           | 3.32         | 4.67          | 4.67         |
| 90x50                    | 3.1/2 x 2     | 101.6x60.3               | 95                        | 83  | 1.20                       | 1.73         | 3.25           | 3.25         | 4.57          | 4.57         |
| 90x40                    | 3.1/2 x 1.1/2 | 101.6x48.3               | 95                        | 79  | 1.17                       | 1.70         | 3.21           | 3.21         | 4.51          | 4.51         |
| 100x100                  | 4x4           | 108x108<br>114.3x114.3   | 105                       | 105 | 1.66<br>1.75               | 2.41<br>2.54 | 4.75<br>5.01   | 4.75<br>5.01 | 6.75<br>7.12  | 6.75<br>7.12 |
| 100x90                   | 4 x 3.1/2     | 114.3x101.6              | 105                       | 102 | 1.70                       | 2.46         | 4.85           | 4.85         | 6.89          | 6.89         |
| 100x80                   | 4x3           | 108x89<br>114.3x88.9     | 105                       | 98  | 1.55<br>1.61               | 2.24<br>2.33 | 4.42<br>4.60   | 4.42<br>4.60 | 6.27<br>6.52  | 6.27<br>6.52 |
| 100x65                   | 4 x 2.1/2     | 108x76<br>114.3x73.0     | 105                       | 95  | 1.53<br>1.60               | 2.21<br>2.31 | 4.36<br>4.56   | 4.36<br>4.56 | 6.50<br>6.50  | 6.50<br>6.50 |
| 100x50                   | 4x2           | 108x57<br>114.3x60.3     | 105                       | 89  | 1.51<br>1.57               | 2.19<br>2.29 | 4.32<br>4.41   | 4.32<br>4.41 | 6.13<br>6.12  | 6.13<br>6.12 |
| 100x40                   | 4x 1.1/2      | 108x45<br>114.3x48.3     | 105                       | 86  | 1.50<br>1.55               | 2.09<br>2.24 | 4.22<br>4.00   | 4.22<br>4.00 | 6.03<br>6.02  | 6.03<br>6.02 |
| 125x125                  | 5x5           | 133x133<br>141.3x141.3   | 124                       | 124 | 3.18<br>3.37               | 3.91<br>4.14 | 7.53<br>7.98   | 7.53<br>7.98 | 10.9<br>11.6  | 10.9<br>11.6 |
| 125x100                  | 5x4           | 133x108<br>141.3x114.3   | 124                       | 117 | 3.03<br>3.15               | 3.73<br>3.90 | 7.20<br>7.52   | 7.20<br>7.52 | 10.4<br>10.8  | 10.4<br>10.8 |

| 公称通径<br>Nominal diameter |           | 外径<br>Outside diamete     | 中心至端面的距离<br>Center to end |     | 理论重量kg/pc<br>Approx weight |              |              |                |               |              |
|--------------------------|-----------|---------------------------|---------------------------|-----|----------------------------|--------------|--------------|----------------|---------------|--------------|
| DN                       | NPS       | D1XD2                     | C                         | M   | sch5S                      | sch10S       | sch40        | sch40S/<br>STD | sch80S/<br>XS | sch80<br>XS  |
| 125x90                   | 5 x 3.1/2 | 141.3x101.6               | 124                       | 114 | 3.09                       | 3.83         | 7.39         | 7.39           | 10.6          | 10.6         |
| 125x80                   | 5x3       | 133x89<br>141.3x88.9      | 124                       | 111 | 2.90<br>3.02               | 3.59<br>3.74 | 6.92<br>7.21 | 6.92<br>7.21   | 10.0<br>10.4  | 10.0<br>10.4 |
| 125x65                   | 5 x 2.1/2 | 133x76<br>141.3x73.0      | 124                       | 108 | 2.85<br>3.00               | 3.59<br>3.73 | 6.92<br>7.20 | 6.92<br>7.20   | 10.0<br>10.4  | 10.0<br>10.4 |
| 125x50                   | 5x2       | 133x57<br>141.3x60.3      | 124                       | 105 | 2.80<br>3.92               | 3.58<br>3.73 | 6.92<br>7.20 | 6.92<br>7.20   | 10.0<br>10.4  | 10.0<br>10.4 |
| 150x150                  | 6x6       | 159x159<br>168.3x168.3    | 143                       | 143 | 4.09<br>4.32               | 5.03<br>5.31 | 10.5<br>11.1 | 10.5<br>11.1   | 16.2<br>17.1  | 16.2<br>17.1 |
| 150x125                  | 6x5       | 159x133<br>168.3x141.3    | 143                       | 137 | 3.84<br>4.13               | 4.73<br>5.08 | 9.88<br>10.6 | 9.88<br>10.6   | 15.2<br>16.3  | 15.2<br>16.3 |
| 150x100                  | 6x4       | 159x108<br>168.3x114.3    | 143                       | 130 | 3.76<br>3.95               | 4.64<br>4.87 | 9.70<br>10.2 | 9.70<br>10.2   | 14.9<br>15.6  | 14.9<br>15.6 |
| 150x90                   | 6 x 3.1/2 | 168.3x101.6               | 143                       | 127 | 3.91                       | 4.82         | 10.1         | 10.1           | 15.5          | 15.5         |
| 150x80                   | 6x3       | 159x89<br>168.3x88.9      | 143                       | 124 | 3.72<br>3.93               | 4.56<br>4.82 | 9.56<br>10.0 | 9.56<br>10.0   | 14.7<br>15.3  | 14.7<br>15.3 |
| 150x65                   | 6 x 2.1/2 | 159x76<br>168.3x73.0      | 143                       | 121 | 3.70<br>3.81               | 4.51<br>4.72 | 9.51<br>10.0 | 9.51<br>10.0   | 14.6<br>15.2  | 14.6<br>15.2 |
| 200 x 200                | 8x8       | 219x219                   | 178                       | 178 | 7.72                       | 10.4         | 22.8         | 22.8           | 35.4          | 35.4         |
| 200x150                  | 8x6       | 219x159<br>219.1 x168.3   | 178                       | 168 | 6.74<br>7.17               | 9.20<br>9.74 | 19.9<br>21.1 | 19.9<br>21.1   | 30.9<br>32.8  | 30.9<br>32.8 |
| 200x125                  | 8x5       | 219x133<br>219.1 x141.3   | 178                       | 162 | 6.61<br>7.03               | 8.98<br>9.55 | 19.5<br>20.7 | 19.5<br>20.7   | 30.2<br>32.2  | 30.2<br>32.2 |
| 200x100                  | 8x4       | 219x108<br>219.1 x114.3   | 178                       | 156 | 6.43<br>6.84               | 8.73<br>9.39 | 19.0<br>19.9 | 20.5<br>20.2   | 29.4<br>31.3  | 29.4<br>31.3 |
| 200 x 90                 | 8 x 3.1/2 | 219.1 x 101.6             | 178                       | 152 | 6.84                       | 9.18         | 19.8         | 20.1           | 31.1          | 31.1         |
| 250 x 250                | 10x10     | 273 x 273                 | 216                       | 216 | 14.6                       | 18.04        | 40.04        | 40.04          | 52.8          | 65.12        |
| 250 x 200                | 10x8      | 273x219                   | 216                       | 203 | 13.3                       | 16.4         | 36.4         | 36.4           | 49.8          | 59.2         |
| 250x150                  | 10x6      | 273x159<br>273.1 x168.3   | 216                       | 194 | 11.4<br>12.1               | 15.0<br>15.0 | 31.4<br>33.4 | 31.4<br>33.4   | 42.7<br>45.4  | 50.7<br>54.0 |
| 250x125                  | 10x5      | 273x133<br>273.1 x141.3   | 216                       | 191 | 11.2<br>11.9               | 14.6<br>14.6 | 30.7<br>32.7 | 30.7<br>32.7   | 41.8<br>44.5  | 49.7<br>52.9 |
| 250x100                  | 10x4      | 273x108<br>273.1 x114.3   | 216                       | 184 | 11.0<br>11.7               | 14.4<br>14.4 | 30.3<br>32.2 | 30.3<br>32.2   | 41.2<br>42.9  | 49.0<br>52.1 |
| 300 x 300                | 12x12     | 325 x 325<br>323.9 x323.9 | 254                       | 254 | 21.5<br>21.5               | 24.8<br>24.8 | 51.8<br>51.8 | 56.1<br>56.0   | 69.0<br>69.0  | 95.0<br>95.0 |
| 300 x 250                | 12x10     | 325 x 273<br>323.9x273.1  | 254                       | 241 | 20.4<br>20.3               | 23.6<br>23.4 | 49.2<br>49.1 | 53.3<br>53.1   | 65.6<br>65.2  | 90.3<br>90.2 |

三通 ( 等径、异径 )  
Tees(straight and reducing)

上述尺寸符合 GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4  
ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。

Above dimensions acc. to GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

理论重量按ANSI B16.19标准壁厚测算  
Weights are approximate and based on manufactur's data, according to ANSI B16.19

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

三通（等径、异径）  
Tees(straight and reducing)

上述尺寸符合 GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4 ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。

Above dimensions acc. to GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

理论重量按ANSI B16.19标准壁厚测算  
Weights are approximate and based on manufactur's data, according to ANSI B16.19

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

| 公称通径<br>Nominal diameter |       | 外径<br>Outside diamete      | 中心至端面的距离<br>Center to end |     | 理论重量kg/pc<br>Approx weight |              |                |              |               |              |
|--------------------------|-------|----------------------------|---------------------------|-----|----------------------------|--------------|----------------|--------------|---------------|--------------|
| DN                       | NPS   | D1XD2                      | C                         | M   | sch5S                      | sch10S       | sch40S/<br>STD | sch40        | sch80S/<br>XS | sch80        |
| 300 x 200                | 12x8  | 325x219<br>323.9x219.1     | 254                       | 229 | 20.2<br>20.0               | 23.3<br>23.1 | 48.4<br>48.2   | 52.4<br>52.2 | 64.4<br>64.2  | 88.6<br>88.4 |
| 300x150                  | 12x6  | 325x159<br>323.9x168.3     | 254                       | 219 | 18.4<br>19.5               | 22.5<br>22.7 | 44.3<br>47.1   | 47.9<br>51.0 | 59.0<br>62.7  | 81.2<br>86.4 |
| 300x125                  | 12x5  | 325x133<br>323.9x141.3     | 254                       | 216 | 18.0<br>19.1               | 20.8<br>22.1 | 43.6<br>46.3   | 47.1<br>50.2 | 57.8<br>61.5  | 79.6<br>84.6 |
| 350 x 350                | 14x14 | 377 x 377<br>355.6 x355.6  | 279                       | 279 | 27.4<br>25.7               | 33.1<br>31.1 | 66.1<br>62.0   | 77.2<br>72.5 | 88.0<br>82.7  | 132<br>124   |
| 350 x 300                | 14x12 | 377 x 325<br>355.6 x 323.9 | 279                       | 270 | 25.8<br>24.2               | 31.1<br>29.2 | 62.1<br>58.3   | 72.5<br>68.2 | 82.7<br>77.7  | 124<br>116   |
| 350 x 250                | 14x10 | 377x273<br>355.6x273.1     | 279                       | 257 | 25.1<br>23.7               | 30.3<br>28.6 | 60.5<br>57.0   | 70.8<br>66.7 | 80.7<br>76.0  | 121<br>114   |
| 350 x 200                | 14x8  | 377x219<br>355.6x219.1     | 279                       | 248 | 24.6<br>23.1               | 29.7<br>27.9 | 59.2<br>55.7   | 69.2<br>65.2 | 78.0<br>74.2  | 118<br>111   |
| 350x150                  | 14x6  | 377x159<br>355.6x168.3     | 279                       | 238 | 24.0<br>22.3               | 29.0<br>27.1 | 57.9<br>54.2   | 67.8<br>64.8 | 77.1<br>77.8  | 115<br>110   |
| 400x400                  | 16x16 | 426 x 426<br>406.4 x406.4  | 305                       | 305 | 33.1<br>31.4               | 38.0<br>36.1 | 75.9<br>72.3   | 101<br>96.4  | 101<br>96.1   | 170<br>162   |
| 400 x 350                | 16x14 | 426 x 377<br>406.4 x355.6  | 305                       | 305 | 32.0<br>30.4               | 36.8<br>34.9 | 73.6<br>70.1   | 98.1<br>93.4 | 97.8<br>92.9  | 179<br>162   |
| 400 x 300                | 16x12 | 426 x 325<br>406.4 x323.9  | 305                       | 295 | 31.0<br>28.2               | 35.6<br>34.4 | 71.4<br>69.1   | 95.2<br>90.8 | 94.7<br>89.2  | 173<br>168   |
| 400 x 250                | 16x10 | 426 x 273<br>406.4x273.1   | 305                       | 283 | 30.2<br>28.7               | 34.7<br>33.0 | 69.9<br>66.6   | 93.1<br>88.7 | 92.5<br>87.8  | 169<br>161   |
| 400 x 200                | 16x8  | 426x219<br>406.4x219.1     | 305                       | 273 | 29.5<br>28.1               | 33.9<br>32.3 | 68.4<br>65.1   | 91.1<br>86.8 | 90.2<br>86.0  | 165<br>157   |
| 400x150                  | 16x6  | 426x159<br>406.4x168.3     | 305                       | 264 | 29.2<br>27.7               | 33.5<br>31.8 | 67.6<br>64.4   | 217<br>206   | 89.2<br>84.8  | 90.1<br>85.8 |
| 450x450                  | 18x18 | 478 x 478<br>457 x457      | 343                       | 343 | 41.9<br>39.8               | 47.8<br>45.5 | 95.3<br>90.7   | 349<br>332   | 127<br>120    | 142<br>136   |
| 450x400                  | 18x16 | 478 x 426<br>457 x406.4    | 343                       | 330 | 41.0<br>39.0               | 46.8<br>44.5 | 93.3<br>88.9   | 342<br>325   | 144<br>118    | 140<br>133   |
| 450 x 350                | 18x14 | 478 x 377<br>406.4 x355.6  | 343                       | 330 | 40.4<br>38.3               | 46.1<br>43.8 | 91.9<br>87.3   | 336<br>320   | 142<br>135    | 137<br>130   |
| 450 x 300                | 18x12 | 478 x 325<br>406.4 x323.9  | 343                       | 321 | 39.8<br>37.3               | 45.4<br>42.6 | 90.6<br>85.0   | 331<br>216   | 140<br>131    | 135<br>127   |
| 450 x 250                | 18x10 | 478 x 273<br>457x273.1     | 343                       | 308 | 39.3<br>37.3               | 44.9<br>42.6 | 89.6<br>85.0   | 228<br>216   | 138<br>131    | 134<br>127   |
| 450 x 200                | 18x18 | 478x219<br>457x219.1       | 343                       | 298 | 38.8<br>36.9               | 44.3<br>42.1 | 89.1<br>84.7   | 225<br>213   | 137<br>130    | 132<br>126   |

| 公称通径<br>Nominal diameter |       | 外径<br>Outside diamete    | 中心至端面的距离<br>Center to end |     | 理论重量kg/pc<br>Approx weight |              |                |            |               |            |
|--------------------------|-------|--------------------------|---------------------------|-----|----------------------------|--------------|----------------|------------|---------------|------------|
| DN                       | NPS   | D1XD2                    | C                         | M   | sch5S                      | sch10S       | sch40S/<br>STD | sch40      | sch80S/<br>XS | sch80      |
| 500 x 500                | 20x20 | 529 x 529<br>508 x508    | 381                       | 381 | 58.9<br>56.3               | 68.2<br>65.3 | 117<br>112     | 469<br>449 | 156<br>149    | 186<br>178 |
| 500 x 450                | 20x18 | 529 x 478<br>508 x 457   | 381                       | 368 | 57.9<br>55.4               | 67.1<br>64.2 | 115<br>110     | 462<br>441 | 154<br>147    | 183<br>175 |
| 500 x 400                | 20x16 | 529 x 426<br>508 x 406.4 | 381                       | 356 | 57.0<br>54.7               | 66.0<br>63.4 | 113<br>109     | 454<br>436 | 151<br>145    | 180<br>173 |
| 500 x 350                | 20x14 | 529 x 377<br>508 x 355.6 | 381                       | 356 | 56.0<br>53.7               | 64.9<br>62.3 | 111<br>107     | 446<br>428 | 148<br>142    | 177<br>170 |
| 500 x 300                | 20x12 | 529 x 325<br>508 x 323.9 | 381                       | 346 | 55.0<br>52.8               | 63.8<br>61.2 | 109<br>105     | 438<br>421 | 146<br>140    | 174<br>167 |
| 500 x 250                | 20x10 | 529 x 273<br>508x273.1   | 381                       | 333 | 54.4<br>52.2               | 63.0<br>60.5 | 108<br>104     | 433<br>416 | 144<br>138    | 172<br>165 |
| 500 x 200                | 20x8  | 529x219<br>508x219.1     | 381                       | 324 | 53.7<br>51.5               | 62.3<br>59.7 | 107<br>102     | 428<br>410 | 142<br>137    | 170<br>163 |
| 550 x 550                | 22x22 | 559 x 559                | 419                       | 419 | 73.5                       | 85.2         | 146            | 635        | 195           | -          |
| 550 x 500                | 22x20 | 559 x 508                | 419                       | 406 | 70.7                       | 81.9         | 141            | 610        | 187           | -          |
| 550 x 450                | 22x18 | 559 x 457                | 419                       | 394 | 67.7                       | 78.5         | 135            | 584        | 180           | -          |
| 550 x 400                | 22x16 | 559 x 406.4              | 419                       | 381 | 66.2                       | 76.7         | 132            | 571        | 179           | -          |
| 550 x 350                | 22x14 | 559 x 355.6              | 419                       | 381 | 65.5                       | 75.9         | 130            | 565        | 174           | -          |
| 550 x 300                | 22x12 | 559 x 323.9              | 419                       | 371 | 64.0                       | 74.2         | 127            | 552        | 170           | -          |
| 550 x 250                | 22x10 | 559x273.1                | 419                       | 359 | 62.5                       | 72.5         | 124            | 540        | 166           | -          |
| 600 x 600                | 24x24 | 630 x 630<br>610x610     | 432                       | 432 | 96.0<br>93.9               | 110<br>107   | 165<br>161     | 797<br>779 | 220<br>215    | 303<br>296 |
| 600 x 550                | 24x22 | 610x559                  | 432                       | 432 | 90.1                       | 103          | 155            | 748        | 206           | -          |
| 600 x 500                | 24x20 | 630 x 529<br>610x508     | 432                       | 432 | 92.2<br>86.4               | 105<br>99.4  | 158<br>148     | 765<br>701 | 211<br>198    | 291<br>272 |
| 600 x 450                | 24x18 | 630 x 478<br>610x457     | 432                       | 419 | 88.4<br>84.5               | 101<br>96.9  | 152<br>145     | 734<br>694 | 202<br>193    | 278<br>266 |
| 600 x 400                | 24x16 | 630 x 426<br>610x406.4   | 432                       | 406 | 86.4<br>83.2               | 99.1<br>95.7 | 148<br>143     | 718<br>690 | 198<br>191    | 272<br>263 |
| 600 x 350                | 24x14 | 630 x 377<br>610x355.6   | 432                       | 406 | 85.5<br>81.7               | 98.0<br>93.5 | 147<br>140     | 710<br>678 | 195<br>187    | 269<br>257 |
| 600 x 300                | 24x12 | 630 x 325<br>610x 323.9  | 432                       | 397 | 83.5<br>79.8               | 95.8<br>91.5 | 143<br>137     | 678<br>662 | 191<br>182    | 263<br>251 |
| 600 x 250                | 24x10 | 630 x 273<br>610x273.1   | 432                       | 384 | 81.6<br>77.9               | 93.6<br>89.3 | 140<br>134     | 662<br>647 | 187<br>178    | 257<br>245 |
| 650 x 650                | 26x26 | 660 x 660                | 495                       | 495 | -                          | -            | 206            | -          | 274           | -          |
| 650 x 600                | 26x24 | 660x610                  | 495                       | 483 | -                          | -            | 197            | -          | 263           | -          |
| 650 x 550                | 26x22 | 660 x 559                | 495                       | 470 | -                          | -            | 189            | -          | 252           | -          |

三通（等径、异径）  
Tees(straight and reducing)

上述尺寸符合 GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4 ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。

Above dimensions acc. to GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

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| 公称通径<br>Nominal diameter |       | 外径<br>Outside diamete    | 中心至端面的距离<br>Center to end |     | 理论重量kg/pc<br>Approx weight |        |                |       |               |       |
|--------------------------|-------|--------------------------|---------------------------|-----|----------------------------|--------|----------------|-------|---------------|-------|
| DN                       | NPS   | D1XD2                    | C                         | M   | sch5S                      | sch10S | sch40S/<br>STD | sch40 | sch80S/<br>XS | sch80 |
| 650 x 500                | 26x20 | 660 x 508.0              | 495                       | 457 | -                          | -      | 185            | -     | 246           | -     |
| 650x450                  | 26x18 | 660x457.2                | 495                       | 444 | -                          | -      | 183            | -     | 244           | -     |
| 650x400                  | 26x16 | 660x406.4                | 495                       | 432 | -                          | -      | 179            | -     | 238           | -     |
| 650 x 350                | 26x14 | 660 x 355.6              | 495                       | 432 | -                          | -      | 175            | -     | 233           | -     |
| 650 x 300                | 26x12 | 660 x 323.9              | 495                       | 422 | -                          | -      | 171            | -     | 227           | -     |
| 700 x 700                | 28x28 | 720 x 720<br>711x711     | 521                       | 521 | -                          | -      | 232<br>229     | -     | 300<br>305    | -     |
| 700 x 650                | 28x26 | 711x 660                 | 521                       | 521 | -                          | -      | 222            | -     | 293           | -     |
| 700 x 600                | 28x24 | 720 x 630<br>711 x610    | 510                       | 508 | -                          | -      | 222<br>211     | -     | 296<br>275    | -     |
| 700 x 550                | 28x22 | 711 x 559                | 521                       | 495 | -                          | -      | 204            | -     | 272           | -     |
| 700 x 500                | 28x20 | 720 x 529<br>711x 508    | 521                       | 483 | -                          | -      | 222<br>199     | -     | 296<br>265    | -     |
| 700x450                  | 28x18 | 720 x 478<br>711x 457    | 521                       | 470 | -                          | -      | 208<br>195     | -     | 275<br>263    | -     |
| 700x400                  | 28x16 | 720 x 426<br>711 x 406.4 | 521                       | 457 | -                          | -      | 206<br>190     | -     | 268<br>259    | -     |
| 700 x 350                | 28x14 | 720 x 377<br>711 x 355.6 | 521                       | 457 | -                          | -      | 201<br>183     | -     | 260<br>253    | -     |
| 700 x 300                | 28x12 | 720 x 325<br>711 x 323.9 | 521                       | 448 | -                          | -      | 197<br>179     | -     | 256<br>244    | -     |
| 750 x 750                | 30x30 | 762 x 762                | 559                       | 559 | 176                        | 200    | 264            | -     | 352           | -     |
| 750 x 700                | 30x28 | 762 x 711                | 559                       | 546 | -                          | -      | 254            | -     | 338           | -     |
| 750 x 650                | 30x26 | 762 x 660                | 559                       | 546 | -                          | -      | 243            | -     | 323           | -     |
| 750 x 600                | 30x24 | 762x610                  | 559                       | 533 | 158                        | 197    | 238            | -     | 317           | -     |
| 750 x 550                | 30x22 | 762 x 559                | 559                       | 521 | 157                        | 195    | 235            | -     | 314           | -     |
| 750 x 500                | 30x20 | 762 x 508                | 559                       | 508 | 153                        | 174    | 230            | -     | 306           | -     |
| 750x450                  | 30x18 | 762 x 457                | 559                       | 495 | 149                        | 170    | 224            | -     | 299           | -     |
| 750x400                  | 30x16 | 762 x 406.4              | 559                       | 483 | 146                        | 166    | 219            | -     | 292           | -     |
| 750 x 350                | 30x14 | 762 x 355.6              | 559                       | 483 | 141                        | 166    | 211            | -     | 285           | -     |
| 750 x 300                | 30x12 | 762 x 323.9              | 559                       | 473 | 137                        | 156    | 206            | -     | 275           | -     |
| 750 x 250                | 30x10 | 762 x 273                | 559                       | 460 | 132                        | 150    | 198            | -     | 264           | -     |
| 800 x 800                | 32x32 | 820 x 820<br>813x813     | 597                       | 597 | -                          | -      | 303<br>302     | -     | 405<br>402    | -     |
| 800 x 750                | 32x30 | 813x762                  | 597                       | 584 | -                          | -      | 290            | -     | 386           | -     |
| 800 x 700                | 32x28 | 820 x 720<br>713x711     | 597                       | 572 | -                          | -      | 291<br>277     | -     | 388<br>370    | -     |
| 800 x 650                | 32x26 | 813x660                  | 597                       | 572 | -                          | -      | 271            | -     | 362           | -     |

| 公称通径<br>Nominal diameter |       | 外径<br>Outside diamete  | 中心至端面的距离<br>Center to end |     | 理论重量kg/pc<br>Approx weight |        |                |            |               |       |
|--------------------------|-------|------------------------|---------------------------|-----|----------------------------|--------|----------------|------------|---------------|-------|
| DN                       | NPS   | D1XD2                  | C                         | M   | sch5S                      | sch10S | sch40S/<br>STD | sch40      | sch80S/<br>XS | sch80 |
| 800 x 600                | 32x24 | 820 x 630<br>813x610   | 597                       | 559 | -                          | -      | 279<br>268     | -          | 356<br>358    | -     |
| 800 x 550                | 32x22 | 813x559                | 597                       | 546 | -                          | -      | 262            | -          | 350           | -     |
| 800 x 500                | 32x20 | 820 x 529<br>813x508   | 597                       | 533 | -                          | -      | 273<br>256     | -          | 364<br>342    | -     |
| 800 x 450                | 32x18 | 820 x 478<br>813x457   | 597                       | 521 | -                          | -      | 270<br>250     | -          | 360<br>334    | -     |
| 800 x 400                | 32x16 | 820 x 426<br>813x406.4 | 597                       | 508 | -                          | -      | 264<br>241     | -          | 352<br>322    | -     |
| 800 x 350                | 32x14 | 820 x 377<br>813x355.6 | 597                       | 508 | -                          | -      | 258<br>235     | -          | 344<br>314    | -     |
| 850 x 850                | 34x34 | 864 x 864              | 635                       | 635 | -                          | -      | 341            | 626        | 415           | -     |
| 850 x 800                | 34x32 | 864x813                | 635                       | 622 | -                          | -      | 328            | 610        | 437           | -     |
| 850 x 750                | 34x30 | 864 x 762              | 635                       | 610 | -                          | -      | 314            | -          | 419           | -     |
| 850 x 700                | 34x28 | 864x711                | 635                       | 597 | -                          | -      | 307            | -          | 409           | -     |
| 850 x 650                | 34x26 | 864 x 660              | 635                       | 597 | -                          | -      | 304            | -          | 405           | -     |
| 850 x 600                | 34x24 | 864x610                | 635                       | 584 | -                          | -      | 297            | 545        | 396           | -     |
| 850 x 550                | 34x22 | 864 x 559              | 635                       | 572 | -                          | -      | 290            | 532        | 387           | -     |
| 850 x 500                | 34x20 | 864 x 508              | 635                       | 559 | -                          | -      | 283            | 520        | 378           | -     |
| 850 x 450                | 34x18 | 864 x 457              | 635                       | 546 | -                          | -      | 273            | 501        | 364           | -     |
| 850 x 400                | 34x16 | 864 x 406.7            | 635                       | 533 | -                          | -      | 266            | 488        | 355           | -     |
| 900 x 900                | 36x36 | 920 x 920<br>914x914   | 673                       | 673 | -                          | -      | 648<br>639     | 786<br>767 | 543<br>511    | -     |
| 900 x 850                | 36x34 | 914x864                | 673                       | 660 | -                          | -      | 619            | 736        | 511           | -     |
| 900 x 800                | 36x32 | 920 x 820<br>914x813   | 673                       | 648 | -                          | -      | 370<br>353     | 741<br>690 | 594<br>470    | -     |
| 900 x 750                | 36x30 | 914x762                | 673                       | 635 | -                          | -      | 345            | -          | 460           | -     |
| 900 x 700                | 36x28 | 920 x 720<br>914x711   | 673                       | 622 | -                          | -      | 355<br>341     | -          | 473<br>455    | -     |
| 900 x 650                | 36x26 | 914x660                | 673                       | 622 | -                          | -      | 333            | 667        | 447           | -     |
| 900 x 600                | 36x24 | 914x610                | 673                       | 610 | -                          | -      | 326            | 651        | 434           | -     |
| 900 x 550                | 36x22 | 914x559                | 673                       | 597 | -                          | -      | 318            | 636        | 424           | -     |
| 900 x 500                | 36x20 | 920 x 529<br>914x508   | 673                       | 584 | -                          | -      | 347<br>306     | 685<br>598 | 462<br>409    | -     |
| 900 x 450                | 36x18 | 920 x 478<br>914x457   | 673                       | 572 | -                          | -      | 343<br>299     | 693<br>913 | 457<br>398    | -     |
| 900 x 400                | 36x16 | 920 x 426<br>914x406.4 | 673                       | 559 | -                          | -      | 335<br>287     | 669<br>575 | 447<br>383    | -     |

三通（等径、异径）  
Tees(straight and reducing)

上述尺寸符合 GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4 ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。

Above dimensions acc. to GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313

理论重量按ANSI B16.19标准壁厚测算  
Weights are approximate and based on manufactur's data, according to ANSI B16.19

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

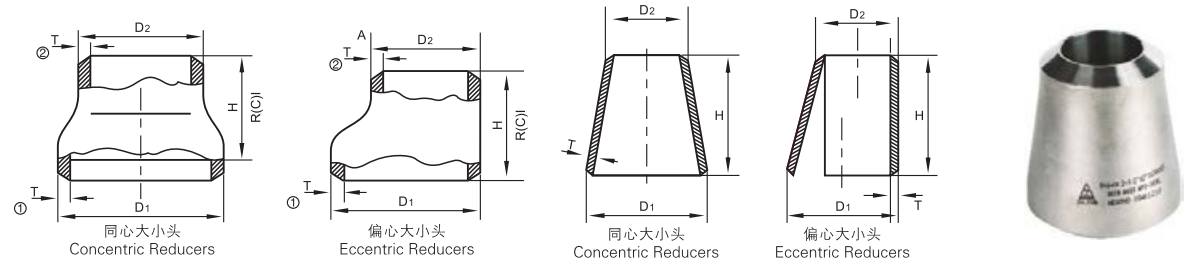
异径接头(同心、偏心)  
Reducers (concentric  
and eccentric)

上述尺寸符合 GB/T 12459,GB/T 13401  
SH 3408, SH 3409, EN 10253-4,  
ASME B16.9, MSS SP-43, DIN 2605,  
JIS B2313标准。

Above dimensions acc. to GB/T 12459,  
GB/T 13401, SH 3408, SH 3409,  
EN10253-4, ASME B16.9, MSS SP-43,  
DIN 2605, JIS B2313.

理论重量按ANSI B16.19标准壁厚测算  
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We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H,  
321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
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| 公称通径<br>Nominal diameter |               | 外径<br>Outside diamete | 端面至端面的距离<br>End to end | 理论重量kg/pc<br>Approx weight |              |                |              |               |              |
|--------------------------|---------------|-----------------------|------------------------|----------------------------|--------------|----------------|--------------|---------------|--------------|
| DN                       | NPS           | D1XD2                 | H                      | sch5S                      | sch10S       | sch40S/<br>STD | sch40        | sch80S/<br>XS | sch80        |
| 20x15                    | 3/4 x 1/2     | 25x18<br>26.7x21.3    | 38                     | 0.03<br>0.04               | 0.04<br>0.04 | 0.05<br>0.06   | 0.05<br>0.06 | 0.07<br>0.07  | 0.07<br>0.07 |
| 25x20                    | 1x3/4         | 32x25<br>33.4 x 26.7  | 51                     | 0.06<br>0.06               | 0.09<br>0.10 | 0.11<br>0.11   | 0.11<br>0.11 | 0.14<br>0.15  | 0.14<br>0.15 |
| 25x15                    | 1x1/2         | 32x18<br>33.4x21.3    | 51                     | 0.05<br>0.06               | 0.08<br>0.09 | 0.09<br>0.10   | 0.09<br>0.10 | 0.12<br>0.13  | 0.12<br>0.13 |
| 32x25                    | 1.1/4x1       | 38x32<br>42.2 x 33.4  | 51                     | 0.07<br>0.08               | 0.11<br>0.12 | 0.14<br>0.15   | 0.14<br>0.15 | 0.18<br>0.20  | 0.18<br>0.20 |
| 32x20                    | 1.1/4 x 3/4   | 38x25<br>42.2x26.7    | 51                     | 0.06<br>0.07               | 0.10<br>0.11 | 0.13<br>0.14   | 0.13<br>0.14 | 0.16<br>0.18  | 0.16<br>0.18 |
| 32x15                    | 1.1/4 x 1/2   | 38x18<br>42.2x21.3    | 51                     | 0.06<br>0.07               | 0.09<br>0.11 | 0.11<br>0.13   | 0.11<br>0.13 | 0.14<br>0.17  | 0.14<br>0.17 |
| 40x32                    | 1.1/2x1.1/4   | 45x38<br>48.3 x 33.4  | 64                     | 0.11<br>0.11               | 0.17<br>0.19 | 0.22<br>0.24   | 0.22<br>0.24 | 0.29<br>0.32  | 0.29<br>0.32 |
| 40x25                    | 1.1/2x1       | 45x32<br>48.3 x 33.4  | 64                     | 0.10<br>0.10               | 0.16<br>0.17 | 0.20<br>0.22   | 0.20<br>0.22 | 0.27<br>0.29  | 0.27<br>0.29 |
| 40x20                    | 1.1/2 x 3/4   | 45x25<br>48.3x26.7    | 64                     | 0.09<br>0.10               | 0.15<br>0.16 | 0.18<br>0.20   | 0.18<br>0.20 | 0.24<br>0.26  | 0.24<br>0.26 |
| 40x15                    | 1.1/2 x 1/2   | 45x18<br>48.3x21.3    | 64                     | 0.08<br>0.09               | 0.13<br>0.15 | 0.16<br>0.19   | 0.16<br>0.19 | 0.21<br>0.24  | 0.21<br>0.24 |
| 50x40                    | 2x1.1/2       | 57x45<br>60.3x48.3    | 76                     | 0.16<br>0.17               | 0.26<br>0.27 | 0.35<br>0.37   | 0.35<br>0.37 | 0.47<br>0.51  | 0.47<br>0.51 |
| 50x32                    | 2 x 1.1/4     | 57x38<br>60.3x42.2    | 76                     | 0.15<br>0.16               | 0.24<br>0.26 | 0.32<br>0.35   | 0.32<br>0.35 | 0.44<br>0.48  | 0.44<br>0.48 |
| 50x25                    | 2x1           | 57x32<br>60.3 x 33.4  | 76                     | 0.14<br>0.14               | 0.22<br>0.24 | 0.30<br>0.32   | 0.30<br>0.32 | 0.41<br>0.44  | 0.41<br>0.44 |
| 65x50                    | 2.1/2 x 2     | 76x57<br>73.0 x 60.3  | 89                     | 0.30<br>0.30               | 0.43<br>0.43 | 0.70<br>0.70   | 0.70<br>0.70 | 0.92<br>0.92  | 0.92<br>0.92 |
| 65x40                    | 2.1/2 x 1.1/2 | 76x45<br>73.0x48.3    | 89                     | 0.28<br>0.28               | 0.40<br>0.40 | 0.64<br>0.63   | 0.64<br>0.63 | 0.84<br>0.83  | 0.84<br>0.83 |
| 65x32                    | 2.1/2 x 1.1/4 | 76x38<br>73.0x42.2    | 89                     | 0.26<br>0.27               | 0.38<br>0.38 | 0.60<br>0.60   | 0.60<br>0.60 | 0.79<br>0.79  | 0.79<br>0.79 |
| 65x25                    | 2.1/2 x 1     | 76x32<br>73.0 x 33.4  | 89                     | 0.25<br>0.25               | 0.36<br>0.35 | 0.57<br>0.56   | 0.57<br>0.56 | 0.75<br>0.73  | 0.75<br>0.73 |
| 80x65                    | 3 x 2.1/2     | 89x76<br>88.9 x 73.0  | 89                     | 0.38<br>0.37               | 0.54<br>0.53 | 0.93<br>0.91   | 0.93<br>0.91 | 1.26<br>1.23  | 1.26<br>1.23 |
| 80x50                    | 3x2           | 89x57<br>88.9x60.3    | 89                     | 0.34<br>0.35               | 0.48<br>0.49 | 0.83<br>0.84   | 0.83<br>0.84 | 1.11<br>1.13  | 1.11<br>1.13 |

| 公称通径<br>Nominal diameter |               | 外径<br>Outside diamete    | 端面至端面的距离<br>End to end | 理论重量kg/pc<br>Approx weight |              |                |              |               |              |
|--------------------------|---------------|--------------------------|------------------------|----------------------------|--------------|----------------|--------------|---------------|--------------|
| DN                       | NPS           | D1XD2                    | H                      | sch5S                      | sch10S       | sch40S/<br>STD | sch40        | sch80S/<br>XS | sch80        |
| 80x40                    | 3 x 1.1/2     | 89x45<br>88.9x48.3       | 89                     | 0.31<br>0.32               | 0.45<br>0.45 | 0.76<br>0.78   | 0.76<br>0.78 | 1.02<br>1.05  | 1.02<br>1.05 |
| 90x80                    | 3.1/2 x 3     | 101.6x88.9               | 102                    | 0.50                       | 0.72         | 1.29           | 1.29         | 1.77          | 1.77         |
| 90x65                    | 3.1/2 x 2.1/2 | 101.6x73.0               | 102                    | 0.46                       | 0.66         | 1.12           | 1.12         | 1.63          | 1.63         |
| 90x50                    | 3.1/2 x 2     | 101.6x60.3               | 102                    | 0.43                       | 0.62         | 1.10           | 1.10         | 1.51          | 1.51         |
| 90x40                    | 4 x 3.1/2     | 101.6x48.3               | 102                    | 0.41                       | 0.58         | 1.03           | 1.03         | 1.40          | 1.40         |
| 100x90                   | 3.1/2 x 1.1/2 | 114.3x101.6              | 102                    | 0.57                       | 0.82         | 1.55           | 1.55         | 2.41          | 2.41         |
| 100x80                   | 4x3           | 108x89<br>114.3x88.9     | 102                    | 0.52<br>0.54               | 0.75<br>0.77 | 1.41<br>1.46   | 1.41<br>1.46 | 1.94<br>2.02  | 1.94<br>2.02 |
| 100x65                   | 4x2.1/2       | 108x76<br>114.3x73.0     | 102                    | 0.49<br>0.50               | 0.70<br>0.72 | 1.32<br>1.35   | 1.32<br>1.35 | 1.82<br>1.87  | 1.82<br>1.87 |
| 100x50                   | 4x2           | 108x57<br>114.3x60.3     | 102                    | 0.44<br>0.48               | 0.64<br>0.68 | 1.19<br>1.27   | 1.19<br>1.27 | 1.64<br>1.75  | 1.64<br>1.75 |
| 125x100                  | 5x4           | 133x108<br>141.3x114.3   | 127                    | 1.04<br>1.11               | 1.27<br>1.35 | 2.35<br>2.50   | 2.35<br>2.50 | 3.33<br>3.55  | 3.33<br>3.55 |
| 125x90                   | 5 x 3.1/2     | 141.3x101.6              | 127                    | 1.06                       | 1.29         | 2.38           | 2.38         | 3.38          | 3.38         |
| 125x80                   | 5x3           | 133x89<br>141.3x88.9     | 127                    | 0.97<br>1.01               | 1.18<br>1.23 | 2.17<br>2.27   | 2.17<br>2.27 | 3.07<br>3.22  | 3.07<br>3.22 |
| 125x65                   | 5x2.1/2       | 133x76<br>141.3x73.0     | 127                    | 0.92<br>0.95               | 1.12<br>1.16 | 2.06<br>2.14   | 2.06<br>2.14 | 2.91<br>3.02  | 2.91<br>3.02 |
| 150x125                  | 6x5           | 159x133<br>168.3x141.3   | 140                    | 1.40<br>1.48               | 1.71<br>1.81 | 3.42<br>3.64   | 3.42<br>3.64 | 5.14<br>5.47  | 5.14<br>5.47 |
| 150x100                  | 6x4           | 159x108<br>168.3x114.3   | 140                    | 1.29<br>1.37               | 1.58<br>1.67 | 3.15<br>3.36   | 3.15<br>3.36 | 4.72<br>5.03  | 4.72<br>5.03 |
| 150x90                   | 6 x 3.1/2     | 168.3x101.6              | 140                    | 1.32                       | 1.61         | 3.23           | 3.23         | 4.83          | 4.83         |
| 150x80                   | 6x3           | 159x89<br>168.3x88.9     | 140                    | 1.21<br>1.26               | 1.48<br>1.53 | 2.96<br>3.07   | 2.96<br>3.87 | 4.41<br>4.58  | 4.41<br>4.58 |
| 200x150                  | 8x6           | 219x159<br>219.1 x 168.3 | 152                    | 2.00<br>2.04               | 2.70<br>2.75 | 5.65<br>5.77   | 5.65<br>5.77 | 8.55<br>8.73  | 8.55<br>8.73 |
| 200x125                  | 8x5           | 219x133<br>219.1 x 141.3 | 152                    | 1.90<br>1.93               | 2.56<br>2.60 | 5.35<br>5.44   | 5.35<br>5.44 | 8.09<br>8.23  | 8.09<br>8.23 |
| 200x100                  | 8x4           | 219x108<br>219.1 x 114.3 | 152                    | 1.80<br>1.83               | 2.43<br>2.46 | 5.07<br>5.14   | 5.07<br>5.44 | 7.64<br>7.75  | 7.64<br>7.75 |
| 250 x 200                | 10x8          | 273x219                  | 178                    | 3.72                       | 4.56         | 9.74           | 15.5         | 15.5          | 15.5         |
| 250x150                  | 10x6          | 273x159<br>273.1 x 168.3 | 178                    | 3.38<br>3.43               | 4.15<br>4.21 | 8.83<br>8.96   | 14.0<br>14.2 | 14.0<br>14.2  | 14.0<br>14.2 |
| 250x125                  | 10x5          | 273x133<br>273.1 x 141.3 | 178                    | 3.25<br>3.29               | 3.99<br>4.04 | 8.47<br>8.59   | 13.4<br>13.6 | 13.4<br>13.6  | 13.4<br>13.6 |
| 300 x 250                | 12x10         | 325 x 273<br>323.9x273.1 | 203                    | 5.98<br>5.97               | 6.89<br>6.88 | 13.9<br>13.9   | 15.0<br>15.0 | 18.3<br>18.3  | 24.8<br>24.8 |
| 300 x 200                | 12x8          | 325x219<br>323.9x219.1   | 203                    | 5.57<br>5.56               | 6.42<br>6.41 | 12.9<br>12.9   | 14.0<br>13.9 | 17.0<br>17.0  | 23.0<br>23.0 |

异径接头(同心、偏心)  
Reducers (concentric  
and eccentric)

上述尺寸符合 GB/T 12459,GB/T 13401  
SH 3408, SH 3409, EN 10253-4,  
ASME B16.9, MSS SP-43, DIN 2605,  
JIS B2313标准。

Above dimensions acc. to GB/T 12459,  
GB/T 13401, SH 3408, SH 3409,  
EN10253-4, ASME B16.9, MSS SP-43,  
DIN 2605, JIS B2313.

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We can provide:  
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| 公称通径<br>Nominal diameter |       | 外径<br>Outside diamete     | 端面至端面的距离<br>End to end | 理论重量kg/pc<br>Approx weight |              |                |              |               |              |
|--------------------------|-------|---------------------------|------------------------|----------------------------|--------------|----------------|--------------|---------------|--------------|
| DN                       | NPS   | D1XD2                     | H                      | sch5S                      | sch10S       | sch40S/<br>STD | sch40        | sch80S/<br>XS | sch80        |
| 300x150                  | 12x6  | 325x159<br>323.9x168.3    | 203                    | 5.17<br>5.22               | 5.95<br>6.00 | 12.0<br>12.1   | 12.9<br>13.0 | 15.7<br>15.9  | 21.2<br>21.4 |
| 350 x 300                | 14x12 | 377 x 325<br>355.6 x323.9 | 330                    | 11.4<br>11.0               | 13.7<br>13.2 | 26.6<br>25.6   | 30.9<br>29.8 | 35.1<br>33.8  | 51.6<br>49.8 |
| 350 x 250                | 14x10 | 377 x 273<br>355.6x273.1  | 330                    | 10.6<br>10.2               | 12.8<br>12.3 | 24.8<br>23.8   | 28.8<br>27.7 | 32.7<br>31.4  | 48.0<br>46.1 |
| 350 x 200                | 14x8  | 377x219<br>355.6x219.1    | 330                    | 9.89<br>9.46               | 11.9<br>11.4 | 23.0<br>22.0   | 26.7<br>25.5 | 30.3<br>29.0  | 44.5<br>42.5 |
| 350x150                  | 14x6  | 377x159<br>355.6x168.3    | 330                    | 9.63<br>9.22               | 11.0<br>10.5 | 21.1<br>20.2   | 24.5<br>23.5 | 27.8<br>26.6  | 40.7<br>38.9 |
| 400 x 350                | 16x14 | 426 x 377<br>406.4x355.6  | 356                    | 14.9<br>14.1               | 16.9<br>16.1 | 32.9<br>31.2   | 43.5<br>41.2 | 43.5<br>41.2  | 71.7<br>67.9 |
| 400 x 300                | 16x12 | 426 x 325<br>406.4x323.9  | 356                    | 14.0<br>13.6               | 16.0<br>15.4 | 31.0<br>29.9   | 40.9<br>39.5 | 40.9<br>39.5  | 67.4<br>65.1 |
| 400 x 250                | 16x10 | 426 x 273<br>406.4x273.1  | 356                    | 13.2<br>12.7               | 15.0<br>14.5 | 29.1<br>28.1   | 38.4<br>37.1 | 38.4<br>37.1  | 63.1<br>60.9 |
| 400 x 200                | 16x8  | 426x219<br>406.4x219.1    | 356                    | 12.4<br>11.9               | 14.1<br>13.6 | 27.3<br>26.2   | 36.0<br>34.6 | 36.0<br>34.6  | 59.1<br>56.7 |
| 400x150                  | 16x6  | 426x159<br>406.4x168.3    | 356                    | 11.5<br>9.96               | 13.1<br>12.7 | 25.3<br>24.5   | 33.3<br>32.3 | 33.3<br>32.3  | 54.5<br>52.7 |
| 450 x 400                | 18x16 | 478x426<br>457x406.4      | 381                    | 17.9<br>17.1               | 20.4<br>19.5 | 39.7<br>37.9   | 58.8<br>56.1 | 52.6<br>50.1  | 96.1<br>91.6 |
| 450 x 350                | 18x14 | 478 x 377<br>457x355.6    | 381                    | 17.1<br>16.2               | 19.4<br>18.5 | 37.7<br>35.8   | 55.8<br>53.0 | 49.9<br>47.4  | 91.1<br>86.3 |
| 450 x 300                | 18x12 | 478 x 325<br>457 x323.9   | 381                    | 16.2<br>15.7               | 18.5<br>17.9 | 35.8<br>34.7   | 53.0<br>51.2 | 47.4<br>45.8  | 86.3<br>83.4 |
| 450 x 250                | 18x10 | 478 x 273<br>457x273.1    | 381                    | 15.4<br>14.8               | 17.6<br>16.9 | 34.1<br>32.8   | 50.3<br>48.4 | 45.0<br>43.3  | 81.8<br>78.6 |
| 450 x 200                | 18x8  | 478x219<br>457x219.1      | 381                    | 14.5<br>14.0               | 16.5<br>15.9 | 32.0<br>30.8   | 47.3<br>45.5 | 42.3<br>40.7  | 76.7<br>73.7 |
| 500x450                  | 20x18 | 529 x 478<br>508 x 457    | 508                    | 30.4<br>29.1               | 35.2<br>33.7 | 59.1<br>56.6   | 92.5<br>88.6 | 78.2<br>74.9  | 156<br>150   |
| 500x400                  | 20x16 | 529 x 426<br>508 x 406.4  | 508                    | 28.9<br>27.7               | 33.4<br>32.0 | 56.2<br>53.8   | 87.9<br>84.1 | 74.4<br>71.1  | 149<br>142   |
| 500 x 350                | 20x14 | 529 x 377<br>508 x 355.6  | 508                    | 27.6<br>26.3               | 31.9<br>30.4 | 53.6<br>51.0   | 83.8<br>79.7 | 70.9<br>67.4  | 142<br>135   |
| 500 x 300                | 20x12 | 529 x 325<br>508 x 323.9  | 508                    | 26.2<br>25.4               | 30.3<br>29.4 | 50.8<br>49.3   | 79.4<br>77.0 | 67.2<br>65.1  | 134<br>130   |
| 500 x 250                | 20x10 | 529 x 273<br>508x273.1    | 508                    | 24.8<br>24.0               | 28.7<br>27.8 | 48.2<br>26.7   | 75.2<br>72.8 | 63.7<br>61.7  | 127<br>123   |
| 500 x 200                | 20x8  | 529x219<br>508x219.1      | 508                    | 23.5<br>22.7               | 27.1<br>26.2 | 45.5<br>43.9   | 70.9<br>68.5 | 60.1<br>58.0  | 119<br>115   |

| 公称通径<br>Nominal diameter |       | 外径<br>Outside diamete  | 端面至端面的距离<br>End to end | 理论重量kg/pc<br>Approx weight |              |                |            |               |            |
|--------------------------|-------|------------------------|------------------------|----------------------------|--------------|----------------|------------|---------------|------------|
| DN                       | NPS   | D1XD2                  | H                      | sch5S                      | sch10S       | sch40S/<br>STD | sch40      | sch80S/<br>XS | sch80      |
| 550 x 500                | 22x20 | 559 x 508              | 508                    | 32.1                       | 37.3         | 62.7           | -          | 83.0          | 182        |
| 550 x 450                | 22x18 | 559 x 457              | 508                    | 30.8                       | 35.0         | 59.9           | -          | 79.3          | 174        |
| 550 x 400                | 22x16 | 559 x 406.4            | 508                    | 29.4                       | 34.0         | 57.2           | -          | 75.7          | 165        |
| 550 x 350                | 22x14 | 559 x 355.6            | 508                    | 28.0                       | 32.5         | 54.5           | -          | 72.1          | 157        |
| 600 x 550                | 24x22 | 610x559                | 508                    | 28.0                       | 46.8         | 68.8           | -          | 91.2          | 215        |
| 600 x 500                | 24x20 | 630 x 529<br>610x508   | 508                    | 40.4<br>39.2               | 46.2<br>44.9 | 68.0<br>66.0   | 123<br>119 | 90.1<br>87.4  | 212<br>206 |
| 600 x 450                | 24x18 | 630 x 478<br>610x457   | 508                    | 39.1<br>37.6               | 44.7<br>43.1 | 65.8<br>63.3   | 119<br>114 | 87.1<br>83.9  | 205<br>197 |
| 600 x 400                | 24x16 | 630 x 426<br>610x406.4 | 508                    | 37.5<br>36.1               | 43.0<br>41.3 | 63.1<br>60.7   | 114<br>110 | 83.6<br>80.4  | 197<br>189 |
| 650 x 600                | 26x24 | 660x610                | 610                    | -                          | -            | 89.8           | -          | 119           | -          |
| 650 x 550                | 26x22 | 660 x 559              | 610                    | -                          | -            | 86.3           | -          | 114           | -          |
| 650 x 500                | 26x20 | 660 x 508              | 610                    | -                          | -            | 83.0           | -          | 110           | -          |
| 650 x 450                | 26x18 | 660 x 457              | 610                    | -                          | -            | 89.0           | -          | 105           | -          |
| 700 x 650                | 28x26 | 711x 660               | 610                    | -                          | -            | 97.1           | -          | 129           | -          |
| 700 x 600                | 28x24 | 720 x 630<br>711 x610  | 610                    | -                          | -            | 95.7<br>93.6   | -          | 127<br>124    | -          |
| 700 x 550                | 28x22 | 711x 559               | 610                    | -                          | -            | 90.4           | -          | 120           | -          |
| 750 x 700                | 30x28 | 762 x 711              | 610                    | -                          | -            | 104            | -          | 139           | -          |
| 750 x 650                | 30x26 | 762 x 660              | 610                    | -                          | -            | 101            | -          | 133-          | -          |
| 750 x 600                | 30x24 | 762x610                | 610                    | 66.4                       | 82.7         | 97.8           | -          | 130           | -          |
| 750 x 550                | 30x22 | 762 x 559              | 610                    | 63.9                       | 80.0         | 94.5           | -          | 125           | -          |
| 800 x 750                | 32x30 | 813x762                | 610                    | -                          | -            | 112            | -          | 148           | -          |
| 800 x 700                | 32x28 | 820 x 720<br>812x711   | 610                    | -                          | -            | 109<br>108     | -          | 145<br>144    | -          |
| 800 x 650                | 32x26 | 812x660                | 610                    | -                          | -            | 105            | -          | 139           | -          |
| 800 x 600                | 32x24 | 820 x 630<br>813x610   | 610                    | -                          | -            | 104<br>102     | -          | 138<br>135    | -          |
| 850 x 800                | 34x32 | 864x813                | 610                    | -                          | -            | 119            | -          | 158           | -          |
| 850 x 750                | 34x30 | 864 x 762              | 610                    | -                          | -            | 116            | -          | 153           | -          |
| 850 x 700                | 34x28 | 864x711                | 610                    | -                          | -            | 112            | -          | 149           | -          |
| 850 x 650                | 34x26 | 864 x 660              | 610                    | -                          | -            | 109            | -          | 145           | -          |
| 900 x 850                | 36x34 | 914x864                | 610                    | -                          | -            | 126            | -          | 168           | -          |
| 900 x 800                | 36x32 | 920 x 820<br>914x813   | 610                    | -                          | -            | 124<br>123     | -          | 164<br>163    | -          |
| 900 x 750                | 36x30 | 914x762                | 610                    | -                          | -            | 120            | -          | 159           | -          |
| 900 x 700                | 36x28 | 920 x 720<br>914x711   | 610                    | -                          | -            | 118<br>117     | -          | 156<br>155    | -          |

异径接头(同心、偏心)  
Reducers (concentric  
and eccentric)

上述尺寸符合 GB/T 12459,GB/T 13401  
SH 3408, SH 3409, EN 10253-4,  
ASME B16.9, MSS SP-43, DIN 2605,  
JIS B2313标准。

Above dimensions acc. to GB/T 12459,  
GB/T 13401, SH 3408, SH 3409,  
EN10253-4, ASME B16.9, MSS SP-43,  
DIN 2605, JIS B2313.

理论重量按ANSI B16.19标准壁厚测算  
Weights are approximate and based  
on manufactur'sdata, according to  
ANSI B16.19

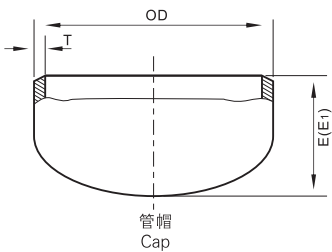
We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H,  
321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507,  
S32760) Special Alloy (N04400/400, N06625/625,  
N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and  
stainless steel tubes

管帽CAPS

上述尺寸符合GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。  
Above dimensions acc. to GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313.

理论重量按ANSI B16.19标准壁厚测算  
Weights are approximate and based on manufactur's data, according to ANSI B16.19

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes



| 公称通径<br>Nominal diameter |       | 外径<br>Outside diameter | 背面至端面的距离<br>Back to end |     | (E型) 理论重kg/pc<br>(E ) Approx weight |                        |                      |                      |                      |                      |
|--------------------------|-------|------------------------|-------------------------|-----|-------------------------------------|------------------------|----------------------|----------------------|----------------------|----------------------|
| DN                       | NPS   | OD                     | E                       | Ei  | sch5S                               | sch10S                 | sch40S/<br>STD       | sch40                | sch80S/<br>XS        | sch80                |
| 15                       | 1/2   | 18<br>21.3             | 25                      | 25  | 0.019<br>0.022                      | 0.024<br>0.028         | 0.031<br>0.037       | 0.031<br>0.037       | 0.042<br>0.050       | 0.042<br>0.050       |
| 20                       | 3/4   | 25<br>26.7             | 25                      | 25  | 0.027<br>0.029                      | 0.033<br>0.035         | 0.045<br>0.048       | 0.045<br>0.048       | 0.060<br>0.065       | 0.060<br>0.065       |
| 25                       | 1     | 32<br>33.7             | 38                      | 38  | 0.049<br>0.052                      | 0.083<br>0.087         | 0.101<br>0.106       | 0.101<br>0.106       | 0.136<br>0.143       | 0.136<br>0.143       |
| 32                       | 1.1/4 | 38<br>42.4             | 38                      | 38  | 0.058<br>0.065                      | 0.099<br>0.110         | 0.126<br>0.141       | 0.126<br>0.141       | 0.173<br>0.193       | 0.173<br>0.193       |
| 40                       | 1.1/2 | 45<br>48.3             | 38                      | 38  | 0.071<br>0.076                      | 0.118<br>0.127         | 0.158<br>0.169       | 0.158<br>0.169       | 0.218<br>0.234       | 0.218<br>0.234       |
| 50                       | 2     | 57<br>60.3             | 38                      | 44  | 0.094<br>0.099                      | 0.156<br>0.165         | 0.221<br>0.234       | 0.221<br>0.234       | 0.313<br>0.331       | 0.313<br>0.331       |
| 65                       | 2.1/2 | 76<br>73.0             | 38                      | 51  | 0.167<br>0.161                      | 0.241<br>0.232         | 0.409<br>0.393       | 0.409<br>0.393       | 0.555<br>0.534       | 0.555<br>0.534       |
| 80                       | 3     | 89                     | 51                      | 64  | 0.254                               | 0.367                  | 0.660                | 0.660                | 0.917                | 0.917                |
| 90                       | 3.1/2 | 101.6                  | 64                      | 76  | 0.355                               | 0.512                  | 0.965                | 0.965                | 1.36                 | 1.36                 |
| 100                      | 4     | 108<br>114.3           | 64                      | 76  | 0.387<br>0.410                      | 0.561<br>0.594         | 1.11<br>1.17         | 1.11<br>1.17         | 1.58<br>1.67         | 1.58<br>1.67         |
| 125                      | 5     | 133<br>139.7<br>141.3  | 76                      | 89  | 0.769<br>0.808<br>0.817             | 0.945<br>0.993<br>1.00 | 1.82<br>1.91<br>1.93 | 1.82<br>1.91<br>1.93 | 2.65<br>2.78<br>2.81 | 2.65<br>2.78<br>2.81 |
| 150                      | 6     | 159<br>168.3<br>165.2  | 89                      | 102 | 1.07<br>1.13<br>1.11                | 1.31<br>1.39<br>1.36   | 2.74<br>2.90<br>2.85 | 2.74<br>2.90<br>2.85 | 4.22<br>4.47<br>4.39 | 4.22<br>4.47<br>4.39 |
| 200                      | 8     | 219<br>216.1           | 102                     | 127 | 1.76<br>1.74                        | 2.38<br>2.35           | 5.19<br>5.13         | 5.19<br>5.13         | 8.05<br>7.95         | 8.05<br>7.95         |
| 250                      | 10    | 273<br>267.4           | 127                     | 152 | 3.36<br>3.29                        | 4.14<br>4.05           | 9.15<br>8.96         | 9.15<br>8.96         | 12.5<br>12.2         | 16.3<br>16.4         |

| 公称通径<br>Norminal diameter |     | 外径<br>Outside diameter | 背面至端面的距离<br>Back to end |     | (E型) 理论重kg/pc<br>(E ) Approx weight |                      |                      |                      |                      |                      |
|---------------------------|-----|------------------------|-------------------------|-----|-------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| DN                        | NPS | OD                     | E                       | Ei  | sch5S                               | sch10S               | sch40S/<br>STD       | sch40                | sch80S/<br>XS        | sch80                |
| 300                       | 12  | 325<br>323.9<br>318.5  | 152                     | 187 | 5.12<br>5.11<br>5.02                | 6.40<br>6.39<br>6.27 | 13.5<br>13.3<br>13.2 | 14.6<br>14.4<br>14.2 | 17.9<br>17.7<br>17.3 | 28.3<br>27.1<br>26.8 |
| 350                       | 14  | 377<br>355.6           | 165                     | 191 | 6.00<br>5.66                        | 8.46<br>7.87         | 16.9<br>15.9         | 19.9<br>18.8         | 22.5<br>21.2         | 38.5<br>35.2         |
| 400                       | 16  | 426<br>406.4           | 176                     | 203 | 6.93<br>6.60                        | 7.91<br>7.53         | 21.0<br>20.0         | 28.2<br>20.0         | 28.0<br>26.7         | 52.0<br>49.1         |
| 450                       | 18  | 478<br>457.2           | 203                     | 229 | 7.90<br>7.52                        | 9.01<br>8.58         | 26.9<br>25.6         | 43.8<br>41.4         | 35.8<br>34.1         | 76.1<br>69.1         |
| 500                       | 20  | 529<br>508.0           | 229                     | 254 | 10.5<br>10.1                        | 12.02<br>11.7        | 33.2<br>31.9         | 57.6<br>54.0         | 44.2<br>42.5         | 103<br>93.7          |
| 550                       | 22  | 559                    | 254                     | 254 | 12.1                                | 22.6                 | 38.8                 | 78.3                 | 51.7                 | 116                  |
| 600                       | 24  | 630<br>610             | 254                     | 305 | 14.8<br>14.3                        | 16.9<br>16.4         | 46.5<br>45.1         | 92.3<br>90.1         | 61.9<br>60.1         | 177<br>160           |
| 650                       | 26  | 660                    | 267                     | -   | 23.3                                | 26.1                 | 50.5                 | 103.5                | 67.3                 |                      |
| 700                       | 28  | 720<br>711             | 267                     | -   | 27.1<br>38.7                        | 32.4<br>49.7         | 56.9<br>56.2         | 151.1<br>121.3       | 75.6<br>74.9         |                      |
| 750                       | 30  | 762                    | 267                     | -   | 41.4                                | 51.7                 | 62.1                 | 117.3                | 82.8                 |                      |
| 800                       | 32  | 820<br>813             | 267                     | -   | 43.4<br>43.1                        | 58.3<br>57.7         | 70.6<br>70.0         | 127<br>126           | 92.0<br>91.2         |                      |
| 850                       | 34  | 864                    | 267                     | -   | 57.2                                | 68.5                 | 78.7                 | 144                  | 105                  |                      |
| 900                       | 36  | 920<br>914             | 267                     | -   | 60.3<br>59.1                        | 74.6<br>72.1         | 86.6<br>85.7         | 172<br>171           | 115<br>114           |                      |

管帽CAPS

上述尺寸符合GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN 10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313标准。  
Above dimensions acc. to GB/T 12459, GB/T 13401, SH 3408, SH 3409, EN10253-4, ASME B16.9, MSS SP-43, DIN 2605, JIS B2313.

理论重量按ANSI B16.19标准壁厚测算  
Weights are approximate and based on manufactur's data, according to ANSI B16.19

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes



翻边短接Stub End

上述尺寸符合MSS SP-43 ASME B16.9标准。

Above dimensions acc. to MSS SP-43、ASME B16.9

We can provide:

Stainless steel (304, 304L, 304H, 316, 316L, 316TI, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)

Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760)

Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)

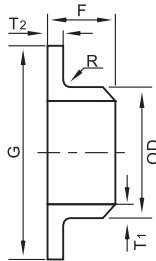
Our specialized products:

stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

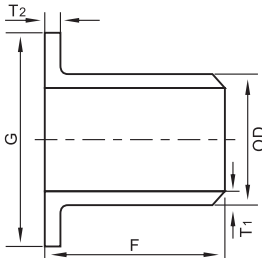
| 公称通径<br>Normalinal<br>diameter |       | 外径<br>Outside<br>diameter | 长度<br>Length<br>F |          | 搭接外径<br>Diameter of lap<br>Nominal & Maximum | 圆角半径<br>Radius of<br>FilletR |          | (E型 ) 理论重kg/pc<br>(E ) Approx weight |          |          |          |          |          |
|--------------------------------|-------|---------------------------|-------------------|----------|----------------------------------------------|------------------------------|----------|--------------------------------------|----------|----------|----------|----------|----------|
|                                |       |                           |                   |          |                                              |                              |          | sch5S                                |          | sch10S   |          | sch40S   |          |
| DN                             | NPS   | OD                        | 短型<br>SP          | 长型<br>LP | G                                            | A<br>Max                     | B<br>Max | 短型<br>SP                             | 长型<br>LP | 短型<br>SP | 长型<br>LP | 短型<br>SP | 长型<br>LP |
| 15                             | ½     | 21.3                      | 50.8              | 76.2     | 35.1                                         | 3                            | 0.75     | 0.049                                | 0.067    | 0.063    | 0.084    | 0.079    | 1.106    |
| 20                             | 3/4   | 26.7                      | 50.8              | 76.2     | 42.9                                         | 3                            | 0.75     | 0.064                                | 0.087    | 0.081    | 0.109    | 0.101    | 0.144    |
| 25                             | 1     | 33.4                      | 50.8              | 101.6    | 50.8                                         | 3                            | 0.75     | 0.082                                | 0.144    | 0.134    | 0.233    | 0.160    | 0.279    |
| 32                             | 1.1/4 | 42.4                      | 50.8              | 101.6    | 63.5                                         | 5                            | 0.75     | 0.109                                | 0.188    | 0.178    | 0.307    | 0.225    | 0.386    |
| 40                             | 1.1/2 | 48.3                      | 50.8              | 152.4    | 73.2                                         | 6                            | 0.75     | 0.129                                | 0.219    | 0.231    | 0.358    | 0.279    | 0.467    |
| 50                             | 2     | 60.3                      | 63.5              | 152.4    | 91.9                                         | 8                            | 0.75     | 0.204                                | 0.406    | 0.338    | 0.667    | 0.471    | 0.924    |
| 65                             | 2.1/2 | 73.0                      | 63.5              | 152.4    | 104.6                                        | 8                            | 0.75     | 0.313                                | 0.626    | 0.448    | 0.893    | 0.470    | 1.465    |
| 80                             | 3     | 88.9                      | 63.5              | 152.4    | 127.0                                        | 10                           | 0.75     | 0.400                                | 0.781    | 0.574    | 1.117    | 1.01     | 1.954    |
| 90                             | 3.1/2 | 101.6                     | 76.2              | 152.4    | 139.7                                        | 10                           | 0.75     | 0.522                                | 0.896    | 0.650    | 1.283    | 1.38     | 2.35     |
| 100                            | 4     | 114.3                     | 76.2              | 152.4    | 157.2                                        | 11                           | 0.75     | 0.606                                | 1.024    | 0.870    | 1.474    | 1.68     | 2.822    |
| 125                            | 5     | 141.3                     | 76.2              | 203.2    | 185.7                                        | 11                           | 1.5      | 0.985                                | 2.153    | 1.21     | 2.635    | 2.08     | 4.957    |
| 150                            | 6     | 168.3                     | 88.9              | 203.0    | 215.9                                        | 13                           | 1.5      | 1.34                                 | 2.591    | 1.64     | 3.174    | 3.37     | 6.482    |
| 200                            | 8     | 219.1                     | 101.6             | 203.2    | 269.7                                        | 13                           | 1.5      | 1.96                                 | 3.409    | 2.56     | 4.607    | 5.67     | 9.819    |
| 250                            | 10    | 273.1                     | 127               | 254.0    | 323.9                                        | 13                           | 1.5      | 3.57                                 | 6.389    | 4.39     | 7.843    | 9.55     | 17.023   |
| 300                            | 12    | 323.9                     | 152.4             | 254.0    | 381.0                                        | 13                           | 1.5      | 5.85                                 | 8.922    | 6.74     | 10.275   | 13.8     | 21.075   |
| 350                            | 14    | 355.6                     | 152.4             | 304.8    | 412.8                                        | 13                           | 1.5      | 6.55                                 | 11.571   | 7.49     | 13.912   | 16.88    | -        |
| 400                            | 16    | 406.4                     | 152.4             | 304.8    | 469.9                                        | 13                           | 1.5      | 7.778                                | 14.216   | 8.797    | 16.078   | -        | -        |
| 450                            | 18    | 457.2                     | 152.4             | 304.8    | 533.4                                        | 13                           | 1.5      | 9.009                                | 16.216   | 10.252   | 18.453   | -        | -        |
| 500                            | 20    | 508                       | 152.4             | 304.8    | 584.2                                        | 13                           | 1.5      | 11.102                               | 19.984   | 13.202   | 23.764   | -        | -        |
| 550                            | 22    | 559                       | 152.4             | 304.8    | 641.4                                        | 13                           | 1.5      | 12.763                               | 22.81    | 14.779   | 26.413   | -        | -        |
| 600                            | 24    | 610                       | 152.4             | 304.8    | 692.2                                        | 13                           | 1.5      | 16.132                               | 28.839   | 18.476   | 33.028   | -        | -        |



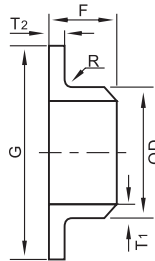
短型 Short Pattern



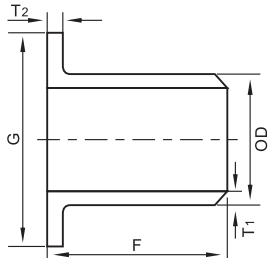
翻边接头  
Lap joint stub ends



翻边接头  
Lap joint stub ends



翻边接头  
Lap joint stub ends



翻边接头  
Lap joint stub ends

| 公称通径<br>Normalinal<br>pipe size DN | 端部外径<br>Outside Diameter at Bevel D |              | 长度<br>End to End<br>L | 圆角半径<br>Redius of fillet<br>R | 搭线直径<br>Diameter of lap<br>G |
|------------------------------------|-------------------------------------|--------------|-----------------------|-------------------------------|------------------------------|
|                                    | A系列 Series A                        | B系列 Series B |                       |                               |                              |
| 15                                 | 21.3                                | 18           | 38                    | 2                             | 46                           |
| 20                                 | 26.9                                | 25           | 40                    | 2                             | 56                           |
| 25                                 | 33.7                                | 32           | 40                    | 3                             | 65                           |
| 32                                 | 42.4                                | 38           | 42                    | 3                             | 76                           |
| 40                                 | 48.3                                | 45           | 45                    | 3                             | 84                           |
| 50                                 | 60.3                                | 57           | 48                    | 3                             | 99                           |
| 65                                 | 76.1                                | 76           | 48                    | 3                             | 118                          |
| 80                                 | 88.9                                | 89           | 50                    | 4                             | 132                          |
| 100                                | 114.3                               | 108          | 52                    | 4                             | 156                          |
| 125                                | 139.7                               | 133          | 55                    | 4                             | 184                          |
| 150                                | 168.3                               | 159          | 55                    | 4                             | 211                          |
| 200                                | 219.1                               | 219          | 62                    | 5                             | 266                          |
| 250                                | 273                                 | 273          | 70                    | 5                             | 319                          |
| 300                                | 323.9                               | 325          | 78                    | 5                             | 370                          |
| 350                                | 355.6                               | 377          | 82                    | 5                             | 429                          |
| 400                                | 406.4                               | 426          | 85                    | 5                             | 480                          |
| 450                                | 457                                 | 478          | 87                    | 5                             | 548                          |
| 500                                | 508                                 | 529          | 90                    | 6                             | 609                          |
| 600                                | 610                                 | 630          | 95                    | 6                             | 720                          |

翻边短接Stub End

本表尺寸适用 ( SE ) 对焊环套筒直观法兰 (HG20599-97)PN1.6Mpa.

客户要求不同压力及型号,请在合同上注明.

Size of this table is applicable(SE) to the weld ring elastic sleeve rigid visual flange (HG20599-97) PN1.6 Mpa.

Customers require different types of pressure, please indicate in the contract.

We can provide:

Stainless steel (304, 304L, 304H, 316, 316L, 316TI, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)

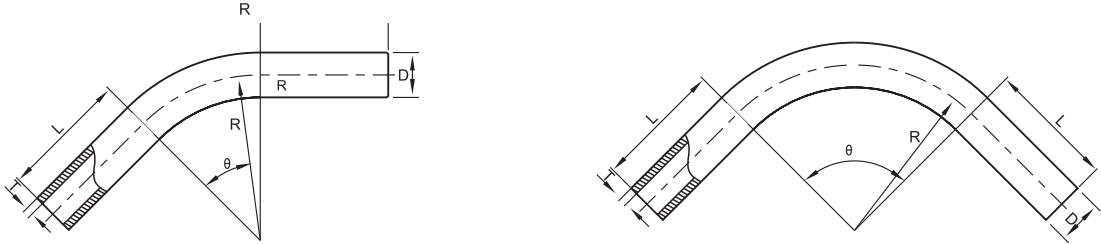
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760)

Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)

Our specialized products:

stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

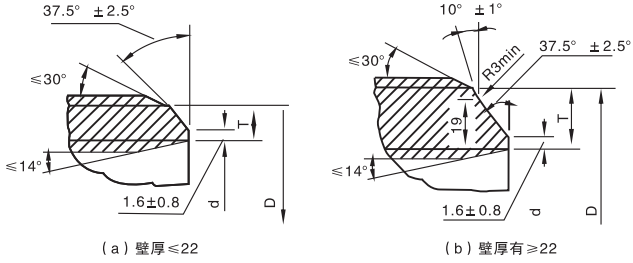
弯管BEND



| 项目<br>Item                    | 内容<br>Description                                                                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 标准<br>Standard                | 按DL/T515《电站弯管》、SY5257《钢制弯管》执行，<br>或按顾客提出的标准或技术要求执行according to DL/T 515《power station Bend》，<br>SY 5257《steel Bend》，or customer’ s techincal drawings |
| 材料<br>Material                | 碳钢、合金钢、不锈钢<br>carbon steel, alloy steel, stainless steel                                                                                              |
| 弯曲半径R<br>Bend Radius R        | R≤6000mm,且 R≥3D<br>(用R等于3D、4D、5D、6D、7D、8D、9D、10D来表示弯曲半径，D为管子外径)<br>R^3D(R=3D,4D,5D,6D,7D,8D,9D,10D) D：outside diameter                                |
| 弯曲角度 θ<br>Bend Angle θ        | 常用为15°、30°、45°、60°、9(T、135°和180°,也可按顾客提出的角度弯制<br>normally 15°,30°,45°,60°,90°,135°,180° or at customer’s option                                       |
| 直段长度L<br>Length of Straight L | 弯管两端段长度一般在300mm-1500mm,由顾客确定长度的大小<br>normally between 300mm and 1500mm in length of straight, It is at customer's option                              |
| 外径D<br>Outside Diameter D     | D ≤ 1220mm                                                                                                                                            |
| 壁厚T<br>Wall Thickness T       | T ≤120mm                                                                                                                                              |
| 端部坡口<br>End Bevel             | 按对焊管件焊端坡口结构型式执行<br>according to welding bevel of butt welding fitting                                                                                 |
| 重量<br>Weight                  | 重量/kg= $\frac{0.0433(D - T)TR\theta}{100000}$ +L(双端直管段重量)<br>Weight/kg L(Weight of DoubleSides Straight Length)                                       |

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

管件坡口形式  
Welding Bevel of Fittings  
GB/T12459, ASME/ANSI B169

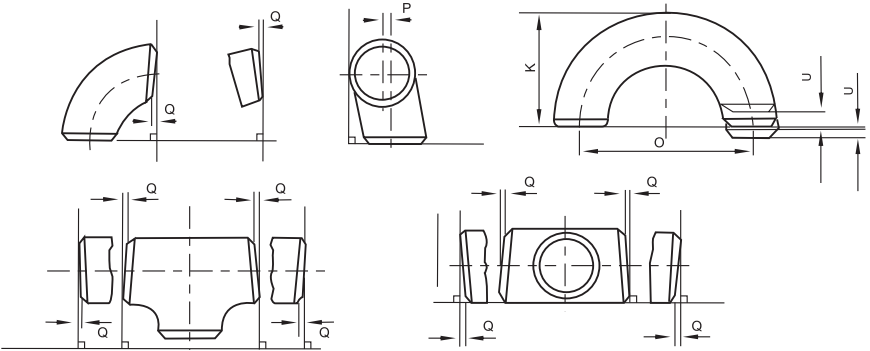


注：极限公差在不同标准中 可能会略有差异。  
Limiting tolerances can be slightly difference between the different standards and codes.

对焊管件尺寸公差 Tolerances for butt-welding fittings

| 项目              | 管件种类         | 公称通径DN        |        |              |              |              |
|-----------------|--------------|---------------|--------|--------------|--------------|--------------|
|                 |              | 15~65         | 80-100 | 125-200      | 250~450      | 500          |
|                 |              | 极限偏差          |        |              |              |              |
| 端部外径 D1、 D2、 D3 | 所有管件         | +1.6<br>-0.8  | ±1.6   | +2.4<br>-1.6 | +4.0<br>-3.2 | +6.4<br>-4.8 |
| 端部内径d1>         |              | ±0.8          | ±1.6   |              | ±3.2         | ±4.8         |
| 壁厚T、 T 1、 T 2   |              | 不小于公称壁厚的87.5% |        |              |              |              |
| 中心至端面B、 A       | 45°弯头、 90°弯头 | ±2            |        |              | ±3           |              |
| 中心至中心P          | 180°弯头       | ±7            |        |              | ±10          |              |
| 背面至端面K          |              | ±7            |        |              |              |              |
| 长度L             | 异径管          | ±2            |        |              | ±3           |              |
| 中心至端面C、 M       | 三通、 四通       | ±2            |        |              | ±3           |              |
| 全长E、 E1         | 管帽           | ±4            |        |              | ±7           |              |

GB/T12459 对焊管件形位公差表Angularity tolerance of butt-welding fittings



| 项目 | 管件种类         | 公称通径DN |         |         |         |         |
|----|--------------|--------|---------|---------|---------|---------|
|    |              | 15-100 | 125～200 | 250～300 | 350-400 | 450～500 |
|    |              | 公差     |         |         |         |         |
| Q  | 弯头、三通、异径管、四通 | 1      | 2       | 3       |         | 4       |
| P  | 弯头、三通、四通     | 2      | 4       | 5       | 7       | 10      |
| U  | 180°弯头       | 1      |         | 7       |         |         |

管件坡口形式  
Welding Bevel of Fittings  
GB/T12459, ASME/ANSI B169

对焊管件尺寸公差  
Tolerances for  
butt-welding fittings

GB/T12459 对焊管件  
形位公差表  
Angularity tolerance of  
butt-welding fittings

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes



GB/T 12459  
对焊管件形位公差表  
Angularity tolerance of  
butt-welding fittings

GB/T 13401  
对焊管件形位公差表  
Angularity tolerance of  
butt-welding fittings

注：1)除非用户有特殊要求，应优先保证端外径和公称壁厚的极限偏差  
2)对于异径管件，其尺寸偏差是按大径端的公称通制分给定的

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

| 项目          | 管件种类        | 公称通径范围        |        |         |         |      |
|-------------|-------------|---------------|--------|---------|---------|------|
|             |             | 15-65         | 80-100 | 125-200 | 250-450 | 500  |
|             |             | 极 限 偏 差       |        |         |         |      |
| 端部外径        | 所有管件        | +1.6          | ±1.6   | +2.4    | +4.0    | +6.4 |
|             |             | -0.8          |        | -1.6    | -3.2    | -4.8 |
| 端部内径        |             | ±0.8          | ±1.6   |         | ±3.2    | ±4.8 |
| 壁厚          |             | 不小于公称壁厚的87.5% |        |         |         |      |
| 中心至端部尺寸H、F  | 45°弯头、90°弯头 | ±2            |        |         | ±3      |      |
| 中心至中心尺寸P    | 180°弯头      | ±7            |        |         | ±10     |      |
| 背面至端部尺寸K    |             | ±7            |        |         |         |      |
| 长度L         | 异径接头        | ±2            |        |         | ±3      |      |
| 中心至端面尺寸C、M  | 三通          | ±2            |        |         | ±3      |      |
| 背面至端面尺寸E、E1 | 管帽          | ±4            |        |         | ±7      |      |

| 项目 | 管件种类         | 公称通径范围  |        |         |         |     |
|----|--------------|---------|--------|---------|---------|-----|
|    |              | 15-65   | 80-100 | 125-200 | 250-450 | 500 |
|    |              | 极 限 偏 差 |        |         |         |     |
| X  | 弯头、三通、异径管、四通 | 1       | 2      | 3       |         | 4   |
| Y  | 弯头、三通、四通     | 2       | 4      | 5       | 7       | 10  |
| U  | 180°弯头       | 1       |        |         | 2       |     |

注：1)除非用户有特殊要求，应优先保证端外径和公称壁厚的极限偏差

GB/T 13401 对焊管件形位公差表    Angularity tolerance of butt-welding fittings

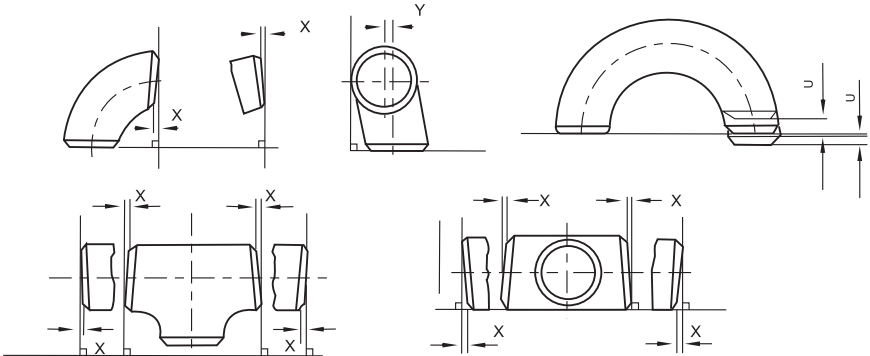
| 项目         | 管件种类        | 公称通径范围           |         |         |         |          |
|------------|-------------|------------------|---------|---------|---------|----------|
|            |             | 150-200          | 250-450 | 500-600 | 650-750 | 800-1200 |
|            |             | 极 限 偏 差          |         |         |         |          |
| 端部外径       | 所有管件        | ±2.4             | +4.0    | +6.4    |         |          |
| 端部内径1      |             | -1.6             | -3.2    | -4.8    |         |          |
| 壁厚         |             | ±1.6             | ±3.2    | ±4.8    |         |          |
|            |             | 不小于公称壁厚的87.5%    |         |         |         |          |
| 中心至端部尺寸H、F | 45°弯头、90°弯头 | -                | ±3      |         |         | ±5       |
| 长度L        | 异径接头        | -                | ±3      |         |         | ±5       |
| 中心至端面尺寸C、M | 三通四通        | -                | ±3      |         |         | ±5       |
| 背面至端面尺寸E   | 管帽          |                  | ±7      |         | ±10     |          |
| 端部最大最小外径差  | 所有管件        | 不大于0.01 DN,且不大于S |         |         |         |          |

| 项目    | 管件种类         | 公称通径范围  |         |         |          |           |
|-------|--------------|---------|---------|---------|----------|-----------|
|       |              | 350-400 | 400-600 | 650-750 | 800-1050 | 1100-1200 |
|       |              | 公 差     |         |         |          |           |
| 端面偏摆X | 弯头、三通异径接头、三通 | 3       | 4       | 5       |          |           |
| 中心偏摆Y | 弯头、三通、四通     | 7       | 10      |         | 13       | 19        |

| 项目              | 管件种类               | 公称通径DN(in.)    |        |   |                |                |                |       |       |
|-----------------|--------------------|----------------|--------|---|----------------|----------------|----------------|-------|-------|
|                 |                    | 1/2-21/2       | 3-31/2 | 4 | 5-8            | 10-18          | 20-24          | 26-30 | 32-48 |
|                 |                    | 极 限 偏 差        |        |   |                |                |                |       |       |
| 端部外径 D、D1、D2    | 所有管件               | +1.52<br>-0.76 | ±1.52  |   | +2.29<br>-1.52 | +4.06<br>-3.05 | +6.35<br>-4.83 |       |       |
| 端部内径d           |                    | ±0.76          | ±1.52  |   |                | ±3.05          | ±4.83          |       |       |
| 壁厚 T、 T1、T2     |                    | 不小于公称壁厚的87.5%  |        |   |                |                |                |       |       |
| 中心至端面 H、 F、C、 M | 45° 90°弯头<br>三通/四通 | ±1.52          |        |   |                | ±2.29          |                | ±3.05 | +4.83 |
| 中心至中心P          | 180°弯头             | ±6.35          |        |   |                | ±9.65          |                |       |       |
| 背面至端面K          |                    | ±6.35          |        |   |                |                |                |       |       |
| U               |                    | ±0.76          |        |   |                | ±1.52          |                |       |       |
| 长度L             | 异径管、翻边链接           | ±1.52          |        |   |                | ±2.29          |                | ±4.83 |       |
| 全 长E、 E 1       | 管帽                 | ±3.05          |        |   | ±6.35          |                |                | ±9.65 |       |
| 搭接直径G           | 翻边短接               | 0<br>-0.76     |        |   |                | 0<br>-1.52     |                |       |       |
| 搭接厚t 圆角半径R      |                    | +1.52<br>0     |        |   |                |                |                |       |       |
|                 |                    | 0<br>-0.76     |        |   |                | 0<br>-1.52     |                |       |       |

| 公称通径   |   | 1/2-4 | 5-8  | 10-12 | 14-16 | 18-24 | 26 -30 | 32 -42 | 44 -48 |
|--------|---|-------|------|-------|-------|-------|--------|--------|--------|
| 弯头、三通、 | X | 0.76  | 1.52 | 2.29  | 2.29  | 3.05  |        | 4.83   |        |
| 四通     | Y | 1.52  | 3.05 | 4.83  | 6.35  | 9.65  | 9.65   | 12.70  | 19.05  |

- 注：1)除非用户有特殊要求，应优先保证端外径和公称壁厚的极限偏差  
2) 端部内径为端部外径两倍的公称壁厚的差  
3) 圆度为外径正、负偏差绝对值之和



对焊管件形位公差表  
Angularity tolerance of  
butt-welding fittings  
ASME/ANSI  
B 16.9、B 16.28

We can provide:  
Stainless steel (304, 304L, 304H, 316, 316L, 316Ti, 316H, 321, 321H,347/H, 310S, 317L, 904L, S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205, S32750/2507, S32760) Special Alloy (N04400/400, N06625/625, N08825/825, N10276VC276, 800/800H, 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

外径和壁厚表

Outside diameter and wall thickness

GB/T 12459-2017

SCH5s、10s、20s 用于不锈钢管件

SCH5s、10s、20s applies for stainless steel fittings.

We can provide:

Stainless steel (304、304L、304H、316、316L、316Ti、316H、321、321H、347/H、310S、317L、904L、S31254/SM0254)

Duplex St©GI (S31803/S32205/2205、S32750/2507、S32760) Special Alloy (N04400/400、N06625/625、N08825/825、N10276VC276、800/800H、600/600H)

Our specialized products:

stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

| 公称<br>通径 | 外径<br>Outside<br>Diameter<br>D |     | 公称壁厚T<br>Nominal Wall Thickness |            |           |           |           |            |      |           |           |            |       |           |            |            |            |            |       |
|----------|--------------------------------|-----|---------------------------------|------------|-----------|-----------|-----------|------------|------|-----------|-----------|------------|-------|-----------|------------|------------|------------|------------|-------|
|          | A                              | B   | SCH<br>5s                       | SCH<br>10s | SCH<br>10 | SCH<br>20 | SCH<br>30 | SCH<br>40s | STD  | SCH<br>40 | SCH<br>60 | SCH<br>80s | XS    | SCH<br>80 | SCH<br>100 | SCH<br>120 | SCH<br>140 | SCH<br>160 | XXS   |
| 15       | 21.3                           | 18  | 1.65                            | 2.11       | -         | -         | -         | 2.77       | 2.77 | 2.77      | -         | 3.73       | 3.73  | 3.73      | -          | -          | -          | 4.78       | 7.47  |
| 20       | 26.9                           | 25  | 1.65                            | 2.11       | -         | -         | -         | 2.87       | 2.87 | 2.87      | -         | 3.91       | 3.91  | 3.91      | -          | -          | -          | 5.56       | 7.82  |
| 25       | 33.7                           | 32  | 1.65                            | 2.77       | -         | -         | -         | 3.38       | 3.38 | 3.38      | -         | 4.55       | 4.55  | 4.55      | -          | -          | -          | 6.35       | 9.09  |
| 32       | 42.4                           | 38  | 1.65                            | 2.77       | -         | -         | -         | 3.56       | 3.56 | 3.56      | -         | 4.85       | 5.08  | 4.85      | -          | -          | -          | 6.35       | 9.70  |
| 40       | 48.3                           | 45  | 1.65                            | 2.77       | -         | -         | -         | 3.68       | 3.68 | 3.68      | -         | 5.08       | 5.54  | 5.08      | -          | -          | -          | 7.14       | 10.15 |
| 50       | 60.3                           | 57  | 1.65                            | 2.77       | -         | -         | -         | 3.91       | 3.91 | 3.91      | -         | 5.54       | 8.08  | 5.54      | -          | -          | -          | 8.74       | 11.07 |
| 65       | 73.0                           | 76  | 2.11                            | 3.05       | -         | -         | -         | 5.16       | 5.16 | 5.16      | -         | 7.01       | 8.56  | 7.01      | -          | -          | -          | 9.53       | 14.02 |
| 80       | 88.9                           | 89  | 2.11                            | 3.05       | -         | -         | -         | 5.49       | 5.49 | 5.49      | -         | 7.62       | 9.53  | 7.62      | -          | -          | -          | 11.13      | 15.24 |
| 90       | 101.6                          | -   | 2.11                            | 3.05       | -         | -         | -         | 5.74       | 5.74 | 5.74      | -         | 8.08       | 10.97 | 8.08      | -          | -          | -          | -          | -     |
| 100      | 114.3                          | 108 | 2.11                            | 3.05       | -         | -         | -         | 6.02       | 6.02 | 6.02      | -         | 8.56       | 12.70 | 8.56      | -          | 11.13      | -          | 13.49      | 17.12 |
| 125      | 141.3                          | 133 | 2.77                            | 3.40       | -         | -         | -         | 6.55       | 6.55 | 6.55      | -         | 9.53       | 12.70 | 9.53      | -          | 12.70      | -          | 15.88      | 19.05 |
| 150      | 168.3                          | 159 | 2.77                            | 3.40       | -         | -         | -         | 7.11       | 7.11 | 7.11      | -         | 10.97      | 12.70 | 10.97     | -          | 14.27      | -          | 18.26      | 21.95 |
| 200      | 219.1                          | 219 | 2.77                            | 3.76       | -         | 6.35      | 7.04      | 8.18       | 8.18 | 8.18      | 10.31     | 12.70      | 12.70 | 12.70     | 15.09      | 18.26      | 20.62      | 23.01      | 22.23 |
| 250      | 273.0                          | 273 | 3.40                            | 4.57       | -         | 6.35      | 7.80      | 9.27       | 9.27 | 9.27      | 12.70     | 12.70      | 12.70 | 15.09     | 18.26      | 21.44      | 25.40      | 28.58      | 25.40 |
| 300      | 323.9                          | 325 | 3.96                            | 4.78       | -         | 6.35      | 8.38      | 9.53       | 9.53 | 10.31     | 14.27     | 12.70      | 12.70 | 17.48     | 21.44      | 25.40      | 28.58      | 33.32      | 25.40 |
| 350      | 355.6                          | 377 | 3.96                            | 4.78       | 6.35      | 7.92      | 9.53      | -          | 9.53 | 11.13     | 15.09     | -          | 12.70 | 19.05     | 23.83      | 27.79      | 31.75      | 35.71      | -     |
| 400      | 406.4                          | 426 | 4.19                            | 4.78       | 6.35      | 7.92      | 9.53      | -          | 9.53 | 12.70     | 16.66     | -          | 12.70 | 21.44     | 26.19      | 30.96      | 36.53      | 40.49      | -     |
| 450      | 457                            | 480 | 4.19                            | 5.54       | 6.35      | 7.92      | 11.13     | -          | 9.53 | 14.27     | 19.05     | -          | 12.70 | 23.83     | 29.36      | 34.93      | 39.67      | 45.24      | -     |
| 500      | 508                            | 530 | 4.78                            | 5.54       | 6.35      | 9.53      | 12.70     | -          | 9.53 | 15.09     | 20.62     | -          | 12.70 | 26.19     | 32.54      | 38.10      | 44.45      | 50.01      | -     |
| 550      | 559                            | -   | 4.78                            | 6.35       | 6.35      | 9.53      | 12.70     | -          | 9.53 | -         | 22.23     | -          | 12.70 | 28.58     | 34.93      | 41.28      | 47.63      | 53.98      | -     |
| 600      | 610                            | 630 | 5.54                            | 6.35       | 6.35      | 9.53      | 14.27     | -          | 9.53 | 17.48     | 24.61     | -          | 12.70 | 30.96     | 38.89      | 46.02      | 52.37      | 59.54      | -     |
| 650      | 660                            | -   | -                               | 6.35       | 7.92      | 12.70     | -         | -          | 9.53 | -         | -         | -          | 12.70 | -         | -          | -          | -          | -          | -     |
| 700      | 711                            | 720 | -                               | -          | 7.92      | 12.70     | 15.88     | -          | 9.53 | -         | -         | -          | 12.70 | -         | -          | -          | -          | -          | -     |
| 750      | 762                            | -   | 6.35                            | 7.92       | 7.92      | 12.70     | 15.88     | -          | 9.53 | 17.48     | -         | -          | 12.70 | -         | -          | -          | -          | -          | -     |
| 800      | 813                            | 820 | -                               | -          | 7.92      | 12.70     | 15.88     | -          | 9.53 | 17.48     | -         | -          | 12.70 | -         | -          | -          | -          | -          | -     |
| 850      | 964                            | -   | -                               | -          | 7.92      | 12.70     | 15.88     | -          | 9.53 | 19.05     | -         | -          | 12.70 | -         | -          | -          | -          | -          | -     |
| 900      | 914                            | -   | -                               | -          | 7.92      | 12.70     | 15.88     | -          | 9.53 | -         | -         | -          | 12.70 | -         | -          | -          | -          | -          | -     |
| 950      | 965                            | -   | -                               | -          | -         | -         | -         | -          | 9.53 | -         | -         | -          | -     | -         | -          | -          | -          | -          | -     |
| 1000     | 1016                           | -   | -                               | -          | -         | -         | -         | -          | 9.53 | -         | -         | -          | -     | -         | -          | -          | -          | -          | -     |
| 1050     | 1067                           | -   | -                               | -          | -         | -         | -         | -          | 9.53 | -         | -         | -          | -     | -         | -          | -          | -          | -          | -     |
| 1100     | 1118                           | -   | -                               | -          | -         | -         | -         | -          | 9.53 | -         | -         | -          | -     | -         | -          | -          | -          | -          | -     |
| 1150     | 1168                           | -   | -                               | -          | -         | -         | -         | -          | 9.53 | -         | -         | -          | -     | -         | -          | -          | -          | -          | -     |
| 1200     | 1219                           | -   | -                               | -          | -         | -         | -         | -          | 9.53 | -         | -         | -          | -     | -         | -          | -          | -          | -          | -     |

| 公称通径<br>Nominal<br>Pipe Size |      | 外径<br>Outside<br>Diameter | 公称壁厚T<br>Nominal Wall Thickness |            |           |           |           |            |      |           |           |            |       |           |            |            |            |            |       |
|------------------------------|------|---------------------------|---------------------------------|------------|-----------|-----------|-----------|------------|------|-----------|-----------|------------|-------|-----------|------------|------------|------------|------------|-------|
| DN                           | NPS  | D                         | SCH<br>5s                       | SCH<br>10s | SCH<br>10 | SCH<br>20 | SCH<br>30 | SCH<br>40s | STD  | SCH<br>40 | SCH<br>60 | SCH<br>80s | XS    | SCH<br>80 | SCH<br>100 | SCH<br>120 | SCH<br>140 | SCH<br>160 | XXS   |
| 6                            | 1/8  | 10.3                      |                                 | 1.24       | —         | —         | —         | 1.73       | 1.73 | 1.73      | —         | 2.41       | 2.41  | 2.41      | —          | —          | —          | —          | —     |
| 8                            | 1/4  | 13.7                      |                                 | 1.65       | —         | —         | —         | 2.24       | 2.24 | 2.24      | —         | 3.02       | 3.02  | 3.02      | —          | —          | —          | —          | —     |
| 10                           | 3/8  | 17.1                      |                                 | 1.65       | —         | —         | —         | 2.31       | 2.31 | 2.31      | —         | 3.20       | 3.20  | 3.20      | —          | —          | —          | —          | —     |
| 15                           | 1/2  | 21.3                      | 1.65                            | 2.11       | —         | —         | —         | 2.77       | 2.77 | 2.77      | —         | 3.73       | 3.73  | 3.73      | —          | —          | —          | 4.78       | 7.47  |
| 20                           | 3/4  | 26.7                      | 1.65                            | 2.11       | —         | —         | —         | 2.87       | 2.87 | 2.87      | —         | 3.91       | 3.91  | 3.91      | —          | —          | —          | 5.56       | 7.82  |
| 25                           | 1    | 33.4                      | 1.65                            | 2.77       | —         | —         | —         | 3.38       | 3.38 | 3.38      | —         | 4.55       | 4.55  | 4.55      | —          | —          | —          | 6.35       | 9.09  |
| 32                           | 11/4 | 42.2                      | 1.65                            | 2.77       | —         | —         | —         | 3.56       | 3.56 | 3.56      | —         | 4.85       | 4.85  | 4.85      | —          | —          | —          | 6.35       | 9.70  |
| 40                           | 11/2 | 48.3                      | 1.65                            | 2.77       | —         | —         | —         | 3.68       | 3.68 | 3.68      | —         | 5.08       | 5.08  | 5.8       | —          | —          | —          | 7.14       | 10.15 |
| 50                           | 2    | 60.3                      | 1.65                            | 2.77       | —         | —         | —         | 3.91       | 3.91 | 3.91      | —         | 5.54       | 5.54  | 5.54      | —          | —          | —          | 8.74       | 11.07 |
| 65                           | 21/2 | 73.0                      | 2.11                            | 3.05       | —         | —         | —         | 5.16       | 5.16 | 5.16      | —         | 7.01       | 7.01  | 7.01      | —          | —          | —          | 9.53       | 14.02 |
| 80                           | 3    | 88.9                      | 2.11                            | 3.05       | —         | —         | —         | 5.49       | 5.49 | 5.49      | —         | 7.62       | 7.62  | 7.62      | —          | —          | —          | 11.13      | 15.24 |
| 90                           | 31/2 | 101.6                     | 2.11                            | 3.05       | —         | —         | —         | 5.74       | 5.74 | 5.74      | —         | 8.08       | 8.08  | 8.08      | —          | —          | —          | —          | —     |
| 100                          | 4    | 114.3                     | 2.11                            | 3.05       | —         | —         | —         | 6.02       | 6.02 | 6.02      | —         | 8.56       | 8.56  | 8.56      | —          | 11.13      | —          | 13.49      | 17.12 |
| 125                          | 5    | 141.3                     | 2.77                            | 3.40       | —         | —         | —         | 6.55       | 6.55 | 6.55      | —         | 9.53       | 9.53  | 9.53      | —          | 12.70      | —          | 15.88      | 19.05 |
| 150                          | 6    | 168.3                     | 2.77                            | 3.40       | —         | —         | —         | 7.11       | 7.11 | 7.11      | —         | 10.97      | 10.97 | 10.97     | —          | 14.27      | —          | 18.26      | 21.95 |
| 200                          | 8    | 219.1                     | 2.77                            | 3.76       | —         | 6.35      | 7.04      | 8.18       | 8.18 | 8.18      | 10.31     | 12.70      | 12.70 | 12.70     | 15.09      | 18.26      | 20.62      | 23.01      | 22.23 |
| 250                          | 10   | 273.1                     | 3.40                            | 4.19       | —         | 6.35      | 7.80      | 9.27       | 9.27 | 9.27      | 12.70     | 12.70      | 12.70 | 15.09     | 18.26      | 21.44      | 25.40      | 28.58      | 25.40 |
| 300                          | 12   | 323.9                     | 3.96                            | 4.57       | —         | 6.35      | 8.38      | 9.53       | 9.53 | 10.31     | 14.27     | 12.70      | 12.70 | 17.48     | 21.44      | 25.40      | 28.58      | 33.32      | 25.40 |
| 350                          | 14   | 355.6                     | 3.96                            | 4.78       | 6.35      | 7.92      | 9.53      | —          | 9.53 | 11.13     | 15.09     | —          | 12.70 | 19.05     | 23.83      | 27.79      | 31.75      | 35.71      | —     |
| 400                          | 16   | 406.4                     | 4.19                            | 4.78       | 6.35      | 7.92      | 9.53      | —          | 9.53 | 12.70     | 16.66     | —          | 12.70 | 21.44     | 26.19      | 30.96      | 36.53      | 40.49      | —     |
| 450                          | 18   | 457.2                     | 4.19                            | 4.78       | 6.35      | 7.92      | 11.13     | —          | 9.53 | 14.27     | 19.05     | —          | 12.70 | 23.83     | 29.36      | 34.93      | 39.67      | 42.24      | —     |
| 500                          | 20   | 508                       | 4.78                            | 5.54       | 6.35      | 9.53      | 12.70     | —          | 9.53 | 15.09     | 20.62     | —          | 12.70 | 26.19     | 32.54      | 38.10      | 44.45      | 50.01      | —     |
| 550                          | 22   | 559                       | 4.78                            | 5.54       | 6.35      | 9.53      | 12.70     | —          | 9.53 | —         | 22.23     | —          | 12.70 | 28.58     | 34.93      | 41.28      | 47.63      | 53.98      | —     |
| 600                          | 24   | 610                       | 5.54                            | 6.35       | 6.35      | 9.53      | 14.27     | —          | 9.53 | 17.48     | 24.61     | —          | 12.70 | 30.96     | 38.89      | 46.02      | 52.37      | 59.54      | —     |
| 650                          | 26   | 660                       | —                               | —          | 7.92      | 12.70     | —         | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 700                          | 28   | 711                       | —                               | —          | 7.92      | 12.70     | 15.88     | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 750                          | 30   | 762                       | 6.35                            | 7.92       | 7.92      | 12.70     | 15.88     | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 800                          | 32   | 813                       | —                               | —          | 7.92      | 12.70     | 15.88     | —          | 9.53 | 17.48     | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 850                          | 34   | 864                       | —                               | —          | 7.92      | 12.70     | 15.88     | —          | 9.53 | 17.48     | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 900                          | 36   | 914                       | —                               | —          | 7.92      | 12.70     | 15.88     | —          | 9.53 | 19.05     | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 950                          | 38   | 965                       | —                               | —          | —         | —         | —         | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 1000                         | 40   | 1016                      | —                               | —          | —         | —         | —         | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 1050                         | 42   | 1067                      | —                               | —          | —         | —         | —         | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 1100                         | 44   | 1118                      | —                               | —          | —         | —         | —         | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 1150                         | 46   | 1168                      | —                               | —          | —         | —         | —         | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |
| 1200                         | 48   | 1219                      | —                               | —          | —         | —         | —         | —          | 9.53 | —         | —         | —          | 12.70 | —         | —          | —          | —          | —          | —     |

外径和壁厚表

Outside diameter and wall thickness

Sh3408、Sh3409

壁厚表后带S者仅适用于奥氏体不锈钢管件。

此表是SH3408标准中无缝管件的公称壁厚；

Sh3408标准中钢板制管件的壁厚直接用毫米给出。

Schedule with the suffix "s" only applies for Austenitic stainless steel fittings.

This list applies for the nominal schedule of seamless steel fittings for SH 3408 standard; the schedule of wrought steel fittings for SH 3408 standard uses the millimeter system.



外径和壁厚表

Outside diameter and wall thickness

JISB2311、B2312、B2313

SCH5s、10s、20s、40s、80s  
用于不锈钢管件  
SCH5s、10s、20s、40s、80s  
applies for stainless steel fittings.

We can provide:  
Stainless steel (304、304L、304H、316、316L、316Ti、316H、321、321H、347/H、310S、317L、904L、S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205、S32750/2507、S32760) Special Alloy (N04400/400、N06625/625、N08825/825、N10276VC276、800/800H、600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

| 公称通径<br>Nominal Pipe Size |       | 外径<br>Outside Diameter |     | 公称壁厚T<br>Nominal Wall Thickness |         |        |        |        |         |     |        |        |         |      |        |         |         |         |         |      |
|---------------------------|-------|------------------------|-----|---------------------------------|---------|--------|--------|--------|---------|-----|--------|--------|---------|------|--------|---------|---------|---------|---------|------|
| DN                        | NPS   | D                      | SGP | SCH 5s                          | SCH 10s | SCH 10 | SCH 20 | SCH 30 | SCH 40s | STD | SCH 40 | SCH 60 | SCH 80s | XS   | SCH 80 | SCH 100 | SCH 120 | SCH 140 | SCH 160 | XXS  |
| 15                        | 1/2   | 21.7                   | 2.8 | 1.65                            | 2.1     | —      | 2.5    | —      | 2.8     | 2.8 | 2.8    | —      | 3.7     | 3.7  | 3.7    | —       | —       | —       | 4.8     | 7.5  |
| 20                        | 3/4   | 27.2                   | 2.8 | 1.65                            | 2.1     | —      | 2.5    | —      | 2.9     | 2.9 | 2.9    | —      | 3.9     | 3.9  | 3.9    | —       | —       | —       | 5.6     | 7.8  |
| 25                        | 1     | 34.0                   | 3.2 | 1.65                            | 2.8     | —      | 3.0    | —      | 3.4     | 3.4 | 3.4    | —      | 4.5     | 4.5  | 4.5    | —       | —       | —       | 6.4     | 9.1  |
| 32                        | 1 1/4 | 42.7                   | 3.5 | 1.65                            | 2.8     | —      | 3.0    | —      | 3.6     | 3.6 | 3.6    | —      | 4.9     | 4.9  | 4.9    | —       | —       | —       | 6.4     | 9.7  |
| 40                        | 1 1/2 | 48.6                   | 3.5 | 1.65                            | 2.8     | —      | 3.0    | —      | 3.7     | 3.7 | 3.7    | —      | 5.1     | 5.1  | 5.1    | —       | —       | —       | 7.1     | 10.2 |
| 50                        | 2     | 60.5                   | 3.8 | 1.65                            | 2.8     | —      | 3.5    | —      | 3.9     | 3.9 | 3.9    | —      | 5.5     | 5.5  | 5.5    | —       | —       | —       | 8.7     | 11.1 |
| 65                        | 2 1/2 | 76.3                   | 4.2 | 2.1                             | 3.0     | —      | 3.5    | —      | 5.2     | 5.2 | 5.2    | —      | 7.0     | 7.0  | 7.0    | —       | —       | —       | 9.5     | 14.0 |
| 80                        | 3     | 89.1                   | 4.2 | 2.1                             | 3.0     | —      | 4.0    | —      | 5.2     | 5.5 | 5.2    | —      | 7.6     | 7.6  | 7.6    | —       | —       | —       | 11.1    | 15.2 |
| 90                        | 3 1/2 | 101.6                  | 4.2 | 2.1                             | 3.0     | —      | 4.0    | —      | 5.7     | 5.7 | 5.7    | —      | 8.1     | 8.1  | 8.1    | —       | —       | —       | -       | -    |
| 100                       | 4     | 114.3                  | 4.5 | 2.1                             | 3.0     | —      | 4.0    | —      | 6.0     | 6.0 | 6.0    | —      | 8.6     | 8.6  | 8.6    | —       | 11.1    | —       | 13.5    | 17.1 |
| 125                       | 5     | 139.8                  | 4.5 | 2.8                             | 3.4     | —      | 5.0    | —      | 6.6     | 6.6 | 6.6    | —      | 9.5     | 9.5  | 9.5    | —       | 12.7    | —       | 15.9    | 19.0 |
| 150                       | 6     | 165.2                  | 5.0 | 2.8                             | 3.4     | —      | 5.0    | —      | 7.1     | 7.1 | 7.1    | —      | 11.0    | 11.0 | 11.0   | —       | 14.3    | —       | 18.2    | 21.9 |
| 200                       | 8     | 216.3                  | 5.8 | 2.8                             | 4.0     | —      | 6.5    | 7.0    | 8.2     | 8.2 | 8.2    | 10.3   | 12.7    | 12.7 | 12.7   | 15.1    | 18.2    | 20.6    | 23.0    | 22.2 |
| 250                       | 10    | 267.4                  | 6.6 | 3.4                             | 4.0     | —      | 6.5    | 7.8    | 9.3     | 9.3 | 9.3    | 12.7   | 12.7    | 12.7 | 15.1   | 18.3    | 21.4    | 25.4    | 28.6    | 25.4 |
| 300                       | 12    | 318.5                  | 6.9 | 4.0                             | 4.5     | —      | 6.5    | 8.4    | 9.5     | 9.5 | 10.3   | 14.3   | 12.7    | 12.7 | 17.4   | 21.4    | 25.4    | 28.6    | 33.3    | 25.4 |
| 350                       | 14    | 355.6                  | 7.9 | 4.0                             | 5.0     | 6.4    | 8.0    | 9.5    | 9.5     | 9.5 | 11.1   | 15.1   | —       | 12.7 | 19.0   | 23.8    | 27.8    | 31.8    | 35.7    | —    |
| 400                       | 16    | 406.4                  | 7.9 | 4.5                             | 5.0     | 6.4    | 8.0    | 9.5    | 9.5     | 9.5 | 12.7   | 16.1   | —       | 12.7 | 21.4   | 26.2    | 30.9    | 36.5    | 40.5    | —    |
| 450                       | 18    | 457.2                  | 7.9 | 4.5                             | 5.0     | 6.4    | 8.0    | 11.1   | 9.5     | 9.5 | 14.3   | 19.0   | —       | 12.7 | 23.8   | 29.4    | 34.9    | 39.7    | 45.2    | —    |
| 500                       | 20    | 508.0                  | 7.9 | 5.0                             | 5.5     | 6.4    | 9.5    | 12.7   | 9.5     | 9.5 | 15.1   | 20.6   | —       | 12.7 | 26.2   | 32.5    | 38.1    | 44.4    | 50.0    | —    |
| 550                       | 22    | 558.8                  | —   | 5.0                             | 5.5     | 6.4    | 9.5    | 12.7   | 9.5     | 9.5 | 15.9   | 22.2   | —       | 12.7 | 28.6   | 34.9    | 41.3    | 47.6    | 54.0    | —    |
| 600                       | 24    | 609.6                  | —   | 5.5                             | 6.5     | 6.4    | 9.5    | 14.3   | 9.5     | 9.5 | 17.5   | 24.6   | —       | 12.7 | 31.0   | 38.9    | 46.0    | 52.4    | 59.5    | —    |
| 650                       | 26    | 660.4                  | —   | 5.5                             | 8.0     | 7.9    | 12.7   | -      | -       | 9.5 | -      | —      | —       | 12.7 | 34.0   | —       | —       | —       | —       | —    |
| 700                       | 28    | 711.2                  | —   | 5.5                             | 8.0     | 7.9    | 12.7   | 15.9   | -       | 9.5 | 17.5   | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 750                       | 30    | 762.0                  | —   | 6.5                             | 8.0     | 7.9    | 12.7   | 15.9   | 9.5     | 9.5 | 17.5   | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 800                       | 32    | 812.8                  | —   | —                               | 8.0     | 7.9    | 12.7   | 15.9   | —       | 9.5 | 17.5   | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 850                       | 34    | 863.6                  | —   | —                               | 8.0     | 7.9    | 12.7   | 15.9   | —       | 9.5 | 17.5   | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 900                       | 36    | 914.4                  | —   | —                               | 8.0     | 7.9    | 12.7   | 15.9   | —       | 9.5 | 19.1   | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 950                       | 38    | 965.2                  | —   | —                               | -       | —      | -      | —      | —       | 9.5 | -      | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 1000                      | 40    | 1016.0                 | —   | —                               | 9.5     | —      | 14.3   | —      | —       | 9.5 | 26.2   | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 1050                      | 42    | 1066.8                 | —   | —                               | —       | —      | —      | —      | —       | 9.5 | —      | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 1100                      | 44    | 1117.6                 | —   | —                               | —       | —      | —      | —      | —       | 9.5 | —      | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 1150                      | 46    | 1168.4                 | —   | —                               | —       | —      | —      | —      | —       | 9.5 | —      | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |
| 1200                      | 48    | 1219.2                 | —   | —                               | —       | —      | —      | —      | —       | 9.5 | —      | —      | —       | 12.7 | —      | —       | —       | —       | —       | —    |

| 标准           | GB<br>钢号 | 化学成份(%)<br>Chemicalcomposition (%) |      |      |       |       |             |             | 机械性能<br>Mechanicalproperties |                  |                          |                           |       |          |
|--------------|----------|------------------------------------|------|------|-------|-------|-------------|-------------|------------------------------|------------------|--------------------------|---------------------------|-------|----------|
|              |          | C≤                                 | Mn≤  | si≤  | s≤    | p≤    | Cr          | Ni          | Mo                           | 其它               | Ct <sub>b</sub><br>(Mpa) | a <sub>0.5</sub><br>(Mpa) | 6 (%) | HBW<br>≤ |
| GTO/T13401   | Sf304    | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 17.50-20.00 | 8.00-11.00  |                              |                  | 515                      | 205                       | 30    | 201      |
|              | SF304L   | 0.03                               | 2.00 | 1.00 | 0.03  | 0.045 | 17.50-20.00 | 8.00-13.00  |                              |                  | 480                      | 170                       | 30    | 201      |
|              | SF321    | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 17.00-19.00 | 9.00-12.00  |                              | Ti:5C-0.70       | 515                      | 205                       | 30    | 201      |
|              | SF316    | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 16.00-18.00 | 10.00-14.00 | 2.00-3.00                    |                  | 515                      | 205                       | 30    | 201      |
|              | SF316L   | 0.03                               | 2.00 | 1.00 | 0.03  | 0.045 | 16.00-18.00 | 10.00-15.00 | 2.00-3.00                    |                  | 480                      | 170                       | 30    | 201      |
|              | SF310    | 0.10                               | 2.00 | 1.50 | 0.03  | 0.045 | 24.00-26.00 | 19.00-22.00 |                              |                  | 515                      | 205                       | 30    | 201      |
|              | SF347    | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 17.00-20.00 | 9.00-13.00  |                              | Nb:10C-1.10      | 515                      | 205                       | 30    | 201      |
| ASTMA403     | S30400   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 18.00-20.00 | 8.00-11.00  |                              |                  | 515                      | 205                       | 28    |          |
|              | S30403   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 18.00-20.00 | 8.00-12.00  |                              |                  | 485                      | 170                       | 28    |          |
|              | S32100   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 17.00-19.00 | 9.00-12.00  |                              | Tl:5X(C+N2)-0.70 | 515                      | 205                       | 28    |          |
|              | S31600   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 16.00-18.00 | 10.00-14.00 | 2.0-3.0                      |                  | 515                      | 205                       | 28    |          |
|              | S31603   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 16.00-18.00 | 10.00-14.00 | 2.0-3.0                      |                  | 485                      | 170                       | 28    |          |
|              | S31700   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 18.00-20.00 | 11.00-15.00 | 3.0-4.0                      |                  | 515                      | 205                       | 28    |          |
|              | S31703   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 18.00-20.00 | 11.00-15.00 | 3.0-4.0                      |                  | 515                      | 205                       | 28    |          |
|              | S310S    | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 24.00-26.00 | 19.00-22.00 |                              |                  | 515                      | 205                       | 28    |          |
|              | S34700   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 17.00-19.00 | 9.00-12.00  |                              | Nb:10C-1.10      | 515                      | 205                       | 28    |          |
| E5553-4      | 1.4301   | 0.07                               | 2.00 | 1.00 | 0.015 | 0.045 | 17.00-19.50 | 8.00-10.50  |                              |                  | 500-700                  | 195                       | 40    |          |
|              | 1.4307   | 0.03                               | 2.00 | 1.00 | 0.015 | 0.045 | 17.50-19.50 | 8.00-10.00  |                              |                  | 470-670                  | 180                       | 40    |          |
|              | 1.4541   | 0.08                               | 2.00 | 1.00 | 0.015 | 0.045 | 17.00-19.00 | 9.00-12.00  |                              | T1:5XC-0.70      | 500-730                  | 200                       | 35    |          |
|              | 1.4401   | 0.07                               | 2.00 | 1.00 | 0.015 | 0.045 | 16.50-18.50 | 10.00-13.00 | 2.00-2.5                     |                  | 510-710                  | 205                       | 40    |          |
|              | 1.4404   | 0.03                               | 2.00 | 1.00 | 0.015 | 0.045 | 16.50-18.50 | 10.00-13.00 | 2.00-2.5                     | T1:5XC-0.70      | 490-690                  | 190                       | 40    |          |
|              | 1.4571   | 0.08                               | 2.00 | 1.00 | 0.015 | 0.045 | 16.50-18.50 | 10.50-13.50 | 2.00-2.5                     | Nb:10C-1.00      | 500-730                  | 210                       | 35    |          |
|              | 1.4550   | 0.08                               | 2.00 | 1.00 | 0.015 | 0.045 | 17.00-19.00 | 9.00-12.00  |                              |                  | 510-740                  | 205                       | 35    |          |
| IS 3459/3468 | SUS304   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 18.00-20.00 | 8.00-10.50  |                              |                  | 520                      | 205                       | 35    |          |
|              | SUS304L  | 0.03                               | 2.00 | 1.00 | 0.03  | 0.045 | 18.00-20.00 | 9.00-13.00  |                              |                  | 480                      | 175                       | 35    |          |
|              | SUS321   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 17.00-19.00 | 9.00-13.00  |                              | T1:5XC以上         | 520                      | 205                       | 35    |          |
|              | SUS316   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 16.00-18.00 | 10.00-14.00 | 2.00-3.00                    |                  | 520                      | 205                       | 35    |          |
|              | SUS316L  | 0.03                               | 2.00 | 1.00 | 0.03  | 0.045 | 16.00-18.00 | 12.00-15.00 | 2.00-3.00                    |                  | 480                      | 175                       | 35    |          |
|              | SUS317   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 18.00-20.00 | 11.00-15.00 | 3.00-4.00                    |                  | 520                      | 205                       | 35    |          |
|              | SUS317L  | 0.03                               | 2.00 | 1.00 | 0.03  | 0.045 | 18.00-20.00 | 11.00-15.00 | 3.00-4.00                    |                  | 480                      | 175                       | 35    |          |
|              | SUS310S  | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 24.00-26.00 | 19.00-22.00 |                              |                  | 520                      | 205                       | 35    |          |
|              | SUS347   | 0.08                               | 2.00 | 1.00 | 0.03  | 0.045 | 17.00-19.00 | 9.00-13.00  |                              | Nb:10C以上         | 520                      | 205                       | 35    |          |

奥氏体不绣钢化学成分对照表

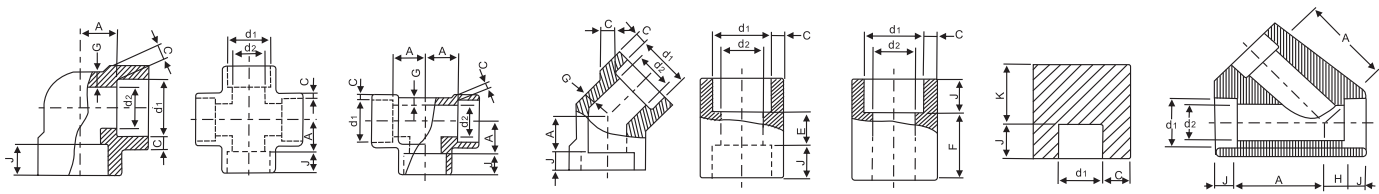
Chemical composition table of stainless steel

We can provide:  
Stainless steel (304、304L、304H、316、316L、316Ti、316H、321、321H、347/H、310S、317L、904L、S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205、S32750/2507、S32760) Special Alloy (N04400/400、N06625/625、N08825/825、N10276VC276、800/800H、600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

中外不锈钢牌号对照表  
Comparison table between  
domestic and foreign  
stainless steel grades

| 序号 | 类别     | 中国 GB                     | 美国 AISUASTM  | 日本JIS     | 欧洲EN              |        |
|----|--------|---------------------------|--------------|-----------|-------------------|--------|
| 1  | 奥氏体不锈钢 | 06Cr19Ni10                | 304、S30400   | SUS304    | X5CrNi18-10       | 1.4301 |
| 2  |        | 022Cr19Ni10. S30403       | 304L' S30403 | SUS304L   | X2CrNi19-11       | 1.4307 |
| 3  |        | 07Cr19Ni11Ti、S32169       | 321H、S32109  | SUS321H   | X7CrNi18-10       | 1.4541 |
| 4  |        | 06Cr18Ni11Ti、S32168       | 321、S32100   | SUS321    | X6CrNi18-10       | 1.4541 |
| 5  |        | 06Cr17Ni12Mo2. S31608     | 316、S31600   | SUS316    | X5CrNiMo17-12-2   | 1.4401 |
| 6  |        | 022Cr17Ni12Mo2、S31603     | 316L、S31603  | SUS316L   | X2Cr_o17-12-2     | 1.4404 |
| 7  |        | 06Cr17Ni12Mo3Ti、S31668    | 316Ti、S31635 | SUS316Ti  | X6CrNiMoTi17-12-2 | 1.4571 |
| 8  |        | 06Cr19Ni13Mo3. S31708     | 317、S31700   | SUS317    | —                 | —      |
| 9  |        | 022Cr19Ni13Mo3、S31703     | 317L' S31703 | SUS317L   | X2CrNiMo19-14-4   | 1.4438 |
| 10 |        | 06Cr25Ni20. S31008        | 310S' S31008 | SUS310S   | X12CrNi23-12      | 1.4845 |
| 11 | 双相不锈钢  | 06Cr18Ni11N6、S34778       | 347、S34700   | SUS347    | X6CrNiNb18-10     | 1.4550 |
| 12 |        | 022Cr22Ni5Mo3N, S22253    | S31803       | SUS329J3L | X2CrMoN22-5-3     | 1.4462 |
| 13 |        | 022Cr19Ni5Mo3Si2N, S21953 | S31500       | —         | —                 | —      |
| 14 |        | 03Cr25Ni6Mo3Cu2N% S25554  | S32550、255   | SUS329J4L | X2CrMoCuN25-6-3   | 1.4507 |
| 15 |        | 022Cr25Ni6Mo2N> S22553    | S31200       | —         | X3CrMoN27-5-2     | 1.4460 |
| 16 |        | 022Cr25Ni7Mo4N' S25073    | S32750' 2507 | —         | X2Cr_oN25-7-4     | 1.4410 |
| 17 |        | 022Cr23Ni5Mo3N            | S32205、2205  | —         | —                 | —      |

We can provide:  
Stainless steel (304. 304L. 304H. 316. 316L, 316Ti. 316H. 321. 321H.347/H. 310S. 317L. 904L. S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205. S32750/2507. S32760) Special Alloy (N04400/400. N06625/625. N08825/825. N10276VC276. 800/800H. 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes



| 中心至承插孔底<br>Center To Bottom of Socket |                                        |     |                                                                            |          |          |                                                |          |          | 结构长度<br>Laying Length  |                                | 管帽顶厚<br>End Wall Thickness<br>Class Designation<br>Min K |      |      | 中心至承插孔底<br>Center To Bottom<br>of Socket<br>45° 斜三通Lateral |      |      |               |                |
|---------------------------------------|----------------------------------------|-----|----------------------------------------------------------------------------|----------|----------|------------------------------------------------|----------|----------|------------------------|--------------------------------|----------------------------------------------------------|------|------|------------------------------------------------------------|------|------|---------------|----------------|
| 公称<br>通径<br>Nom.<br>Pipe<br>Size      | 承插孔<br>深度<br>Depth of<br>Socket<br>Min |     | 90° 弯头、三通、四通<br>90° Elbows, Tees,<br>and Crosses<br>Class Designation<br>A |          |          | 45° 弯头<br>45° Elbows<br>Class Designation<br>A |          |          | 双承口<br>管箍<br>Couplings | 单承口<br>管箍<br>Half<br>Couplings |                                                          |      |      | A                                                          |      | H    |               |                |
|                                       | DN                                     | NPS | J                                                                          | 3000     | 6000     | 9000                                           | 3000     | 6000     |                        |                                | 9000                                                     | E    | F    | 3000                                                       | 6000 | 9000 | 3000<br>sch80 | 6000<br>sch160 |
| 6                                     | 1/8                                    | 10  | 12<br>10                                                                   | 12<br>10 |          | 9<br>7                                         | 9<br>7   |          | 8<br>5                 | 17<br>15                       | 5.0                                                      | 6.5  | —    | —                                                          | —    | —    | —             | —              |
| 8                                     | 1/4                                    | 10  | 12<br>10                                                                   | 17<br>13 |          | 9<br>7                                         | 9<br>7   |          | 8<br>5                 | 17<br>15                       | 5.0                                                      | 6.5  | —    | 32                                                         | —    | 8    | —             | —              |
| 10                                    | 3/8                                    | 10  | 15<br>12                                                                   | 17<br>14 |          | 9<br>6                                         | 13<br>10 |          | 9<br>6                 | 19<br>16                       | 5.0                                                      | 6.5  | —    | 37                                                         | —    | 8    | —             | —              |
| 15                                    | 1/2                                    | 10  | 17<br>14                                                                   | 21<br>18 | 27<br>24 | 13<br>10                                       | 14<br>11 | 17<br>14 | 13<br>6                | 24<br>21                       | 6.5                                                      | 8.0  | 11.0 | 41                                                         | 51   | 11   | 13            | —              |
| 20                                    | 3/4                                    | 13  | 21<br>18                                                                   | 24<br>21 | 30<br>27 | 14<br>11                                       | 16<br>13 | 21<br>17 | 13<br>6                | 25<br>22                       | 6.5                                                      | 8.0  | 12.5 | 51                                                         | 60   | 13   | 14            | —              |
| 20                                    | 1                                      | 13  | 24<br>20                                                                   | 29<br>25 | 34<br>30 | 16<br>12                                       | 19<br>15 | 23<br>19 | 17<br>9                | 31<br>27                       | 9.5                                                      | 11.0 | 14.0 | 60                                                         | 71   | 14   | 18            | —              |
| 32                                    | 1 1/4                                  | 13  | 29<br>25                                                                   | 34<br>30 | 37<br>33 | 19<br>15                                       | 23<br>19 | 24<br>20 | 17<br>9                | 32<br>28                       | 9.5                                                      | 11.0 | 14.0 | 71                                                         | 81   | 18   | 21            | —              |
| 40                                    | 1 1/2                                  | 13  | 34<br>30                                                                   | 40<br>36 | 40<br>36 | 23<br>19                                       | 27<br>23 | 28<br>23 | 17<br>9                | 34<br>30                       | 11.0                                                     | 12.5 | 16.0 | 81                                                         | 98   | 21   | 25            | —              |
| 50                                    | 2                                      | 16  | 40<br>36                                                                   | 43<br>39 | 56<br>52 | 27<br>23                                       | 31<br>27 | 31<br>26 | 23<br>15               | 43<br>39                       | 12.5                                                     | 16.0 | 19.0 | 98                                                         | 120  | 25   | 29            | —              |
| 65                                    | 2 1/2                                  | 16  | 44<br>39                                                                   |          |          | 31<br>27                                       |          |          | 24<br>14               | 45<br>40                       | 16.0                                                     | 19.0 |      | —                                                          | —    | —    | —             | —              |
| 80                                    | 3                                      | 16  | 60<br>55                                                                   |          |          | 34<br>29                                       |          |          | 24<br>14               | 47<br>42                       | 19.0                                                     | 22.0 |      | —                                                          | —    | —    | —             | —              |
| 100                                   | 4                                      | 19  | 69<br>64                                                                   |          |          | 44<br>39                                       |          |          | 24<br>14               | 50<br>45                       | 22.0                                                     | 28.5 |      | —                                                          | —    | —    | —             | —              |

承插管件  
Socket Welding  
Fittings

We can provide:  
Stainless steel (304. 304L. 304H. 316. 316L, 316Ti. 316H. 321. 321H.347/H. 310S. 317L. 904L. S31254/SM0254)  
Duplex St©GI (S31803/S32205/2205. S32750/2507. S32760) Special Alloy (N04400/400. N06625/625. N08825/825. N10276VC276. 800/800H. 600/600H)  
Our specialized products:  
stainless steel pipe fittings, stainless steel flanges and stainless steel tubes

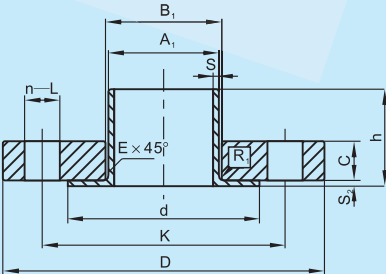




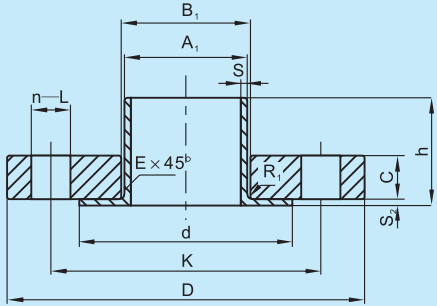
HG20599-2009(10Bar) 对焊环松套钢制管法兰 Slip-on butt welding flange

| 公称<br>口径<br>Nominal<br>size | 钢管外径<br>(对焊环颈部外径)<br>Steel pipe outer<br>diameter(Butt<br>welding link pate<br>outer diameter)<br>A1 |                                                               | 连接尺寸 Connection size                        |                                            |                     |                     |                              | 法兰<br>厚度<br>Flange<br>thick<br>ness<br>C | 法兰内径<br>Flange inside<br>diameter<br>B1 |     | 圆角<br>Fillet<br>R1 | 倒角<br>Bevel<br>edge<br>E | 对焊环Butt welding link |     |     |     |
|-----------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------|--------------------------------------------|---------------------|---------------------|------------------------------|------------------------------------------|-----------------------------------------|-----|--------------------|--------------------------|----------------------|-----|-----|-----|
|                             | 法兰<br>外径<br>Flange<br>outer<br>diameter<br>D                                                         | 螺栓孔<br>中心圆<br>直径<br>bolt hole<br>heart round<br>diameter<br>K | 螺栓孔<br>直 径<br>Bolt<br>hole<br>diameter<br>L | 螺栓孔<br>数量<br>Bolt<br>hole<br>quantity<br>n | 螺 纹<br>Thread<br>Th | 高度<br>Altitude<br>h | 外径<br>Outer<br>diameter<br>d |                                          | S                                       | S2  |                    |                          |                      |     |     |     |
|                             |                                                                                                      |                                                               |                                             |                                            |                     |                     |                              |                                          |                                         |     |                    |                          |                      |     |     |     |
| DN                          | A                                                                                                    | B                                                             | D                                           | K                                          | L                   | n                   | Th                           | C                                        | A                                       | B   | R1                 | E                        | h                    | d   | S   | S2  |
| 10                          | 17.2                                                                                                 | 14                                                            | 90                                          | 60                                         | 14                  | 4                   | M12                          | 14                                       | 21                                      | 18  | 2                  | 2                        | 35                   | 41  | 1.8 | 1.8 |
| 15                          | 21.3                                                                                                 | 18                                                            | 95                                          | 65                                         | 14                  | 4                   | M12                          | 14                                       | 25                                      | 22  | 2                  | 2                        | 38                   | 46  | 2.0 | 2.0 |
| 20                          | 26.9                                                                                                 | 25                                                            | 105                                         | 75                                         | 14                  | 4                   | M12                          | 16                                       | 31                                      | 29  | 2                  | 2                        | 40                   | 56  | 2.3 | 2.3 |
| 25                          | 33.7                                                                                                 | 32                                                            | 115                                         | 85                                         | 14                  | 4                   | M12                          | 16                                       | 38                                      | 36  | 3                  | 3                        | 40                   | 65  | 2.6 | 2.6 |
| 32                          | 42.4                                                                                                 | 38                                                            | 140                                         | 100                                        | 18                  | 4                   | M16                          | 18                                       | 47                                      | 42  | 3                  | 3                        | 42                   | 76  | 2.6 | 2.6 |
| 40                          | 48.3                                                                                                 | 45                                                            | 150                                         | 110                                        | 18                  | 4                   | M16                          | 18                                       | 53                                      | 50  | 3                  | 3                        | 45                   | 84  | 2.6 | 2.6 |
| 50                          | 60.3                                                                                                 | 57                                                            | 165                                         | 125                                        | 18                  | 4                   | M16                          | 20                                       | 65                                      | 62  | 3                  | 3                        | 48                   | 99  | 2.9 | 2.9 |
| 65                          | 76.1                                                                                                 | 76                                                            | 185                                         | 145                                        | 18                  | 4                   | M16                          | 20                                       | 81                                      | 81  | 3                  | 3                        | 48                   | 118 | 2.9 | 2.9 |
| 80                          | 88.9                                                                                                 | 89                                                            | 200                                         | 160                                        | 18                  | 8                   | M16                          | 20                                       | 94                                      | 94  | 4                  | 4                        | 50                   | 132 | 3.2 | 3.2 |
| 100                         | 114.3                                                                                                | 108                                                           | 220                                         | 180                                        | 18                  | 8                   | M16                          | 22                                       | 120                                     | 114 | 4                  | 4                        | 52                   | 156 | 3.6 | 3.6 |
| 125                         | 139.7                                                                                                | 133                                                           | 250                                         | 210                                        | 18                  | 8                   | M16                          | 22                                       | 145                                     | 139 | 4                  | 4                        | 55                   | 184 | 4.0 | 4.0 |
| 150                         | 168.3                                                                                                | 159                                                           | 285                                         | 240                                        | 22                  | 8                   | M20                          | 24                                       | 174                                     | 165 | 4                  | 4                        | 55                   | 211 | 4.5 | 4.5 |
| 200                         | 219.1                                                                                                | 219                                                           | 340                                         | 295                                        | 22                  | 8                   | M20                          | 24                                       | 226                                     | 226 | 5                  | 5                        | 62                   | 266 | 5.9 | 5.9 |
| 250                         | 273                                                                                                  | 273                                                           | 395                                         | 350                                        | 22                  | 12                  | M20                          | 26                                       | 281                                     | 281 | 5                  | 5                        | 68                   | 319 | 6.3 | 6.3 |
| 300                         | 323.9                                                                                                | 325                                                           | 445                                         | 400                                        | 22                  | 12                  | M20                          | 28                                       | 333                                     | 334 | 5                  | 5                        | 68                   | 370 | 7.1 | 7.1 |
| 350                         | 355.6                                                                                                | 377                                                           | 505                                         | 460                                        | 22                  | 16                  | M20                          | 30                                       | 365                                     | 386 | 5                  | 5                        | 68                   | 429 | 7.1 | 7.1 |
| 400                         | 406.4                                                                                                | 426                                                           | 565                                         | 515                                        | 26                  | 16                  | M24                          | 32                                       | 416                                     | 435 | 5                  | 5                        | 72                   | 480 | 7.1 | 7.1 |
| 450                         | 457                                                                                                  | 480                                                           | 615                                         | 565                                        | 26                  | 20                  | M24                          | 35                                       | 467                                     | 490 | 5                  | 5                        | 72                   | 530 | 7.1 | 7.1 |
| 500                         | 508                                                                                                  | 530                                                           | 670                                         | 620                                        | 26                  | 20                  | M24                          | 38                                       | 519                                     | 541 | 6                  | 6                        | 75                   | 582 | 7.1 | 7.1 |
| 600                         | 610                                                                                                  | 630                                                           | 780                                         | 725                                        | 30                  | 20                  | M27                          | 42                                       | 622                                     | 642 | 6                  | 6                        | 80                   | 682 | 7.1 | 7.1 |

Slip-on butt welding flange  
HG20599-2009(10Bar)  
对焊环松套钢制管法兰



Slip-on butt welding flange  
HG20599-2009(16Bar)  
对焊环松套钢制管法兰



HG20599-97(16bar)对焊环松套钢制管法兰 Slip-on butt welding flange

| 公称<br>通路<br>Nominal<br>size | 钢管外径<br>(对焊环颈部外径)<br>Steel pipe outer<br>diameter(Butt<br>welding link pate<br>outer diameter)<br>A1 |     | 连接尺寸 Connection size |                                    |                                                               |                                            |                                            |                    | 法兰<br>厚度<br>Flange<br>thick<br>ness<br>C | 法兰内径<br>Flange inside<br>diameter<br>B1 |   | 圆角<br>Fillet<br>R1 | 倒角<br>Bevel<br>edge<br>E | 对焊环Butt welding link |                              |     |    |
|-----------------------------|------------------------------------------------------------------------------------------------------|-----|----------------------|------------------------------------|---------------------------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------|------------------------------------------|-----------------------------------------|---|--------------------|--------------------------|----------------------|------------------------------|-----|----|
|                             | DN                                                                                                   | A   | B                    | 法兰<br>外径<br>outer<br>diameter<br>D | 螺栓孔<br>中心圆<br>直径<br>bolt hole<br>heart round<br>diameter<br>K | 螺栓孔<br>直径<br>Bolt<br>hole<br>diameter<br>L | 螺栓孔<br>数量<br>Bolt<br>hole<br>quantity<br>n | 螺纹<br>Thread<br>Th |                                          | A                                       | B |                    |                          | 高度<br>Altitude<br>h  | 外径<br>Outer<br>diameter<br>d | S   | S2 |
|                             |                                                                                                      |     |                      |                                    |                                                               |                                            |                                            |                    |                                          |                                         |   |                    |                          |                      |                              |     |    |
|                             |                                                                                                      |     |                      |                                    |                                                               |                                            |                                            |                    |                                          |                                         |   |                    |                          |                      |                              |     |    |
| 10                          | 17.2                                                                                                 | 14  | 90                   | 60                                 | 14                                                            | 4                                          | M12                                        | 14                 | 21                                       | 18                                      | 2 | 2                  | 35                       | 41                   | 1.8                          | 1.8 |    |
| 15                          | 21.3                                                                                                 | 18  | 95                   | 65                                 | 14                                                            | 4                                          | M12                                        | 14                 | 25                                       | 22                                      | 2 | 2                  | 38                       | 46                   | 2.0                          | 2.0 |    |
| 20                          | 26.9                                                                                                 | 25  | 105                  | 75                                 | 14                                                            | 4                                          | M12                                        | 16                 | 31                                       | 29                                      | 2 | 2                  | 40                       | 56                   | 2.3                          | 2.3 |    |
| 25                          | 33.7                                                                                                 | 32  | 115                  | 85                                 | 14                                                            | 4                                          | M12                                        | 16                 | 38                                       | 36                                      | 3 | 3                  | 40                       | 65                   | 2.6                          | 2.6 |    |
| 32                          | 42.4                                                                                                 | 38  | 140                  | 100                                | 18                                                            | 4                                          | M16                                        | 18                 | 47                                       | 42                                      | 3 | 3                  | 42                       | 76                   | 2.6                          | 2.6 |    |
| 40                          | 48.3                                                                                                 | 45  | 150                  | 110                                | 18                                                            | 4                                          | M16                                        | 18                 | 53                                       | 50                                      | 3 | 3                  | 45                       | 84                   | 2.6                          | 2.6 |    |
| 50                          | 60.3                                                                                                 | 57  | 165                  | 125                                | 18                                                            | 4                                          | M16                                        | 20                 | 65                                       | 62                                      | 3 | 3                  | 48                       | 99                   | 2.9                          | 2.9 |    |
| 65                          | 76.1                                                                                                 | 76  | 185                  | 145                                | 18                                                            | 4                                          | M16                                        | 20                 | 81                                       | 81                                      | 3 | 3                  | 48                       | 118                  | 2.9                          | 2.9 |    |
| 80                          | 88.9                                                                                                 | 89  | 200                  | 160                                | 18                                                            | 8                                          | M16                                        | 20                 | 94                                       | 94                                      | 4 | 4                  | 50                       | 132                  | 3.2                          | 3.2 |    |
| 100                         | 114.3                                                                                                | 108 | 220                  | 180                                | 18                                                            | 8                                          | M16                                        | 22                 | 120                                      | 114                                     | 4 | 4                  | 52                       | 156                  | 3.6                          | 3.6 |    |
| 125                         | 139.7                                                                                                | 133 | 250                  | 210                                | 18                                                            | 8                                          | M16                                        | 22                 | 145                                      | 139                                     | 4 | 4                  | 55                       | 184                  | 4.0                          | 4.0 |    |
| 150                         | 168.3                                                                                                | 159 | 285                  | 240                                | 22                                                            | 8                                          | M20                                        | 24                 | 174                                      | 165                                     | 4 | 4                  | 55                       | 211                  | 4.5                          | 4.5 |    |
| 200                         | 219.1                                                                                                | 219 | 340                  | 295                                | 22                                                            | 12                                         | M20                                        | 26                 | 226                                      | 226                                     | 5 | 5                  | 62                       | 266                  | 5.9                          | 5.9 |    |
| 250                         | 273                                                                                                  | 273 | 405                  | 355                                | 26                                                            | 12                                         | M24                                        | 28                 | 281                                      | 281                                     | 5 | 5                  | 70                       | 319                  | 6.3                          | 6.3 |    |
| 300                         | 323.9                                                                                                | 325 | 460                  | 410                                | 26                                                            | 12                                         | M24                                        | 32                 | 333                                      | 334                                     | 5 | 5                  | 78                       | 370                  | 7.1                          | 7.1 |    |
| 350                         | 355.6                                                                                                | 377 | 520                  | 470                                | 26                                                            | 16                                         | M24                                        | 35                 | 365                                      | 386                                     | 5 | 5                  | 82                       | 429                  | 8.0                          | 8.0 |    |
| 400                         | 406.4                                                                                                | 426 | 580                  | 525                                | 30                                                            | 16                                         | M27                                        | 38                 | 416                                      | 435                                     | 5 | 5                  | 85                       | 480                  | 8.0                          | 8.0 |    |
| 450                         | 457                                                                                                  | 480 | 640                  | 585                                | 30                                                            | 20                                         | M27                                        | 42                 | 467                                      | 490                                     | 5 | 5                  | 87                       | 548                  | 8.0                          | 8.0 |    |
| 500                         | 508                                                                                                  | 530 | 715                  | 650                                | 33                                                            | 20                                         | M30x2                                      | 46                 | 519                                      | 541                                     | 6 | 6                  | 90                       | 609                  | 8.0                          | 8.0 |    |
| 600                         | 610                                                                                                  | 630 | 840                  | 770                                | 36                                                            | 20                                         | M33x2                                      | 52                 | 622                                      | 642                                     | 6 | 6                  | 95                       | 720                  | 8.8                          | 8.8 |    |

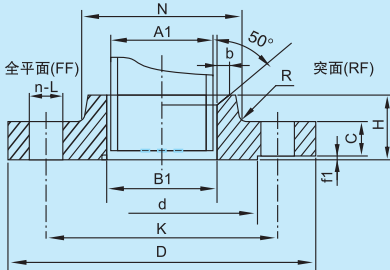
PN10带颈平焊钢制管法兰 Hubbed slip-on welding flange

|          |            |     |               |                   |                |                   |          |               |            |     |     |     |    |               | (mm)          |
|----------|------------|-----|---------------|-------------------|----------------|-------------------|----------|---------------|------------|-----|-----|-----|----|---------------|---------------|
| 公称<br>尺寸 | 钢管外径<br>A1 |     | 连接尺寸          |                   |                |                   |          | 法兰<br>厚度<br>C | 法兰内径<br>B1 |     | 法兰颈 |     | R  | 法兰<br>高度<br>H | 坡口<br>宽度<br>b |
|          |            |     | N             |                   |                |                   |          |               |            |     |     |     |    |               |               |
|          | A          | B   | 法兰<br>外径<br>D | 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 |               | A          | B   | A   | 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  | 80  | 6  | 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

|     |       |     |     |     |    |    |     |    |       |     |     |     |    |    |    |
|-----|-------|-----|-----|-----|----|----|-----|----|-------|-----|-----|-----|----|----|----|
| 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 | 47 |
| 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  | 6  | 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 |

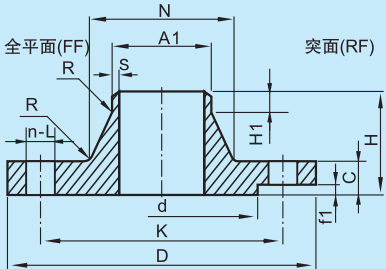
Hubbed slip-on welding  
flange  
HG/T20594-2009(SO)  
带颈平焊钢制管法兰





带颈对焊钢制管法兰

Hubbed butt welding flange  
HG/T 20595-2009(WN)



PN6带颈对焊钢制管法兰

| 公称<br>尺寸      | 钢管外径<br>A1 |      | 连接尺寸          |                   |                |                   |          | 法兰<br>厚度<br>C | 法兰颈  |      |        |         |    | 法兰<br>高度<br>H |
|---------------|------------|------|---------------|-------------------|----------------|-------------------|----------|---------------|------|------|--------|---------|----|---------------|
|               |            |      | 法兰<br>外径<br>D | 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    |        |         |    |               |
| 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       | 6  | 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                | M36×3    | 38            | 1256 | 1256 | 11     | 25      | 16 | 115           |
| 1400          | 1422       | 1420 | 1675          | 1590              | 42             | 36                | M39×3    | 42            | 1460 | 1460 | 12     | 25      | 16 | 120           |
| 1600          | 1626       | 1620 | 1915          | 1820              | 48             | 40                | M45×3    | 46            | 1666 | 1666 | 14     | 25      | 16 | 130           |
| 1800          | 1829       | 1820 | 2115          | 2020              | 48             | 44                | M45×3    | 50            | 1868 | 1866 | 15     | 30      | 16 | 140           |
| 2000          | 2032       | 2020 | 2325          | 2230              | 48             | 48                | M45×3    | 54            | 2072 | 2070 | 16     | 30      | 16 | 150           |
| PN10带颈对焊钢制管法兰 |            |      |               |                   |                |                   |          |               |      |      |        |         |    |               |
| 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       | 6  | 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  | 234  | 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                | M36×3    | 38            | 855  | 855  | 10.0   | 20      | 12 | 105           |
| 900           | 914        | 920  | 1125          | 1050              | 39             | 28                | M36×3    | 40            | 955  | 954  | 10.0   | 20      | 12 | 110           |
| 1000          | 1016       | 1020 | 1255          | 1170              | 42             | 28                | M39×3    | 42            | 1058 | 1060 | 10.0   | 22      | 16 | 120           |
| 1200          | 1219       | 1220 | 1485          | 1390              | 48             | 32                | M45×3    | 48            | 1262 | 1260 | 12.5   | 30      | 16 | 130           |
| 1400          | 1422       | 1420 | 1685          | 1590              | 48             | 36                | M45×3    | 52            | 1465 | 1465 | 14.2   | 30      | 16 | 145           |
| 1600          | 1626       | 1620 | 1930          | 1820              | 56             | 40                | M52×3    | 58            | 1668 | 1668 | 16     | 35      | 16 | 160           |
| 1800          | 1829       | 1820 | 2130          | 2020              | 56             | 44                | M52×3    | 62            | 1870 | 1870 | 17.5   | 35      | 16 | 170           |
| 2000          | 2032       | 2020 | 2345          | 2230              | 62             | 48                | M56×3    | 66            | 2070 | 2072 | 20     | 40      | 16 | 180           |

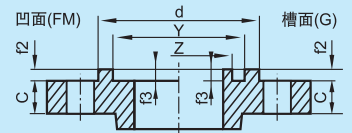
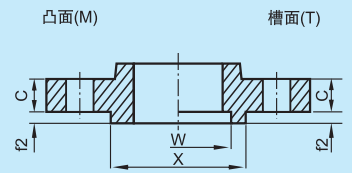
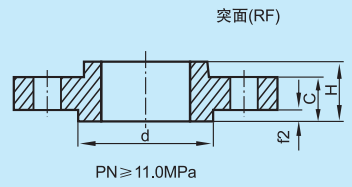
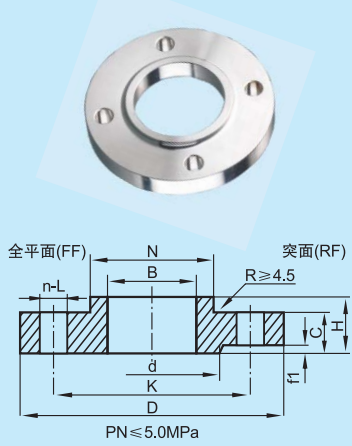
PN25带颈对焊钢制管法兰

| 公称尺寸<br><br>DN | 钢管外径<br>A1 |     | 连接尺寸          |                   |                |                   |          | 法兰厚度<br>C | 法兰颈 |     |        |         |    | 法兰高度<br>H <sub>mm</sub> |
|----------------|------------|-----|---------------|-------------------|----------------|-------------------|----------|-----------|-----|-----|--------|---------|----|-------------------------|
|                |            |     | 法兰<br>外径<br>D | 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   |        |         |    |                         |
| 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      | 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                | M36×3    | 58        | 660 | 680 | 11     | 20      | 12 | 125                     |

PN40带颈对焊钢制管法兰

| 公称<br>尺寸 | 钢管外径<br>A1 |     | 连接尺寸          |                   |                |                   |          | 法兰<br>厚度<br>C | 法兰颈 |     |        |         |    | 法兰<br>高度<br>H |
|----------|------------|-----|---------------|-------------------|----------------|-------------------|----------|---------------|-----|-----|--------|---------|----|---------------|
|          |            |     | 法兰<br>外径<br>D | 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   |               |                   |                |                   |          |               |     |     |        |         |    |               |
| 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      | 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      | 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                | M36×3    | 50            | 462 | 482 | 11     | 20      | 12 | 135           |
| 450      | 457        | 480 | 685           | 610               | 39             | 20                | M36×3    | 57            | 500 | 522 | 12.5   | 20      | 12 | 135           |
| 500      | 508        | 530 | 755           | 670               | 42             | 20                | M39×3    | 57            | 562 | 584 | 14.2   | 20      | 12 | 140           |
| 600      | 610        | 630 | 890           | 795               | 48             | 20                | M45×3    | 72            | 666 | 686 | 16     | 20      | 12 | 150           |

美标带颈平焊钢制管法兰  
SO (ASME B16.5,HG 20616–2009)



### PN2.0MPa(Class 150) ANSI B16.5,Slip On Forged Flange

| 公称<br>口径<br>Nominal<br>Diaeter |     | 钢管<br>外径<br>Pipe<br>Outside<br>Diameter | 连接尺寸<br>Link Size |              |           |           |     |       | 密封面<br>尺寸<br>Seal<br>Surface<br>Size |      | 法兰<br>厚度<br>Flange<br>Thickness | 法兰<br>内径<br>Flange<br>Inside<br>Diameter | 法兰<br>颈<br>Flange<br>Neck | 法兰<br>高度<br>Flange<br>Height | 理论<br>重量<br>Approx<br>Weight |
|--------------------------------|-----|-----------------------------------------|-------------------|--------------|-----------|-----------|-----|-------|--------------------------------------|------|---------------------------------|------------------------------------------|---------------------------|------------------------------|------------------------------|
|                                |     |                                         | 法兰外径              | 螺栓孔中<br>心圆直径 | 螺栓孔<br>直径 | 螺栓孔<br>数量 | 螺栓  |       |                                      |      |                                 |                                          |                           |                              |                              |
| NPS(in)                        | DN  | A                                       | D                 | K            | L         | n         | Th  | 突面d   | 台高f1                                 | C    | D                               | N                                        | H                         | (kg)                         |                              |
| 1/2                            | 15  | 21.3                                    | 90                | 60.5         | 16        | 4         | M14 | 35    | 1.6                                  | 11.5 | 22                              | 30                                       | 16                        | 0.41                         |                              |
| 3/4                            | 20  | 26.9                                    | 100               | 70           | 16        | 4         | M14 | 43    | 1.6                                  | 13   | 27.5                            | 38                                       | 16                        | 0.58                         |                              |
| 1                              | 25  | 33.7                                    | 110               | 79.5         | 16        | 4         | M14 | 51    | 1.6                                  | 14.5 | 34.5                            | 49                                       | 17                        | 0.80                         |                              |
| 1 1/4                          | 32  | 42.4                                    | 120               | 89           | 16        | 4         | M14 | 63.5  | 1.6                                  | 16   | 43.5                            | 59                                       | 21                        | 1.07                         |                              |
| 1 1/2                          | 40  | 48.3                                    | 130               | 98.5         | 16        | 4         | M14 | 73    | 1.6                                  | 17.5 | 49.5                            | 65                                       | 22                        | 1.37                         |                              |
| 2                              | 50  | 60.3                                    | 150               | 120.5        | 18        | 4         | M16 | 92    | 1.6                                  | 19.5 | 61.5                            | 78                                       | 25                        | 2.01                         |                              |
| 2 1/2                          | 65  | 76.1                                    | 180               | 139.5        | 18        | 4         | M16 | 105   | 1.6                                  | 22.5 | 77.5                            | 90                                       | 29                        | 3.32                         |                              |
| 3                              | 80  | 88.9                                    | 190               | 152.5        | 18        | 4         | M16 | 127   | 1.6                                  | 24   | 90.5                            | 108                                      | 30                        | 3.83                         |                              |
| 4                              | 100 | 114.3                                   | 230               | 190.5        | 18        | 8         | M16 | 157.5 | 1.6                                  | 24   | 116                             | 135                                      | 33                        | 5.40                         |                              |
| 5                              | 125 | 139.7                                   | 255               | 216          | 22        | 8         | M20 | 186   | 1.6                                  | 24   | 141.5                           | 164                                      | 36                        | 6.26                         |                              |
| 6                              | 150 | 168.3                                   | 280               | 241.5        | 22        | 8         | M20 | 216   | 1.6                                  | 25.5 | 170.5                           | 192                                      | 40                        | 7.50                         |                              |
| 8                              | 200 | 219.1                                   | 345               | 298.5        | 22        | 8         | M20 | 270   | 1.6                                  | 29   | 221.5                           | 246                                      | 44                        | 12.3                         |                              |
| 10                             | 250 | 273                                     | 405               | 362          | 26        | 12        | M24 | 324   | 1.6                                  | 30.5 | 276.5                           | 305                                      | 49                        | 16.2                         |                              |
| 12                             | 300 | 323.9                                   | 485               | 432          | 26        | 12        | M24 | 381   | 1.6                                  | 32   | 327.5                           | 365                                      | 56                        | 26.5                         |                              |
| 14                             | 350 | 355.6                                   | 535               | 476          | 29.5      | 12        | M27 | 413   | 1.6                                  | 35   | 359.5                           | 400                                      | 57                        | 34.5                         |                              |
| 16                             | 400 | 406.4                                   | 600               | 540          | 29.5      | 16        | M27 | 470   | 1.6                                  | 37   | 411                             | 457                                      | 64                        | 45.5                         |                              |
| 18                             | 450 | 457                                     | 635               | 578          | 32.5      | 16        | M30 | 533.5 | 1.6                                  | 40   | 462                             | 505                                      | 68                        | 48.5                         |                              |
| 20                             | 500 | 508                                     | 700               | 635          | 32.5      | 20        | M30 | 584   | 1.6                                  | 43   | 513.5                           | 559                                      | 73                        | 61.8                         |                              |
| 24                             | 600 | 610                                     | 815               | 749.5        | 35.5      | 20        | M33 | 692   | 1.6                                  | 48   | 616.5                           | 664                                      | 83                        | 87.7                         |                              |

### PN5.0MPa(Class 300) ANSI B16.5,slip On Forged Flange

| 公称<br>口径<br>Nominal<br>Diaeter | 钢管<br>外径<br>Pipe<br>Outside<br>Diameter | 连接尺寸<br>Link Size |              |           |           |    |         | 密封面<br>尺寸<br>Seal<br>Surface<br>Size |      | 法兰<br>厚度<br>Flange<br>Thickness | 法兰<br>内径<br>Flange<br>Inside<br>Diameter | 法兰<br>颈<br>Flange<br>Neck | 法兰<br>高度<br>Flange<br>Hight | 理论<br>重量<br>Approx<br>Weight |
|--------------------------------|-----------------------------------------|-------------------|--------------|-----------|-----------|----|---------|--------------------------------------|------|---------------------------------|------------------------------------------|---------------------------|-----------------------------|------------------------------|
|                                |                                         | 法兰外径              | 螺栓孔中<br>心圆直径 | 螺栓孔<br>直径 | 螺栓孔<br>数量 | 螺栓 |         |                                      |      |                                 |                                          |                           |                             |                              |
| NPS(in)                        | DN                                      | A                 | D            | K         | L         | n  | Th      | 突面d                                  | 台高f1 | C                               | D                                        | N                         | H                           | (kg)                         |
| 1/2                            | 15                                      | 21.3              | 95           | 66.5      | 16        | 4  | M14     | 35                                   | 1.6  | 14.5                            | 22                                       | 38                        | 22                          | 0.63                         |
| 3/4                            | 20                                      | 26.9              | 120          | 82.5      | 18        | 4  | M16     | 43                                   | 1.6  | 16                              | 27.5                                     | 48                        | 25                          | 1.16                         |
| 1                              | 25                                      | 33.7              | 125          | 89        | 18        | 4  | M16     | 51                                   | 1.6  | 17.5                            | 34.5                                     | 54                        | 27                          | 1.37                         |
| 1 1/4                          | 32                                      | 42.4              | 135          | 98.5      | 18        | 4  | M16     | 63.5                                 | 1.6  | 19.5                            | 43.5                                     | 64                        | 27                          | 1.75                         |
| 1 1/2                          | 40                                      | 48.3              | 155          | 114.5     | 22        | 4  | M20     | 73                                   | 1.6  | 21                              | 49.5                                     | 70                        | 30                          | 2.47                         |
| 2                              | 50                                      | 60.3              | 165          | 127       | 18        | 8  | M16     | 92                                   | 1.6  | 22.5                            | 61.5                                     | 84                        | 33                          | 2.90                         |
| 2 1/2                          | 65                                      | 76.1              | 190          | 149       | 22        | 8  | M20     | 105                                  | 1.6  | 25.5                            | 77.5                                     | 100                       | 38                          | 4.17                         |
| 3                              | 80                                      | 88.9              | 210          | 168.5     | 22        | 8  | M20     | 127                                  | 1.6  | 29                              | 90.5                                     | 118                       | 43                          | 5.92                         |
| 4                              | 100                                     | 114.3             | 255          | 200       | 22        | 8  | M20     | 157.5                                | 1.6  | 32                              | 116                                      | 146                       | 48                          | 9.73                         |
| 5                              | 125                                     | 139.7             | 280          | 235       | 22        | 8  | M20     | 186                                  | 1.6  | 35                              | 141.5                                    | 178                       | 51                          | 12.4                         |
| 6                              | 150                                     | 168.3             | 320          | 270       | 22        | 12 | M20     | 216                                  | 1.6  | 37                              | 170.5                                    | 206                       | 52                          | 16.0                         |
| 8                              | 200                                     | 219.1             | 380          | 330       | 26        | 12 | M24     | 270                                  | 1.6  | 41.5                            | 221.5                                    | 260                       | 62                          | 23.9                         |
| 10                             | 250                                     | 273               | 445          | 387.5     | 29.5      | 16 | M27     | 324                                  | 1.6  | 48                              | 276.5                                    | 321                       | 67                          | 34.0                         |
| 12                             | 300                                     | 323.9             | 520          | 451       | 32.5      | 16 | M30     | 381                                  | 1.6  | 51                              | 327.5                                    | 375                       | 73                          | 49.1                         |
| 14                             | 350                                     | 355.6             | 585          | 514.5     | 32.5      | 20 | M30     | 413                                  | 1.6  | 54                              | 359.5                                    | 426                       | 76                          | 69.1                         |
| 16                             | 400                                     | 406.4             | 650          | 571.5     | 35.5      | 20 | M33     | 470                                  | 1.6  | 57.5                            | 411                                      | 483                       | 83                          | 88.9                         |
| 18                             | 450                                     | 457               | 710          | 628.5     | 35.5      | 24 | M33     | 533.5                                | 1.6  | 60.5                            | 462                                      | 533                       | 89                          | 107.2                        |
| 20                             | 500                                     | 508               | 775          | 686       | 35.5      | 24 | M33     | 584                                  | 1.6  | 63.5                            | 513.5                                    | 587                       | 95                          | 132.9                        |
| 24                             | 600                                     | 610               | 915          | 813       | 42        | 24 | M39 × 3 | 692                                  | 1.6  | 70                              | 616.5                                    | 702                       | 104                         | 198.7                        |

### ANSI B16.5,Welding Neck Forged Flange PN2.0MPa(Class 150)

注：带颈对焊法兰的锥颈坡度应不大于45° 且应具有坡度不大于7° 的直边段，直边段长度不小于7mm。

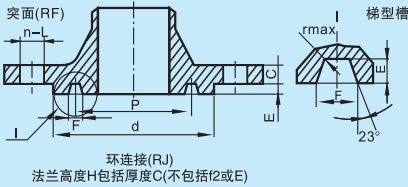
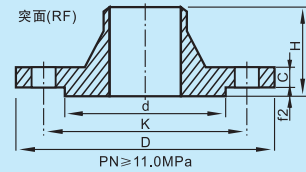
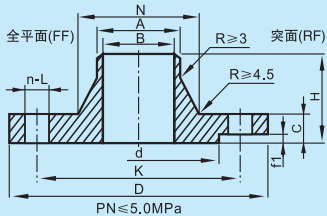
| 公称<br>口径<br>Nominal<br>Diaeter | 钢管<br>外径<br>Pipe<br>Outside<br>Diameter | 连接尺寸<br>Link Size |              |           |           |    |     |       | 密封面<br>尺寸<br>Seal<br>Surface<br>Size |      | 法兰<br>厚度<br>Flange<br>Thickness | 法兰<br>内径<br>Flange<br>Inside<br>Diameter | 法兰<br>颈<br>Flange<br>Neck | 法兰<br>高度<br>Flange<br>Hight | 理论<br>重量<br>Approx<br>Weight |
|--------------------------------|-----------------------------------------|-------------------|--------------|-----------|-----------|----|-----|-------|--------------------------------------|------|---------------------------------|------------------------------------------|---------------------------|-----------------------------|------------------------------|
|                                |                                         | 法兰外径              | 螺栓孔中<br>心圆直径 | 螺栓孔<br>直径 | 螺栓孔<br>数量 | 螺栓 |     |       |                                      |      |                                 |                                          |                           |                             |                              |
| NPS(in)                        | DN                                      | A                 | D            | K         | L         | n  | Th  | 突面d   | 台高f1                                 | C    | D                               | N                                        | H                         | (kg)                        |                              |
| 1/2                            | 15                                      | 21.3              | 90           | 60.5      | 16        | 4  | M14 | 35    | 1.6                                  | 11.5 | 15.5                            | 30                                       | 48                        | 0.91                        |                              |
| 3/4                            | 20                                      | 26.9              | 100          | 70        | 16        | 4  | M14 | 43    | 1.6                                  | 13   | 21                              | 38                                       | 52                        | 0.91                        |                              |
| 1                              | 25                                      | 33.7              | 110          | 79.5      | 16        | 4  | M14 | 51    | 1.6                                  | 14.5 | 27                              | 49                                       | 56                        | 1.14                        |                              |
| 1 1/4                          | 32                                      | 42.4              | 120          | 89        | 16        | 4  | M14 | 63.5  | 1.6                                  | 16   | 35                              | 59                                       | 57                        | 1.14                        |                              |
| 1 1/2                          | 40                                      | 48.3              | 130          | 98.5      | 16        | 4  | M14 | 73    | 1.6                                  | 17.5 | 41                              | 65                                       | 62                        | 1.81                        |                              |
| 2                              | 50                                      | 60.3              | 150          | 120.5     | 18        | 4  | M16 | 92    | 1.6                                  | 19.5 | 52                              | 78                                       | 64                        | 2.72                        |                              |
| 2 1/2                          | 65                                      | 76.1              | 180          | 139.5     | 18        | 4  | M16 | 105   | 1.6                                  | 22.5 | 66                              | 90                                       | 70                        | 4.45                        |                              |
| 3                              | 80                                      | 88.9              | 190          | 152.5     | 18        | 4  | M16 | 127   | 1.6                                  | 24   | 77.5                            | 108                                      | 70                        | 5.22                        |                              |
| 4                              | 100                                     | 114.3             | 230          | 190.5     | 18        | 8  | M16 | 157.5 | 1.6                                  | 24   | 101.5                           | 135                                      | 76                        | 7.49                        |                              |
| 5                              | 125                                     | 139.7             | 255          | 216       | 22        | 8  | M20 | 186   | 1.6                                  | 24   | 127                             | 164                                      | 89                        | 9.53                        |                              |
| 6                              | 150                                     | 168.3             | 280          | 241.5     | 22        | 8  | M20 | 216   | 1.6                                  | 25.5 | 154                             | 192                                      | 89                        | 11.8                        |                              |
| 8                              | 200                                     | 219.1             | 345          | 298.5     | 22        | 8  | M20 | 270   | 1.6                                  | 29   | 203                             | 246                                      | 102                       | 19.1                        |                              |
| 10                             | 250                                     | 273               | 405          | 362       | 26        | 12 | M24 | 324   | 1.6                                  | 30.5 | 255                             | 305                                      | 102                       | 24.5                        |                              |
| 12                             | 300                                     | 323.9             | 485          | 432       | 26        | 12 | M24 | 381   | 1.6                                  | 32   | 303.5                           | 365                                      | 114                       | 39.9                        |                              |
| 14                             | 350                                     | 355.6             | 535          | 476       | 29.5      | 12 | M27 | 413   | 1.6                                  | 35   | 333.5                           | 400                                      | 127                       | 51.8                        |                              |
| 16                             | 400                                     | 406.4             | 600          | 540       | 29.5      | 16 | M27 | 470   | 1.6                                  | 37   | 381                             | 457                                      | 127                       | 64.5                        |                              |
| 18                             | 450                                     | 457               | 635          | 578       | 32.5      | 16 | M30 | 533.5 | 1.6                                  | 40   | 428.5                           | 505                                      | 140                       | 74.9                        |                              |
| 20                             | 500                                     | 508               | 700          | 635       | 32.5      | 20 | M30 | 584   | 1.6                                  | 43   | 476                             | 559                                      | 145                       | 89.4                        |                              |
| 22                             | 550                                     | 559               | 750          | 692       | 35.5      | 20 | M33 | 641   | 1.6                                  | 46   | 525                             | 610                                      | 149                       | 103.5                       |                              |
| 24                             | 600                                     | 610               | 815          | 749.5     | 35.5      | 20 | M33 | 692   | 1.6                                  | 48   | 575                             | 664                                      | 152                       | 121.7                       |                              |

### PN5.0MPa(Class 300) ANSI B16.5,Welding Neck Forged Flange

| 公称<br>口径<br>Nominal<br>Diaeter | 钢管<br>外径<br>Pipe<br>Outside<br>Diameter | 连接尺寸<br>Link Size |              |           |           |    |         | 密封面<br>尺寸<br>Seal<br>Surface<br>Size |      | 法兰<br>厚度<br>Flange<br>Thickness | 法兰<br>内径<br>Flange<br>Inside<br>Diameter | 法兰<br>颈<br>Flange<br>Neck | 法兰<br>高度<br>Flange<br>Height | 理论<br>重量<br>Approx<br>Weight |
|--------------------------------|-----------------------------------------|-------------------|--------------|-----------|-----------|----|---------|--------------------------------------|------|---------------------------------|------------------------------------------|---------------------------|------------------------------|------------------------------|
|                                |                                         | 法兰外径              | 螺栓孔中<br>心圆直径 | 螺栓孔<br>直径 | 螺栓孔<br>数量 | 螺栓 |         |                                      |      |                                 |                                          |                           |                              |                              |
| NPS(in)                        | DN                                      | A                 | D            | K         | L         | n  | Th      | 突面d                                  | 台高t1 | C                               | D                                        | N                         | H                            | (kg)                         |
| 1/2                            | 15                                      | 21.3              | 95           | 66.5      | 16        | 4  | M14     | 35                                   | 1.6  | 14.5                            | 15.5                                     | 38                        | 52                           | 0.91                         |
| 3/4                            | 20                                      | 26.9              | 120          | 82.5      | 18        | 4  | M16     | 43                                   | 1.6  | 16                              | 21                                       | 48                        | 57                           | 1.36                         |
| 1                              | 25                                      | 33.7              | 125          | 89        | 18        | 4  | M16     | 51                                   | 1.6  | 17.5                            | 27                                       | 54                        | 62                           | 1.82                         |
| 1 1/4                          | 32                                      | 42.4              | 135          | 98.5      | 18        | 4  | M16     | 63.5                                 | 1.6  | 19.5                            | 35                                       | 64                        | 65                           | 2.27                         |
| 1 1/2                          | 40                                      | 48.3              | 155          | 114.5     | 22        | 4  | M20     | 73                                   | 1.6  | 21                              | 41                                       | 70                        | 68                           | 3.18                         |
| 2                              | 50                                      | 60.3              | 165          | 127       | 18        | 8  | M16     | 92                                   | 1.6  | 22.5                            | 52                                       | 84                        | 70                           | 3.36                         |
| 2 1/2                          | 65                                      | 76.1              | 190          | 149       | 22        | 8  | M20     | 105                                  | 1.6  | 25.5                            | 66                                       | 100                       | 76                           | 5.45                         |
| 3                              | 80                                      | 88.9              | 210          | 168.5     | 22        | 8  | M20     | 127                                  | 1.6  | 29                              | 77.5                                     | 118                       | 79                           | 8.17                         |
| 4                              | 100                                     | 114.3             | 255          | 200       | 22        | 8  | M20     | 157.5                                | 1.6  | 32                              | 101.5                                    | 146                       | 86                           | 12.1                         |
| 5                              | 125                                     | 139.7             | 280          | 235       | 22        | 8  | M20     | 186                                  | 1.6  | 35                              | 127                                      | 178                       | 98                           | 16.3                         |
| 6                              | 150                                     | 168.3             | 320          | 270       | 22        | 12 | M20     | 216                                  | 1.6  | 37                              | 154                                      | 206                       | 98                           | 20.4                         |
| 8                              | 200                                     | 219.1             | 380          | 330       | 26        | 12 | M24     | 270                                  | 1.6  | 41.5                            | 203                                      | 260                       | 111                          | 31.3                         |
| 10                             | 250                                     | 273               | 445          | 387.5     | 29.5      | 16 | M27     | 324                                  | 1.6  | 48                              | 255                                      | 321                       | 117                          | 45.4                         |
| 12                             | 300                                     | 323.9             | 520          | 451       | 32.5      | 16 | M30     | 381                                  | 1.6  | 51                              | 303.5                                    | 375                       | 130                          | 64.5                         |
| 14                             | 350                                     | 355.6             | 585          | 514.5     | 32.5      | 20 | M30     | 413                                  | 1.6  | 54                              | 323.5                                    | 426                       | 143                          | 93.5                         |
| 16                             | 400                                     | 406.4             | 650          | 571.5     | 35.5      | 20 | M33     | 470                                  | 1.6  | 57.5                            | 371                                      | 483                       | 146                          | 113.1                        |
| 18                             | 450                                     | 457               | 710          | 628.5     | 35.5      | 24 | M33     | 533.5                                | 1.6  | 60.5                            | 417                                      | 533                       | 159                          | 138.9                        |
| 20                             | 500                                     | 508               | 775          | 686       | 35.5      | 24 | M33     | 584                                  | 1.6  | 63.5                            | 468                                      | 587                       | 162                          | 167.5                        |
| 22                             | 550                                     | 559               | 840          | 743       | 42        | 24 | M39 × 3 | 641                                  | 1.6  | 66.5                            | 509                                      | 640                       | 165                          | 199.4                        |
| 24                             | 600                                     | 610               | 915          | 813       | 42        | 24 | M39 × 3 | 692                                  | 1.6  | 70                              | 560                                      | 702                       | 168                          | 235.6                        |



美标带颈对焊钢制管法兰  
ANSI B16.5 ,Welding Neck Forged Flange  
HG/T 20617–2009(WN)



PN2.0MPa(Class 600)

| 公称尺寸 |       | 钢管外径<br>(法兰焊<br>端外径)<br>A | 连接尺寸          |                   |                |          |                   | 法兰<br>厚度<br>C | 法兰颈<br>大端<br>N | 法兰<br>内径<br>B | 法兰<br>高度<br>H | 理论<br>重量<br>KG |
|------|-------|---------------------------|---------------|-------------------|----------------|----------|-------------------|---------------|----------------|---------------|---------------|----------------|
| DN   | NPS   |                           | 法兰<br>外径<br>D | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓<br>Th | 螺栓孔<br>数量<br>n(个) |               |                |               |               |                |
| 15   | ½     | 21.3                      | 95            | 66.7              | 16             | M14      | 4                 | 14.3          | 38             | —             | 52            | 1.36           |
| 20   | 3/4   | 26.9                      | 115           | 82.6              | 18             | M16      | 4                 | 15.9          | 48             | —             | 57            | 1.59           |
| 25   | 1     | 33.7                      | 125           | 88.9              | 18             | M16      | 4                 | 17.5          | 54             | —             | 62            | 1.82           |
| 32   | 1 1/4 | 42.4                      | 135           | 98.4              | 18             | M16      | 4                 | 20.7          | 64             | —             | 67            | 2.50           |
| 40   | 1 ½   | 48.3                      | 155           | 114.3             | 22             | M20      | 4                 | 22.3          | 70             | —             | 70            | 3.63           |
| 50   | 2     | 60.3                      | 165           | 127.0             | 18             | M16      | 8                 | 25.4          | 84             | —             | 73            | 4.54           |
| 65   | 2 ½   | 76.1                      | 190           | 149.2             | 22             | M20      | 8                 | 28.6          | 100            | —             | 79            | 6.36           |
| 80   | 3     | 88.9                      | 210           | 168.3             | 22             | M20      | 8                 | 31.8          | 117            | —             | 83            | 10.3           |
| 100  | 4     | 114.3                     | 275           | 215.9             | 26             | M24      | 8                 | 38.1          | 152            | —             | 102           | 16.8           |
| 125  | 5     | 139.7                     | 330           | 266.7             | 30             | M27      | 8                 | 44.5          | 189            | —             | 114           | 30.9           |
| 150  | 6     | 168.3                     | 355           | 292.1             | 30             | M27      | 12                | 47.7          | 222            | —             | 117           | 33.1           |
| 200  | 8     | 219.1                     | 420           | 349.2             | 33             | M30      | 12                | 55.6          | 273            | —             | 133           | 50.9           |
| 250  | 10    | 273                       | 510           | 431.8             | 36             | M33      | 16                | 63.5          | 343            | —             | 152           | 85.8           |
| 300  | 12    | 323.9                     | 560           | 489               | 36             | M33      | 20                | 66.7          | 409            | —             | 156           | 102.6          |
| 350  | 14    | 355.6                     | 605           | 527               | 39             | M36 × 3  | 20                | 69.9          | 432            | —             | 165           | 157.5          |
| 400  | 16    | 406.4                     | 685           | 603.2             | 42             | M39 × 3  | 20                | 76.2          | 495            | —             | 178           | 218.4          |
| 450  | 18    | 457                       | 745           | 654               | 45             | M42 × 3  | 20                | 82.6          | 546            | —             | 184           | 252.0          |
| 500  | 20    | 508                       | 815           | 723.9             | 45             | M42 × 3  | 24                | 88.9          | 610            | —             | 190           | 313.2          |
| 600  | 24    | 610                       | 940           | 838.2             | 51             | M48 × 3  | 24                | 101.6         | 718            | —             | 203           | 443.6          |

PN5.0MPa(Class 900) ANSI B16.5,Welding Neck Forged Flange

| 公称尺寸 |       | 钢管外径<br>(法兰焊<br>端外径)<br>A | 连接尺寸          |                   |                |          |                   | 法兰<br>厚度<br>C | 法兰颈<br>大端<br>N | 法兰<br>内径<br>B | 法兰<br>高度<br>H | 理论<br>重量<br>KG |
|------|-------|---------------------------|---------------|-------------------|----------------|----------|-------------------|---------------|----------------|---------------|---------------|----------------|
| DN   | NPS   |                           | 法兰<br>外径<br>D | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓<br>Th | 螺栓孔<br>数量<br>n(个) |               |                |               |               |                |
| 15   | ½     | 21.3                      | 120           | 82.6              | 22             | M20      | 4                 | 22.3          | 38             | —             | 60            | 3.18           |
| 20   | 3/4   | 26.9                      | 130           | 88.9              | 22             | M20      | 4                 | 25.4          | 44             | —             | 70            | 3.18           |
| 25   | 1     | 33.7                      | 150           | 101.6             | 26             | M24      | 4                 | 28.6          | 52             | —             | 73            | 3.86           |
| 32   | 1 1/4 | 42.4                      | 160           | 111.1             | 26             | M24      | 4                 | 28.6          | 64             | —             | 73            | 4.54           |
| 40   | 1 ½   | 48.3                      | 180           | 123.8             | 30             | M27      | 4                 | 31.8          | 70             | —             | 83            | 6.36           |
| 50   | 2     | 60.3                      | 215           | 165.1             | 26             | M24      | 8                 | 38.1          | 105            | —             | 102           | 10.9           |
| 65   | 2 ½   | 76.1                      | 245           | 190.5             | 30             | M27      | 8                 | 41.3          | 124            | —             | 105           | 16.3           |
| 80   | 3     | 88.9                      | 240           | 190.5             | 26             | M24      | 8                 | 38.1          | 127            | —             | 102           | 13.2           |
| 100  | 4     | 114.3                     | 290           | 235.0             | 33             | M30      | 8                 | 44.5          | 159            | —             | 114           | 23.2           |
| 125  | 5     | 139.7                     | 350           | 279.4             | 36             | M33      | 8                 | 50.8          | 190            | —             | 127           | 39.1           |
| 150  | 6     | 168.3                     | 380           | 317.5             | 33             | M30      | 12                | 55.6          | 235            | —             | 140           | 49.9           |
| 200  | 8     | 219.1                     | 470           | 393.7             | 39             | M36 × 3  | 12                | 63.5          | 298            | —             | 162           | 84.9           |
| 250  | 10    | 273                       | 545           | 469.9             | 39             | M36 × 3  | 16                | 69.9          | 368            | —             | 184           | 121.7          |
| 300  | 12    | 323.9                     | 610           | 533.4             | 39             | M36 × 3  | 20                | 79.4          | 419            | —             | 200           | 168.9          |
| 350  | 14    | 355.6                     | 640           | 558.8             | 42             | M39 × 3  | 20                | 85.8          | 451            | —             | 213           | 255.2          |
| 400  | 16    | 406.4                     | 705           | 616               | 45             | M42 × 3  | 20                | 88.9          | 508            | —             | 216           | 311.0          |
| 450  | 18    | 457                       | 785           | 685.8             | 51             | M48 × 3  | 20                | 101.6         | 565            | —             | 229           | 419.5          |
| 500  | 20    | 508                       | 855           | 749.3             | 55             | M52 × 3  | 20                | 108           | 622            | —             | 248           | 528.5          |
| 600  | 24    | 610                       | 1040          | 901.7             | 68             | M64 × 3  | 20                | 139.7         | 749            | —             | 267           | 956.6          |

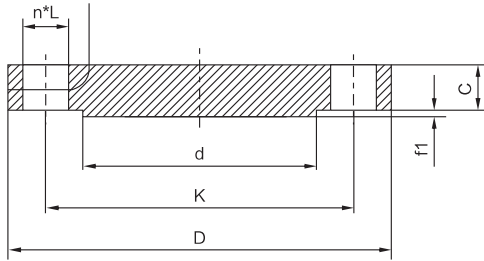
PN2.0MPa(Class 1500)

| 公称尺寸 |       | 钢管外径<br>(法兰焊<br>端外径)<br>A | 连接尺寸          |                   |                |          |                   | 法兰<br>厚度<br>C | 法兰颈<br>大端<br>N | 法兰<br>内径<br>B | 法兰<br>高度<br>H | 理论<br>重量<br>KG |
|------|-------|---------------------------|---------------|-------------------|----------------|----------|-------------------|---------------|----------------|---------------|---------------|----------------|
| DN   | NPS   |                           | 法兰<br>外径<br>D | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓<br>Th | 螺栓孔<br>数量<br>n(个) |               |                |               |               |                |
| 15   | ½     | 21.3                      | 120           | 82.6              | 22             | M20      | 4                 | 22.3          | 38             | —             | 60            | 3.18           |
| 20   | 3/4   | 26.9                      | 130           | 88.9              | 22             | M20      | 4                 | 25.4          | 44             | —             | 70            | 3.18           |
| 25   | 1     | 33.7                      | 150           | 101.6             | 26             | M24      | 4                 | 28.6          | 52             | —             | 73            | 3.86           |
| 32   | 1 1/4 | 42.4                      | 160           | 111.1             | 26             | M24      | 4                 | 28.6          | 64             | —             | 73            | 4.54           |
| 40   | 1 ½   | 48.3                      | 180           | 123.8             | 30             | M27      | 4                 | 31.8          | 70             | —             | 83            | 6.36           |
| 50   | 2     | 60.3                      | 215           | 165.1             | 26             | M24      | 8                 | 38.1          | 105            | —             | 102           | 10.9           |
| 65   | 2 ½   | 76.1                      | 245           | 190.5             | 30             | M27      | 8                 | 41.3          | 124            | —             | 105           | 16.34          |
| 80   | 3     | 88.9                      | 265           | 203.2             | 33             | M30      | 8                 | 47.7          | 133            | —             | 117           | 21.8           |
| 100  | 4     | 114.3                     | 310           | 241.3             | 36             | M33      | 8                 | 54            | 162            | —             | 124           | 31.3           |
| 125  | 5     | 139.7                     | 375           | 292.1             | 42             | M39 × 3  | 8                 | 73.1          | 197            | —             | 156           | 59.9           |
| 150  | 6     | 168.3                     | 395           | 317.5             | 39             | M36 × 3  | 12                | 82.6          | 229            | —             | 171           | 74.5           |
| 200  | 8     | 219.1                     | 485           | 393.7             | 45             | M42 × 3  | 12                | 92.1          | 292            | —             | 213           | 123.9          |
| 250  | 10    | 273                       | 585           | 482.6             | 51             | M48 × 3  | 12                | 108           | 368            | —             | 254           | 206.1          |
| 300  | 12    | 323.9                     | 675           | 571.5             | 55             | M52 × 3  | 16                | 123.9         | 451            | —             | 283           | 313.3          |
| 350  | 14    | 355.6                     | 750           | 635               | 60             | M56 × 3  | 16                | 133.4         | 495            | —             | 298           | 406.5          |
| 400  | 16    | 406.4                     | 825           | 704.8             | 68             | M64 × 3  | 16                | 146.1         | 552            | —             | 311           | 525            |
| 450  | 18    | 457                       | 915           | 774.7             | 74             | M70 × 3  | 16                | 162           | 597            | —             | 327           | 687.2          |
| 500  | 20    | 508                       | 985           | 831.8             | 80             | M76 × 3  | 16                | 177.8         | 641            | —             | 356           | 852.6          |
| 600  | 24    | 610                       | 1170          | 990.6             | 94             | M90 × 3  | 16                | 203.2         | 762            | —             | 406           | 1366.8         |

PN5.0MPa(Class 2500) ANSI B16.5,Welding Neck Forged Flange

| 公称尺寸 |       | 钢管外径<br>(法兰焊<br>端外径)<br>A | 连接尺寸          |                   |                |          |                   | 法兰<br>厚度<br>C | 法兰颈<br>大端<br>N | 法兰<br>内径<br>B | 法兰<br>高度<br>H | 理论<br>重量<br>KG |
|------|-------|---------------------------|---------------|-------------------|----------------|----------|-------------------|---------------|----------------|---------------|---------------|----------------|
| DN   | NPS   |                           | 法兰<br>外径<br>D | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓<br>Th | 螺栓孔<br>数量<br>n(个) |               |                |               |               |                |
| 15   | ½     | 21.3                      | 135           | 88.9              | 22             | M20      | 4                 | 30.2          | 43             | —             | 73            | 3.63           |
| 20   | 3/4   | 26.9                      | 140           | 95.2              | 22             | M20      | 4                 | 31.8          | 51             | —             | 79            | 4.09           |
| 25   | 1     | 33.7                      | 160           | 108               | 26             | M24      | 4                 | 35            | 57             | —             | 89            | 5.9            |
| 32   | 1 1/4 | 42.4                      | 185           | 130.2             | 30             | M27      | 4                 | 38.1          | 73             | —             | 95            | 9.08           |
| 40   | 1 ½   | 48.3                      | 205           | 146               | 33             | M30      | 4                 | 44.5          | 79             | —             | 111           | 12.7           |
| 50   | 2     | 60.3                      | 235           | 171.4             | 30             | M27      | 8                 | 50.9          | 95             | —             | 127           | 19.1           |
| 65   | 2 ½   | 76.1                      | 265           | 196.8             | 33             | M30      | 8                 | 57.2          | 114            | —             | 143           | 23.6           |
| 80   | 3     | 88.9                      | 305           | 228.6             | 36             | M33      | 8                 | 66.7          | 133            | —             | 168           | 42.7           |
| 100  | 4     | 114.3                     | 355           | 273               | 42             | M39 × 3  | 8                 | 76.2          | 165            | —             | 190           | 66.3           |
| 125  | 5     | 139.7                     | 420           | 323.8             | 48             | M45 × 3  | 8                 | 92.1          | 203            | —             | 229           | 110.8          |
| 150  | 6     | 168.3                     | 485           | 368.3             | 55             | M52 × 3  | 8                 | 108           | 235            | —             | 273           | 171.6          |
| 200  | 8     | 219.1                     | 550           | 438.2             | 55             | M52 × 3  | 12                | 127           | 305            | —             | 318           | 261.5          |
| 250  | 10    | 273                       | 675           | 539.8             | 68             | M64 × 3  | 12                | 165.1         | 375            | —             | 419           | 484.9          |
| 300  | 12    | 323.9                     | 760           | 619.1             | 74             | M70 × 3  | 12                | 184.2         | 441            | —             | 464           | 730.1          |

钢制管法兰盖  
Forged Blind Flange  
HG/T 20622-2009(BL)



Class150(PN20)钢制管法兰盖 (mm)

| 公称尺寸 |       | 连接尺寸          |                   |                |          |                   | 法兰<br>厚度<br>C | 重量<br>G |
|------|-------|---------------|-------------------|----------------|----------|-------------------|---------------|---------|
| DN   | NPS   | 法兰<br>外径<br>D | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓<br>Th | 螺栓孔<br>数量<br>n(个) |               |         |
| 15   | ½     | 90            | 60.3              | 16             | M14      | 4                 | 9.6           | 0.43    |
| 20   | 3/4   | 100           | 69.9              | 16             | M14      | 4                 | 11.2          | 0.63    |
| 25   | 1     | 110           | 79.4              | 16             | M14      | 4                 | 12.7          | 0.89    |
| 32   | 1 1/4 | 115           | 88.9              | 16             | M14      | 4                 | 14.3          | 1.20    |
| 40   | 1 ½   | 125           | 98.4              | 16             | M14      | 4                 | 15.9          | 1.58    |
| 50   | 2     | 150           | 120.7             | 18             | M16      | 4                 | 17.5          | 2.39    |
| 65   | 2 ½   | 180           | 139.7             | 18             | M16      | 4                 | 20.7          | 4.07    |
| 80   | 3     | 190           | 152.4             | 18             | M16      | 4                 | 22.3          | 4.92    |
| 100  | 4     | 230           | 190.5             | 18             | M16      | 8                 | 22.3          | 7.13    |
| 125  | 5     | 255           | 215.9             | 22             | M20      | 8                 | 22.3          | 8.72    |
| 150  | 6     | 280           | 241.3             | 22             | M20      | 8                 | 23.9          | 11.4    |
| 200  | 8     | 345           | 298.58            | 22             | M20      | 8                 | 27            | 20.1    |
| 250  | 10    | 405           | 362               | 26             | M24      | 12                | 28.6          | 28.7    |
| 300  | 12    | 485           | 431.8             | 26             | M24      | 12                | 30.2          | 43.3    |
| 350  | 14    | 535           | 476.3             | 30             | M27      | 12                | 33.4          | 58.2    |
| 400  | 16    | 595           | 539.8             | 30             | M27      | 16                | 35            | 77.4    |
| 450  | 18    | 635           | 577.9             | 33             | M30      | 16                | 38.1          | 94.0    |
| 500  | 20    | 700           | 635               | 33             | M30      | 20                | 41.3          | 122.7   |
| 600  | 24    | 815           | 749.3             | 36             | M33      | 20                | 46.1          | 187.0   |

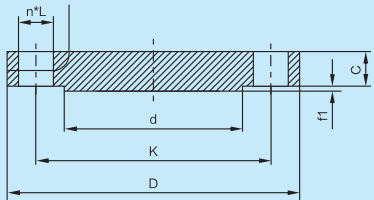
Class600(PN110)钢制管法兰盖 (mm)

| 公称尺寸 |       | 连接尺寸          |                   |                |          |                   | 法兰<br>厚度<br>C | 重量<br>G |
|------|-------|---------------|-------------------|----------------|----------|-------------------|---------------|---------|
| DN   | NPS   | 法兰<br>外径<br>D | 螺栓孔中<br>心圆直径<br>K | 螺栓孔<br>直径<br>L | 螺栓<br>Th | 螺栓孔<br>数量<br>n(个) |               |         |
| 15   | 1/ 2  | 95            | 66.7              | 16             | M14      | 4                 | 12.7          | 0.63    |
| 20   | 3/4   | 115           | 82.6              | 18             | M14      | 4                 | 14.3          | 1.15    |
| 25   | 1     | 125           | 88.9              | 18             | M16      | 4                 | 15.9          | 1.40    |
| 32   | 1 1/4 | 135           | 98.4              | 18             | M16      | 4                 | 17.5          | 1.88    |
| 40   | 1 ½   | 155           | 114.3             | 22             | M20      | 4                 | 19.1          | 2.65    |
| 50   | 2     | 165           | 127               | 18             | M16      | 8                 | 20.7          | 3.22    |
| 65   | 2 ½   | 190           | 149.2             | 22             | M20      | 8                 | 23.9          | 4.80    |
| 80   | 3     | 210           | 168.3             | 22             | M20      | 8                 | 27            | 6.89    |
| 100  | 4     | 255           | 200               | 22             | M20      | 8                 | 30.2          | 11.5    |
| 125  | 5     | 280           | 235               | 22             | M20      | 8                 | 33.4          | 15.6    |
| 150  | 6     | 320           | 269.9             | 22             | M20      | 12                | 35            | 21.4    |
| 200  | 8     | 380           | 330.2             | 26             | M24      | 12                | 39.7          | 34.1    |
| 250  | 10    | 445           | 387.4             | 30             | M27      | 16                | 46.1          | 53.5    |
| 300  | 12    | 520           | 450.8             | 33             | M30      | 16                | 49.3          | 78.3    |
| 350  | 14    | 585           | 514.4             | 33             | M30      | 20                | 52.4          | 105     |
| 400  | 16    | 650           | 571.5             | 36             | M33      | 20                | 55.6          | 138.6   |
| 450  | 18    | 710           | 628.6             | 36             | M33      | 24                | 58.8          | 174.3   |
| 500  | 20    | 775           | 685.8             | 36             | M33      | 24                | 62            | 220.4   |
| 600  | 24    | 915           | 812.8             | 42             | M39×3    | 24                | 68.3          | 339     |

Class300(PN50)钢制管法兰盖 (mm)

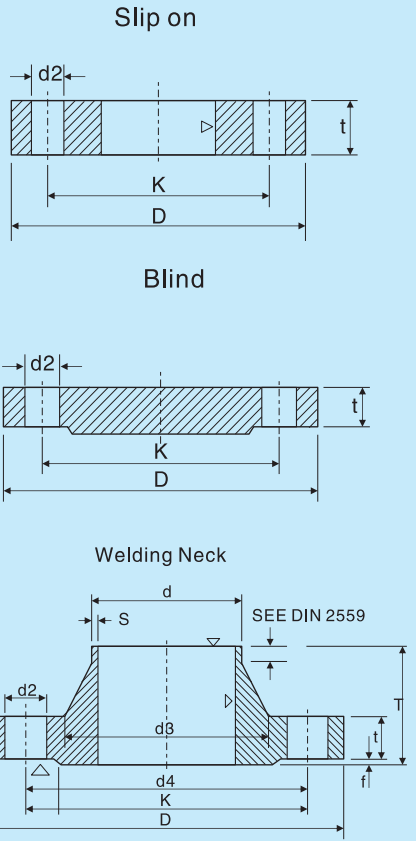
|     |       |     |       |    |       |    |       |       |
|-----|-------|-----|-------|----|-------|----|-------|-------|
| 15  | 1/ 2  | 95  | 66.7  | 16 | M14   | 4  | 14.3  | 0.77  |
| 20  | 3/4   | 115 | 82.6  | 18 | M16   | 4  | 15.9  | 1.37  |
| 25  | 1     | 125 | 88.9  | 18 | M16   | 4  | 17.5  | 1.66  |
| 32  | 1 1/4 | 135 | 98.4  | 18 | M16   | 4  | 20.7  | 2.36  |
| 40  | 1 ½   | 155 | 114.3 | 22 | M20   | 4  | 22.3  | 3.29  |
| 50  | 2     | 165 | 127   | 18 | M16   | 8  | 25.4  | 4.24  |
| 65  | 2 ½   | 190 | 149.2 | 22 | M20   | 8  | 28.6  | 6.23  |
| 80  | 3     | 210 | 168.3 | 22 | M20   | 8  | 31.8  | 8.63  |
| 100 | 4     | 275 | 215.9 | 26 | M24   | 8  | 38.1  | 17.7  |
| 125 | 5     | 330 | 266.7 | 30 | M27   | 8  | 44.5  | 29.4  |
| 150 | 6     | 355 | 292.1 | 30 | M27   | 12 | 47.7  | 36.2  |
| 200 | 8     | 380 | 330.2 | 26 | M24   | 12 | 34.1  | 59.1  |
| 250 | 10    | 445 | 387.4 | 30 | M27   | 16 | 53.5  | 98.4  |
| 300 | 12    | 520 | 450.8 | 33 | M30   | 16 | 78.3  | 125.3 |
| 350 | 14    | 585 | 514.4 | 33 | M30   | 20 | 105   | 152.1 |
| 400 | 16    | 650 | 571.5 | 36 | M33   | 20 | 138.6 | 214.1 |
| 450 | 18    | 710 | 628.6 | 36 | M33   | 24 | 174.3 | 275.4 |
| 500 | 20    | 775 | 685.8 | 36 | M33   | 24 | 220.4 | 352.4 |
| 600 | 24    | 915 | 812.8 | 42 | M39×3 | 24 | 339   | 536.8 |

钢制管法兰盖  
Forged Blind Flange  
HG/T 20622-2009(BL)





德标法兰 10BAR FLANGES/  
DIN2576 SLIP-ON FLANGES/  
DIN2527  
BLIND FLANGES/DIN2632  
WELDING NECK FLANGES



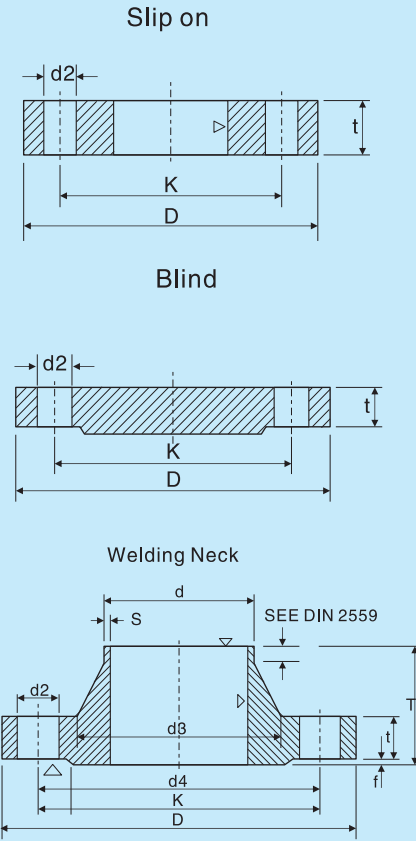
德标法兰 10BAR Unit:mm

| Bore         |              |                | Common Dimension |               |      |       |     |    | Hub        |     |    |    | Raised Face |   | Drilling        |    | Approx Weight(kg) |          |          |
|--------------|--------------|----------------|------------------|---------------|------|-------|-----|----|------------|-----|----|----|-------------|---|-----------------|----|-------------------|----------|----------|
| Nominal Bore | d1           | d2             | D                | t             |      |       | K   | h1 | d3         | s   | r  | h2 | d4          | f | Num-ber of Bolf | d2 | Din 2576          | Din 2632 | Din 2527 |
|              |              |                |                  | Weld-ing Neck | Plat | Blind |     |    |            |     |    |    |             |   |                 |    |                   |          |          |
| 10           | 14<br>17.2   | 14.5<br>17.7   | 90               | 14            | 14   | 14    | 60  | 35 | 25         | 1.8 | 4  | 6  | 40          | 2 | 4               | 14 | 0.613<br>0.605    | 0.580    | 0.63     |
| 15           | 20<br>21.3   | 21<br>22       | 95               | 14            | 14   | 14    | 65  | 35 | 30         | 2   | 4  | 6  | 45          | 2 | 4               | 14 | 0.675<br>0.669    | 0.648    | 0.72     |
| 20           | 25<br>26.9   | 26<br>27.6     | 105              | 16            | 16   | 16    | 75  | 38 | 38         | 2.3 | 4  | 6  | 58          | 2 | 4               | 14 | 0.943<br>0.936    | 0.952    | 1.01     |
| 25           | 30<br>33.7   | 31<br>34.4     | 115              | 16            | 16   | 16    | 85  | 38 | 42         | 2.6 | 4  | 6  | 68          | 2 | 4               | 14 | 1.14<br>1.11      | 1.14     | 1.23     |
| 32           | 38<br>42.4   | 39<br>43.1     | 140              | 16            | 16   | 16    | 100 | 40 | 52         | 2.6 | 6  | 6  | 78          | 2 | 4               | 18 | 1.66<br>1.62      | 1.69     | 1.8      |
| 40           | 44.5<br>48.3 | 45.5<br>49     | 150              | 16            | 16   | 16    | 110 | 42 | 60         | 2.6 | 6  | 7  | 88          | 3 | 4               | 18 | 1.89<br>1.86      | 1.86     | 2.09     |
| 50           | 57<br>60.3   | 58.1<br>61.1   | 165              | 18            | 18   | 18    | 125 | 45 | 72         | 2.9 | 6  | 8  | 102         | 3 | 4               | 18 | 2.51<br>2.47      | 2.53     | 2.88     |
| 65           | 76.1         | 77.1           | 185              | 18            | 18   | 18    | 145 | 45 | 90         | 2.9 | 6  | 9  | 122         | 3 | 4               | 18 | 3                 | 3.06     | 3.66     |
| 80           | 88.9         | 90.3           | 200              | 20            | 20   | 20    | 160 | 50 | 105        | 3.2 | 8  | 10 | 138         | 3 | 8               | 18 | 3.79              | 3.70     | 4.77     |
| 100          | 108<br>114.3 | 109.6<br>115.9 | 220              | 20            | 20   | 20    | 180 | 52 | 125        | 3.6 | 8  | 10 | 158         | 3 | 8               | 18 | 4.2<br>4.03       | 4.62     | 5.65     |
| 125          | 133<br>139.7 | 134.8<br>141.6 | 250              | 22            | 22   | 22    | 210 | 55 | 150        | 4   | 8  | 12 | 188         | 3 | 8               | 18 | 5.71<br>5.46      | 6.30     | 8.42     |
| 150          | 159<br>168.3 | 161.1<br>170.5 | 285              | 22            | 22   | 22    | 240 | 55 | 175        | 4.5 | 10 | 12 | 212         | 3 | 8               | 22 | 6.72<br>6.57      | 7.75     | 10.4     |
| 175          | 193.7        | 196.1          | 315              | 24            | 24   | 24    | 270 | 60 | 210        | 5.4 | 10 | 12 | 242         | 3 | 8               | 22 | 8.45              | 9.85     | 14       |
| 200          | 219.1        | 221.8          | 340              | 24            | 24   | 24    | 295 | 62 | 235        | 5.9 | 10 | 16 | 268         | 3 | 8               | 22 | 9.31              | 11.3     | 16       |
| 250          | 267<br>273   | 270.2<br>276.2 | 395              | 26            | 26   | 26    | 350 | 68 | 285<br>292 | 6.3 | 12 | 16 | 320         | 4 | 12              | 22 | 12.5<br>11.9      | 14.7     | 24       |

德标法兰 10BAR Unit:mm

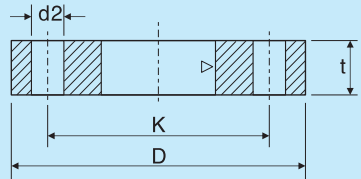
| Bore         |       |       | Common Dimension |               |      |       |       |     | Hub  |     |    |    | Raised Face |   | Drilling        |    | Approx Weight(kg) |          |          |
|--------------|-------|-------|------------------|---------------|------|-------|-------|-----|------|-----|----|----|-------------|---|-----------------|----|-------------------|----------|----------|
| Nominal Bore | d1    | d2    | D                | t             |      |       | K     | h1  | d3   | s   | r  | h2 | d4          | f | Num-ber of Bolf | d2 | Din 2576          | Din 2632 | Din 2527 |
|              |       |       |                  | Weld-ing Neck | Plat | Blind |       |     |      |     |    |    |             |   |                 |    |                   |          |          |
| 300          | 323.9 | 327.6 | 445              | 26            | 26   | 26    | 400   | 68  | 344  | 7.1 | 12 | 16 | 370         | 4 | 12              | 22 | 13.8              | 17.4     | 31.9     |
| 350          | 355.6 | 359.7 | 505              | 26            | 28   | 26    | 460   | 68  | 385  | 7.1 | 12 | 16 | 430         | 4 | 16              | 22 | 20.6              | 21.6     | 41.9     |
|              | 368   | 372.2 |                  |               |      |       |       |     |      |     |    |    |             |   |                 |    |                   |          |          |
| 400          | 406.4 | 411   | 565              | 26            | 32   | 26    | 515   | 72  | 440  | 7.1 | 12 | 16 | 482         | 4 | 16              | 26 | 27.9              | 26.2     | 51.2     |
|              | 419   | 423.7 |                  |               |      |       |       |     |      |     |    |    |             |   |                 |    |                   |          |          |
| 500          | 508   | 513.6 | 670              | 28            | 38   | 28    | 620   | 75  | 542  | 7.1 | 12 | 16 | 585         | 4 | 20              | 26 | 41.1              | 38.1     | 77.8     |
| 600          | 610   | 616.5 | 780              | 28            | 40   |       | 726   | 80  | 642  | 7.1 | 12 | 18 | 685         | 5 | 20              | 30 | 51.87             | 44.6     |          |
| 700          | 711   | 716   | 895              | 30            | 40   |       | 840   | 80  | 745  | 8   | 12 | 18 | 800         | 5 | 24              | 30 | 65.79             | 62.4     |          |
| 800          | 813   | 818   | 1015             | 32            | 44   |       | 950   | 90  | 850  | 8   | 12 | 18 | 905         | 5 | 24              | 33 | 90.87             | 84.1     |          |
| 900          | 914   | 920   | 1115             | 34            | 48   |       | 1050  | 95  | 950  | 10  | 12 | 20 | 1005        | 5 | 28              | 33 | 108.41            | 98.5     |          |
| 1000         | 1016  | 1022  | 1230             | 34            | 50   |       | 1160  | 95  | 1052 | 10  | 16 | 20 | 1110        | 5 | 28              | 36 | 133.21            | 115      |          |
| 1200         | 1220  | 1226  | 1455             | 38            | 54   |       | 1380  | 115 | 1255 | 11  | 16 | 25 | 1330        | 5 | 32              | 39 | 188.2             | 182      |          |
| 1400         | 1420  | 1426  | 1675             | 42            | 60   |       | 1590  | 120 | 1460 | 12  | 16 | 25 | 1535        | 5 | 36              | 42 | 262.14            | 248      |          |
| 1600         | 1620  | 1626  | 1915             | 46            | 64   |       | 1820  | 130 | 1665 | 14  | 16 | 25 | 1760        | 5 | 40              | 48 | 367.43            | 347      |          |
| 1800         | 1820  | 18226 | 2115             | 50            | 70   |       | 2020  | 140 | 1868 | 15  | 16 | 30 | 1960        | 5 | 44              | 48 | 447.79            | 430      |          |
| 2000         | 2020  | 2026  | 2325             | 54            | 76   |       | 2230  | 150 | 2072 | 16  | 16 | 30 | 2170        | 5 | 48              | 48 | 577.77            | 539      |          |
| 2200         | 2220  | 2226  | 2550             | 58            | 82   |       | 2440  | 160 | 2275 | 18  | 18 | 35 | 2370        | 6 | 52              | 56 | 699.88            | 658      |          |
| 2400         | 2420  | 2426  | 2760             | 62            | 88   |       | 2650  | 170 | 2478 | 20  | 20 | 35 | 2570        | 6 | 56              | 56 | 844.48            | 825      |          |
| 2600         | 2620  | 2626  | 2960             | 66            | 94   |       | 2850  | 180 | 2680 | 22  | 22 | 40 | 2780        | 6 | 60              | 56 | 972.23            | 979      |          |
| 2800         | 2820  | 2826  | 3180             | 70            | 100  |       | 30701 | 190 | 882  | 22  | 22 | 40 | 3000        | 6 | 64              | 56 | 1187.1            | 1156     |          |
| 3000         | 3020  | 3026  | 3405             | 75            | 106  |       | 3290  | 200 | 3085 | 24  | 24 | 45 | 3210        | 6 | 68              | 62 | 1422.06           | 1420     |          |

德标法兰 10BAR FLANGES/  
DIN2576 SLIP-ON FLANGES/  
DIN2527  
BLIND FLANGES/DIN2632  
WELDING NECK FLANGES

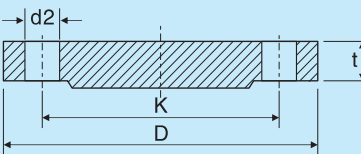


德标法兰 10BAR FLANGES/  
DIN2576 SLIP-ON FLANGES/  
DIN2527  
BLIND FLANGES/DIN2632  
WELDING NECK FLANGES

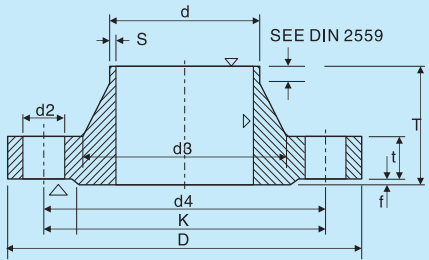
Slip on



Blind



Welding Neck



德标法兰 DIN 16BAR FLANGES/DIN2576 SLIP-ON FLANGES/DIN2527  
BLIND FLANGES/DIN2633 WELDING NECK FLANGES

德标法兰 16BAR Unit:mm

| Bore         |              |                | Common Dimension |               |      |       |     |    | Hub |     |    |    | Raised Face |   | Drilling        |    | Approx Weight(kg) |          |          |
|--------------|--------------|----------------|------------------|---------------|------|-------|-----|----|-----|-----|----|----|-------------|---|-----------------|----|-------------------|----------|----------|
| Nominal Bore | d1           | d2             | D                | t             |      |       | K   | h1 | d3  | s   | r  | h2 | d4          | f | Num-ber of Bolf | d2 | Din 2576          | Din 2631 | Din 2527 |
|              |              |                |                  | Weld-ing Neck | Plat | Blind |     |    |     |     |    |    |             |   |                 |    |                   |          |          |
| 10           | 14<br>17.2   | 14.5<br>17.7   | 90               | 14            | 14   | 14    | 60  | 35 | 25  | 1.8 | 4  | 6  | 40          | 2 | 4               | 14 | 0.613<br>0.605    | 0.580    | 0.63     |
| 15           | 20<br>21.3   | 21<br>22       | 95               | 14            | 14   | 14    | 65  | 35 | 30  | 2   | 4  | 6  | 45          | 2 | 4               | 14 | 0.675<br>0.669    | 0.648    | 0.72     |
| 20           | 25<br>26.9   | 26<br>27.6     | 105              | 16            | 16   | 16    | 75  | 38 | 38  | 2.3 | 4  | 6  | 58          | 2 | 4               | 14 | 0.943<br>0.936    | 0.952    | 1.01     |
| 25           | 30<br>33.7   | 31<br>34.4     | 115              | 16            | 16   | 16    | 85  | 38 | 42  | 2.6 | 4  | 6  | 68          | 2 | 4               | 14 | 1.14<br>1.11      | 1.14     | 1.23     |
| 32           | 38<br>42.4   | 39<br>43.1     | 140              | 16            | 16   | 16    | 100 | 40 | 52  | 2.6 | 6  | 6  | 78          | 2 | 4               | 18 | 1.66<br>1.62      | 1.69     | 1.8      |
| 40           | 44.5<br>48.3 | 45.5<br>49     | 150              | 16            | 16   | 16    | 110 | 42 | 60  | 2.6 | 6  | 7  | 88          | 3 | 4               | 18 | 1.89<br>1.86      | 1.86     | 2.09     |
| 50           | 57<br>60.3   | 58.1<br>61.1   | 165              | 18            | 18   | 18    | 125 | 45 | 72  | 2.9 | 6  | 8  | 102         | 3 | 4               | 18 | 2.51<br>2.47      | 2.53     | 2.88     |
| 65           | 76.1         | 77.1           | 185              | 18            | 18   | 18    | 145 | 45 | 90  | 2.9 | 6  | 9  | 122         | 3 | 4               | 18 | 3                 | 3.06     | 3.66     |
| 80           | 88.9         | 90.3           | 200              | 20            | 20   | 20    | 160 | 50 | 105 | 3.2 | 8  | 10 | 138         | 3 | 8               | 18 | 3.79              | 3.70     | 4.77     |
| 100          | 108<br>114.3 | 109.6<br>115.9 | 220              | 20            | 20   | 20    | 180 | 52 | 125 | 3.6 | 8  | 10 | 158         | 3 | 8               | 18 | 4.2<br>4.03       | 4.62     | 5.65     |
| 125          | 133<br>139.7 | 134.8<br>141.6 | 250              | 22            | 22   | 22    | 210 | 55 | 150 | 4   | 8  | 12 | 188         | 3 | 8               | 18 | 5.71<br>5.46      | 6.30     | 8.42     |
| 150          | 159<br>168.3 | 161.1<br>170.5 | 285              | 22            | 22   | 22    | 240 | 55 | 175 | 4.5 | 10 | 12 | 212         | 3 | 8               | 22 | 6.72<br>6.57      | 7.75     | 10.4     |
| 175          | 193.7        | 196.1          | 315              | 24            | 24   | 24    | 270 | 60 | 210 | 5.4 | 10 | 12 | 242         | 3 | 8               | 22 | 8.45              | 9.85     | 14       |
| 200          | 219.1        | 221.8          | 340              | 24            | 24   | 24    | 295 | 62 | 235 | 5.9 | 10 | 16 | 268         | 3 | 12              | 22 | 9.31              | 11       | 16.1     |
| 250          | 267<br>273   | 270.2<br>276.2 | 405              | 26            | 26   | 26    | 355 | 70 | 285 | 6.3 | 12 | 16 | 320         | 3 | 12              | 26 | 13.4              | 15.6     | 24.9     |
| 300          | 323.9        | 327.6          | 395              | 28            | 28   | 28    | 410 | 78 | 344 | 7.1 | 12 | 16 | 378         | 4 | 12              | 26 | 17.4              | 22       | 35.1     |

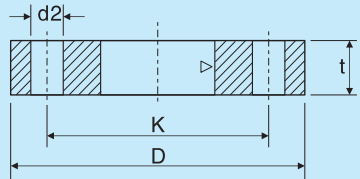
德标法兰 DIN 16BAR FLANGES/DIN2576 SLIP-ON FLANGES/DIN2527  
BLIND FLANGES/DIN2633 WELDING NECK FLANGES

德标法兰 16BAR Unit:mm

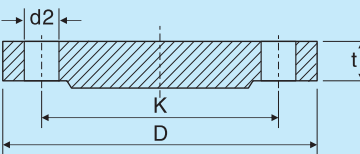
| Bore         |              |                | Common Dimension |               |      |       |      |     | Hub  |      |    |    | Raised Face |   | Drilling        |    | Approx Weight(kg) |          |          |
|--------------|--------------|----------------|------------------|---------------|------|-------|------|-----|------|------|----|----|-------------|---|-----------------|----|-------------------|----------|----------|
| Nominal Bore | d1           | d2             | D                | t             |      |       | K    | h1  | d3   | s    | r  | h2 | d4          | f | Num-ber of Bolt | d2 | Din 2576          | Din 2633 | Din 2527 |
|              |              |                |                  | Weld-ing Neck | Plat | Blind |      |     |      |      |    |    |             |   |                 |    |                   |          |          |
| 350          | 355.6<br>368 | 359.7<br>372.2 | 520              | 30            | 30   | 30    | 470  | 82  | 390  | 8    | 12 | 16 | 438         | 4 | 16              | 26 | 26.6              | 28.8     | 47.8     |
| 400          | 406.4<br>419 | 411<br>423.7   | 580              | 32            | 32   | 32    | 525  | 85  | 445  | 8    | 12 | 16 | 490         | 4 | 16              | 30 | 30.9              | 36.3     | 63.5     |
| 500          | 508          | 513.6          | 715              | 34            | 38   | 34    | 650  | 90  | 548  | 8    | 12 | 16 | 610         | 4 | 20              | 33 | 54                | 61       | 102      |
| 600          | 610          | 616.5          | 840              | 36            | 42   | 36    | 770  | 95  | 652  | 8.8  | 12 | 18 | 725         | 4 | 20              | 36 | 77.58             | 75.4     | 149.7    |
| 700          | 711          | 716            | 910              | 36            | 44   | 36    | 840  | 100 | 755  | 8.8  | 12 | 18 | 795         | 5 | 24              | 36 | 77.13             | 77       | 173.7    |
| 800          | 813          | 818            | 1025             | 38            | 50   | 38    | 950  | 105 | 855  | 10   | 12 | 20 | 900         | 5 | 24              | 39 | 106.35            | 101      | 235.5    |
| 900          | 914          | 920            | 1125             | 40            | 54   | 40    | 1050 | 110 | 955  | 10   | 12 | 20 | 1000        | 5 | 28              | 39 | 125.39            | 122      | 298.8    |
| 1000         | 1016         | 1022           | 1255             | 42            | 60   | 42    | 1170 | 120 | 1058 | 10   | 12 | 22 | 1115        | 5 | 28              | 42 | 177.99            | 162      | 390.7    |
| 1200         | 1220         | 1226           | 1485             | 48            | 68   | 48    | 1390 | 130 | 1262 | 12.5 | 16 | 30 | 1330        | 5 | 32              | 48 | 263.46            | 243      | 624.8    |
| 1400         | 1420         | 1426           | 1685             | 52            | 74   | 52    | 1590 | 145 | 1465 | 14.2 | 16 | 30 | 1530        | 5 | 36              | 48 | 329.77            | 323      | 872.6    |
| 1600         | 1620         | 1626           | 1930             | 58            | 82   | 58    | 1820 | 160 | 1668 | 16   | 16 | 35 | 1750        | 5 | 40              | 56 | 483.11            | 479      | 1275.1   |
| 1800         | 1820         | 18226          | 2130             | 62            | 88   | 62    | 2020 | 170 | 1870 | 17.5 | 16 | 35 | 1950        | 5 | 44              | 56 | 577.63            | 599      | 1661.9   |
| 2000         | 2020         | 2026           | 2345             | 66            | 94   | 66    | 2230 | 180 | 2072 | 20   | 16 | 40 | 2150        | 5 | 48              | 62 | 720.85            | 719      | 2142.1   |

德标法兰 10BAR FLANGES/  
DIN2576 SLIP-ON FLANGES/  
DIN2527  
BLIND FLANGES/DIN2632  
WELDING NECK FLANGES

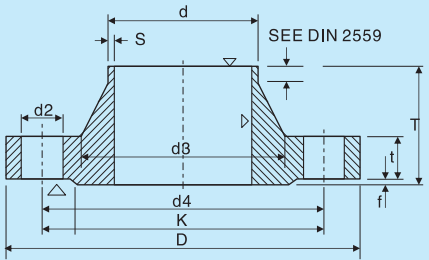
Slip on



Blind

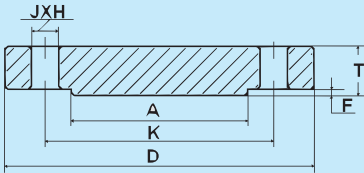


Welding Neck





BS标准法兰  
BS FLANGE



BS4504-105 PN10

| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| BS4504<br>105 PN10<br>盲板法兰 | 15       | 95      | 65       | 14      | 4       | 16      | 45       | 2        | 0.71       | 0.64       |
|                            | 20       | 105     | 75       | 14      | 4       | 18      | 58       | 2        | 1.01       | 0.93       |
|                            | 25       | 115     | 85       | 14      | 4       | 18      | 68       | 2        | 1.23       | 1.13       |
|                            | 32       | 140     | 100      | 18      | 4       | 18      | 78       | 2        | 1.81       | 1.66       |
|                            | 40       | 150     | 110      | 18      | 4       | 18      | 88       | 3        | 2.35       | 2.11       |
|                            | 50       | 165     | 125      | 18      | 4       | 18      | 102      | 3        | 2.88       | 2.59       |
|                            | 65       | 185     | 145      | 18      | 4       | 18      | 122      | 3        | 4.06       | 3.73       |
|                            | 80       | 200     | 160      | 18      | 8       | 20      | 138      | 3        | 4.62       | 4.28       |
|                            | 100      | 220     | 180      | 18      | 8       | 20      | 158      | 3        | 6.22       | 5.83       |
|                            | 125      | 250     | 210      | 18      | 8       | 22      | 188      | 3        | 8.13       | 7.68       |
|                            | 150      | 285     | 240      | 22      | 8       | 22      | 212      | 3        | 11.45      | 10.85      |
|                            | 200      | 340     | 295      | 22      | 8       | 24      | 268      | 3        | 16.54      | 15.81      |
|                            | 250      | 395     | 350      | 22      | 12      | 26      | 320      | 3        | 24.10      | 23.21      |
|                            | 300      | 445     | 400      | 22      | 12      | 26      | 370      | 4        | 30.84      | 29.47      |
|                            | 350      | 505     | 460      | 22      | 16      | 26      | 430      | 4        | 39.67      | 38.13      |
|                            | 400      | 565     | 515      | 26      | 16      | 26      | 482      | 4        | 49.47      | 47.6       |

|     |     |     |    |    |    |     |   |        |        |
|-----|-----|-----|----|----|----|-----|---|--------|--------|
| 450 | 615 | 565 | 26 | 20 | 28 | 532 | 4 | 63.01  | 60.99  |
| 500 | 670 | 620 | 26 | 20 | 28 | 585 | 4 | 75.22  | 72.92  |
| 600 | 780 | 725 | 30 | 20 | 34 | 685 | 5 | 123.85 | 120.12 |

BS4504-105 PN16

| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| BS4504<br>105 PN16<br>盲板法兰 | 15       | 95      | 65       | 14      | 4       | 14      | 45       | 2        | 0.71       | 0.64       |
|                            | 20       | 105     | 75       | 14      | 4       | 16      | 58       | 2        | 1.01       | 0.93       |
|                            | 25       | 115     | 85       | 14      | 4       | 16      | 68       | 2        | 1.23       | 1.13       |
|                            | 32       | 140     | 100      | 18      | 4       | 16      | 78       | 2        | 1.81       | 1.66       |
|                            | 40       | 150     | 110      | 18      | 4       | 18      | 88       | 3        | 2.35       | 2.11       |
|                            | 50       | 165     | 125      | 18      | 4       | 18      | 102      | 3        | 2.88       | 2.59       |
|                            | 65       | 185     | 145      | 18      | 4       | 20      | 122      | 3        | 4.06       | 3.73       |
|                            | 80       | 200     | 160      | 18      | 8       | 20      | 138      | 3        | 4.62       | 4.28       |
|                            | 100      | 220     | 180      | 18      | 8       | 22      | 158      | 3        | 6.22       | 5.83       |
|                            | 125      | 250     | 210      | 18      | 8       | 22      | 188      | 3        | 8.13       | 7.68       |
|                            | 150      | 285     | 240      | 22      | 8       | 24      | 212      | 3        | 11.45      | 10.85      |
|                            | 200      | 340     | 295      | 22      | 12      | 26      | 268      | 3        | 17.61      | 16.91      |
|                            | 250      | 405     | 355      | 26      | 12      | 28      | 320      | 3        | 26.94      | 25.95      |
|                            | 300      | 460     | 410      | 26      | 12      | 30      | 378      | 4        | 37.67      | 36.17      |
|                            | 350      | 520     | 470      | 26      | 16      | 32      | 438      | 4        | 51.25      | 49.58      |
|                            | 400      | 580     | 525      | 30      | 16      | 36      | 490      | 4        | 71.52      | 69.50      |

|     |     |     |    |    |    |     |   |        |        |
|-----|-----|-----|----|----|----|-----|---|--------|--------|
| 450 | 640 | 585 | 30 | 20 | 36 | 550 | 4 | 86.98  | 84.78  |
| 500 | 715 | 650 | 33 | 20 | 44 | 610 | 4 | 132.87 | 129.98 |
| 600 | 840 | 770 | 36 | 20 | 48 | 725 | 5 | 201.29 | 196.54 |

BS4505 Blind Flange

| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| BS4504<br>105 PN25<br>盲板法兰 | 15       | 95      | 65       | 14      | 4       | 16      | 45       | 2        | 0.81       | 0.74       |
|                            | 20       | 105     | 75       | 14      | 4       | 18      | 58       | 2        | 1.14       | 1.05       |
|                            | 25       | 115     | 85       | 14      | 4       | 18      | 68       | 2        | 1.38       | 1.29       |
|                            | 32       | 140     | 100      | 18      | 4       | 18      | 78       | 2        | 2.03       | 1.88       |
|                            | 40       | 150     | 110      | 18      | 4       | 18      | 88       | 3        | 2.35       | 2.11       |
|                            | 50       | 165     | 125      | 18      | 4       | 20      | 102      | 3        | 3.20       | 2.91       |
|                            | 65       | 185     | 145      | 18      | 8       | 22      | 122      | 3        | 4.29       | 3.98       |
|                            | 80       | 200     | 160      | 18      | 8       | 24      | 138      | 3        | 5.54       | 5.20       |
|                            | 100      | 235     | 190      | 22      | 8       | 24      | 162      | 3        | 7.60       | 7.14       |
|                            | 125      | 270     | 220      | 26      | 8       | 26      | 188      | 3        | 10.83      | 10.23      |
|                            | 150      | 300     | 250      | 26      | 8       | 28      | 218      | 3        | 14.61      | 13.93      |
|                            | 200      | 360     | 310      | 26      | 12      | 30      | 278      | 3        | 22.49      | 21.67      |
|                            | 250      | 425     | 370      | 30      | 12      | 32      | 335      | 3        | 33.53      | 32.46      |
|                            | 300      | 485     | 430      | 30      | 16      | 34      | 395      | 4        | 46.32      | 44.73      |
|                            | 350      | 555     | 490      | 33      | 16      | 38      | 450      | 4        | 68.13      | 65.96      |
|                            | 400      | 620     | 550      | 36      | 16      | 40      | 505      | 4        | 89.75      | 87.07      |

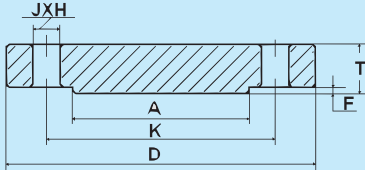
|     |     |     |    |    |    |     |   |        |        |
|-----|-----|-----|----|----|----|-----|---|--------|--------|
| 450 | 670 | 600 | 36 | 20 | 44 | 555 | 4 | 114.83 | 111.99 |
| 500 | 730 | 660 | 36 | 20 | 45 | 615 | 4 | 140.76 | 137.59 |
| 600 | 845 | 770 | 39 | 20 | 54 | 720 | 5 | 227.76 | 222.67 |

BS4504-105 PN40

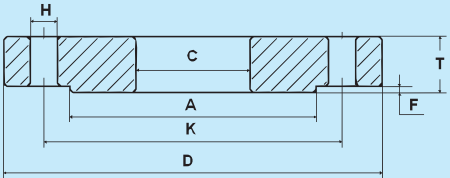
| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| BS4504<br>105 PN40<br>盲板法兰 | 10       | 90      | 60       | 14      | 4       | 16      | 40       | 2        | 0.72       | 0.65       |
|                            | 15       | 95      | 65       | 14      | 4       | 16      | 45       | 2        | 0.81       | 0.74       |
|                            | 20       | 105     | 75       | 14      | 4       | 18      | 58       | 2        | 1.14       | 1.05       |
|                            | 25       | 115     | 85       | 14      | 4       | 18      | 68       | 2        | 1.38       | 1.29       |
|                            | 32       | 140     | 100      | 18      | 4       | 18      | 78       | 2        | 2.03       | 1.88       |
|                            | 40       | 150     | 110      | 18      | 4       | 18      | 88       | 3        | 2.35       | 2.11       |
|                            | 50       | 165     | 125      | 18      | 4       | 20      | 102      | 3        | 3.20       | 2.91       |
|                            | 65       | 185     | 145      | 18      | 8       | 22      | 122      | 3        | 4.29       | 3.98       |
|                            | 80       | 200     | 160      | 18      | 8       | 24      | 138      | 3        | 5.54       | 5.20       |
|                            | 100      | 235     | 190      | 22      | 8       | 24      | 162      | 3        | 7.60       | 7.14       |
|                            | 125      | 270     | 220      | 26      | 8       | 26      | 188      | 3        | 10.83      | 10.23      |
|                            | 150      | 300     | 250      | 26      | 8       | 28      | 218      | 3        | 14.61      | 13.93      |
|                            | 200      | 375     | 320      | 30      | 12      | 34      | 285      | 3        | 27.23      | 26.34      |
|                            | 250      | 450     | 385      | 33      | 12      | 38      | 345      | 3        | 44.41      | 43.11      |
|                            | 300      | 515     | 450      | 33      | 16      | 42      | 410      | 4        | 64.22      | 62.25      |
|                            | 350      | 580     | 510      | 36      | 16      | 46      | 465      | 4        | 89.59      | 87.14      |

|     |     |     |    |    |    |     |   |        |        |
|-----|-----|-----|----|----|----|-----|---|--------|--------|
| 400 | 660 | 585 | 39 | 16 | 50 | 535 | 4 | 126.87 | 123.79 |
| 450 | 685 | 610 | 39 | 20 | 54 | 560 | 4 | 146.20 | 143.11 |
| 500 | 755 | 670 | 42 | 20 | 56 | 615 | 4 | 184.77 | 180.90 |
| 600 | 890 | 795 | 48 | 20 | 70 | 735 | 5 | 322.21 | 315.86 |

BS标准法兰  
BS FLANGE



EN1092-1/2 / BS4504  
Plate Flange  
Type 01



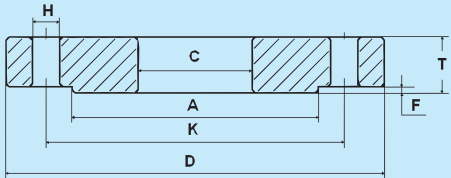
| 压力<br>PN                      | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>-- | 内径<br>C | 盘高<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|-------------------------------|----------|---------|----------|---------|----------|---------|---------|----------|----------|------------|------------|
| EN1092<br>101<br>PN10<br>平板法兰 | 15       | 95      | 65       | 14      | 4        | 22      | 14      | 45       | 2        | 0.67       | 0.59       |
|                               | 20       | 105     | 75       | 14      | 4        | 27.5    | 16      | 58       | 2        | 0.94       | 0.85       |
|                               | 25       | 115     | 85       | 14      | 4        | 34.5    | 16      | 68       | 2        | 1.11       | 1.01       |
|                               | 32       | 140     | 100      | 18      | 4        | 43.5    | 18      | 78       | 2        | 1.82       | 1.67       |
|                               | 40       | 150     | 110      | 18      | 4        | 49.5    | 18      | 88       | 3        | 2.08       | 1.83       |
|                               | 50       | 165     | 125      | 18      | 4        | 61.5    | 19/20   | 102      | 3        | 2.60/2.73  | 2.31/2.45  |
|                               | 65       | 185     | 145      | 18      | 4        | 77.5    | 20      | 122      | 3        | 3.32       | 2.99       |
|                               | 80       | 200     | 160      | 18      | 8        | 90.5    | 20      | 138      | 3        | 3.61       | 3.27       |
|                               | 100      | 220     | 180      | 18      | 8        | 116     | 22      | 158      | 3        | 4.39       | 4.01       |
|                               | 125      | 250     | 210      | 18      | 8        | 141.5   | 22      | 188      | 3        | 5.41       | 4.96       |
|                               | 150      | 285     | 240      | 22      | 8        | 170.5   | 24      | 212      | 3        | 7.15       | 6.55       |
|                               | 200      | 340     | 295      | 22      | 8        | 221.5   | 24      | 268      | 3        | 9.28       | 8.54       |
|                               | 250      | 395     | 350      | 22      | 12       | 276.5   | 26      | 320      | 3        | 11.83      | 10.95      |
|                               | 300      | 445     | 400      | 22      | 12       | 327.5   | 26      | 370      | 4        | 13.63      | 12.26      |
|                               | 350      | 505     | 460      | 22      | 16       | 359.5   | 28      | 430      | 4        | 20.39      | 18.85      |
|                               | 400      | 565     | 515      | 26      | 16       | 411     | 32      | 482      | 4        | 27.54      | 25.66      |
|                               | 450      | 615     | 565      | 26      | 20       | 462     | 36      | 532      | 4        | 33.6       | 31.58      |
|                               | 500      | 670     | 620      | 26      | 20       | 513.5   | 38      | 585      | 4        | 40.26      | 37.96      |
|                               | 600      | 780     | 725      | 30      | 20       | 616.5   | 42      | 685      | 5        | 54.5       | 50.77      |

| 压力<br>PN                      | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>-- | 内径<br>C | 盘高<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|-------------------------------|----------|---------|----------|---------|----------|---------|---------|----------|----------|------------|------------|
| EN1092<br>101<br>PN16<br>平板法兰 | 15       | 95      | 65       | 14      | 4        | 22      | 14      | 45       | 2        | 0.67       | 0.59       |
|                               | 20       | 105     | 75       | 14      | 4        | 27.5    | 16      | 58       | 2        | 0.94       | 0.85       |
|                               | 25       | 115     | 85       | 14      | 4        | 34.5    | 16      | 68       | 2        | 1.11       | 1.01       |
|                               | 32       | 140     | 100      | 18      | 4        | 43.5    | 18      | 78       | 2        | 1.82       | 1.67       |
|                               | 40       | 150     | 110      | 18      | 4        | 49.5    | 18      | 88       | 3        | 2.08       | 1.83       |
|                               | 50       | 165     | 125      | 18      | 4        | 61.5    | 19/20   | 102      | 3        | 2.60/2.73  | 2.31/2.45  |
|                               | 65       | 185     | 145      | 18      | 4        | 77.5    | 20      | 122      | 3        | 3.32       | 2.99       |
|                               | 80       | 200     | 160      | 18      | 8        | 90.5    | 20      | 138      | 3        | 3.61       | 3.27       |
|                               | 100      | 220     | 180      | 18      | 8        | 116     | 22      | 158      | 3        | 4.39       | 4.01       |
|                               | 125      | 250     | 210      | 18      | 8        | 141.5   | 22      | 188      | 3        | 5.41       | 4.96       |
|                               | 150      | 285     | 240      | 22      | 8        | 170.5   | 24      | 212      | 3        | 7.15       | 6.55       |
|                               | 200      | 340     | 295      | 22      | 12       | 221.5   | 26      | 268      | 3        | 9.74       | 9.04       |
|                               | 250      | 405     | 355      | 26      | 12       | 276.5   | 29      | 320      | 3        | 14.22      | 13.23      |
|                               | 300      | 460     | 410      | 26      | 12       | 327.5   | 32      | 378      | 4        | 19.00      | 17.5       |
|                               | 350      | 520     | 470      | 26      | 16       | 359.5   | 35      | 438      | 4        | 28.23      | 26.55      |
|                               | 400      | 580     | 525      | 30      | 16       | 411     | 38      | 490      | 4        | 35.89      | 33.87      |
|                               | 450      | 640     | 585      | 30      | 20       | 462     | 42      | 550      | 4        | 46.17      | 43.97      |
|                               | 500      | 715     | 650      | 33      | 20       | 513.5   | 46      | 610      | 4        | 64.08      | 61.18      |
|                               | 600      | 840     | 770      | 36      | 20       | 616.5   | 52      | 725      | 5        | 96.13      | 91.37      |

| 压力<br>PN                      | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>— | 内径<br>C | 盘高<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|-------------------------------|----------|---------|----------|---------|---------|---------|---------|----------|----------|------------|------------|
| EN1092<br>101<br>PN25<br>平板法兰 | 15       | 95      | 65       | 14      | 4       | 22      | 14      | 45       | 2        | 0.67       | 0.59       |
|                               | 20       | 105     | 75       | 14      | 4       | 27.5    | 16      | 58       | 2        | 0.94       | 0.85       |
|                               | 25       | 115     | 85       | 14      | 4       | 34.5    | 16      | 68       | 2        | 1.11       | 1.01       |
|                               | 32       | 140     | 100      | 18      | 4       | 43.5    | 18      | 78       | 2        | 1.82       | 1.67       |
|                               | 40       | 150     | 110      | 18      | 4       | 49.5    | 18      | 88       | 3        | 2.08       | 1.83       |
|                               | 50       | 165     | 125      | 18      | 4       | 61.5    | 20      | 102      | 3        | 2.73       | 2.45       |
|                               | 65       | 185     | 145      | 18      | 8       | 77.5    | 22      | 122      | 3        | 3.48       | 3.17       |
|                               | 80       | 200     | 160      | 18      | 8       | 90.5    | 24      | 138      | 3        | 4.33       | 3.99       |
|                               | 100      | 235     | 190      | 22      | 8       | 116     | 26      | 162      | 3        | 6.08       | 5.61       |
|                               | 125      | 270     | 220      | 26      | 8       | 141.5   | 28      | 188      | 3        | 8.20       | 7.61       |
|                               | 150      | 300     | 250      | 26      | 8       | 170.5   | 30      | 218      | 3        | 10.28      | 9.59       |
|                               | 200      | 360     | 310      | 26      | 12      | 221.5   | 32      | 278      | 3        | 14.30      | 13.48      |
|                               | 250      | 425     | 370      | 30      | 12      | 276.5   | 35      | 335      | 3        | 20.16      | 19.1       |
|                               | 300      | 485     | 430      | 30      | 16      | 327.5   | 38      | 395      | 4        | 26.63      | 25.03      |
|                               | 350      | 555     | 490      | 33      | 16      | 359.5   | 42      | 450      | 4        | 41.82      | 39.64      |
|                               | 400      | 620     | 550      | 36      | 16      | 411     | 46      | 505      | 4        | 55.27      | 52.59      |
|                               | 450      | 670     | 600      | 36      | 20      | 462     | 50      | 555      | 4        | 64.64      | 61.8       |
|                               | 500      | 730     | 660      | 36      | 20      | 513.5   | 56      | 615      | 4        | 84.06      | 80.89      |
|                               | 600      | 845     | 770      | 39      | 20      | 616.5   | 68      | 720      | 5        | 127.35     | 122.25     |

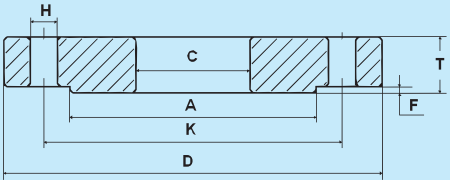
| 压力<br>PN                      | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>— | 内径<br>C | 盘高<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|-------------------------------|----------|---------|----------|---------|---------|---------|---------|----------|----------|------------|------------|
| EN1092<br>101<br>PN40<br>平板法兰 | 15       | 95      | 65       | 14      | 4       | 22      | 14      | 45       | 2        | 0.67       | 0.59       |
|                               | 20       | 105     | 75       | 14      | 4       | 27.5    | 16      | 58       | 2        | 0.94       | 0.85       |
|                               | 25       | 115     | 85       | 14      | 4       | 34.5    | 16      | 68       | 2        | 1.11       | 1.01       |
|                               | 32       | 140     | 100      | 18      | 4       | 43.5    | 18      | 78       | 2        | 1.82       | 1.67       |
|                               | 40       | 150     | 110      | 18      | 4       | 49.5    | 18      | 88       | 3        | 2.08       | 1.83       |
|                               | 50       | 165     | 125      | 18      | 4       | 61.5    | 20      | 102      | 3        | 2.73       | 2.45       |
|                               | 65       | 185     | 145      | 18      | 8       | 77.5    | 22      | 122      | 3        | 3.48       | 3.17       |
|                               | 80       | 200     | 160      | 18      | 8       | 90.5    | 24      | 138      | 3        | 4.33       | 3.99       |
|                               | 100      | 235     | 190      | 22      | 8       | 116     | 26      | 162      | 3        | 6.08       | 5.61       |
|                               | 125      | 270     | 220      | 26      | 8       | 141.5   | 28      | 188      | 3        | 8.2        | 7.61       |
|                               | 150      | 300     | 250      | 26      | 8       | 170.5   | 30      | 218      | 3        | 10.28      | 9.59       |
|                               | 200      | 375     | 320      | 30      | 12      | 221.5   | 36      | 285      | 3        | 17.94      | 17.04      |
|                               | 250      | 450     | 385      | 33      | 12      | 276.5   | 42      | 345      | 3        | 29.28      | 27.97      |
|                               | 300      | 515     | 450      | 33      | 16      | 327.5   | 48      | 410      | 4        | 41.62      | 39.66      |
|                               | 350      | 580     | 510      | 36      | 16      | 359.5   | 54      | 465      | 4        | 62.11      | 59.66      |
|                               | 400      | 660     | 585      | 39      | 16      | 411     | 60      | 535      | 4        | 89.72      | 86.63      |

EN1092-1/2 / BS4504  
Plate Flange  
Type 01





EN1092-1 / 2Blind  
FlangeType 05  
盲板法兰



| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| EN1092<br>105 PN10<br>盲板法兰 | 10       | 90      | 60       | 14      | 4       | 16      | 40       | 2        | 0.72       | 0.65       |
|                            | 15       | 95      | 65       | 14      | 4       | 16      | 45       | 2        | 0.81       | 0.74       |
|                            | 20       | 105     | 75       | 14      | 4       | 18      | 58       | 2        | 1.14       | 1.05       |
|                            | 25       | 115     | 85       | 14      | 4       | 18      | 68       | 2        | 1.38       | 1.29       |
|                            | 32       | 140     | 100      | 18      | 4       | 18      | 78       | 2        | 2.03       | 1.88       |
|                            | 40       | 150     | 110      | 18      | 4       | 18      | 88       | 3        | 2.35       | 2.11       |
|                            | 50       | 165     | 125      | 18      | 4       | 18      | 102      | 3        | 2.88       | 2.59       |
|                            | 65       | 185     | 145      | 18      | 4       | 18      | 122      | 3        | 3.66       | 3.32       |
|                            | 80       | 200     | 160      | 18      | 8       | 20      | 138      | 3        | 4.62       | 4.28       |
|                            | 100      | 220     | 180      | 18      | 8       | 20      | 158      | 3        | 5.65       | 5.27       |
|                            | 125      | 250     | 210      | 18      | 8       | 22      | 188      | 3        | 8.13       | 7.68       |
|                            | 150      | 285     | 240      | 22      | 8       | 22      | 212      | 3        | 10.5       | 9.9        |
|                            | 200      | 340     | 295      | 22      | 8       | 24      | 268      | 3        | 16.54      | 15.81      |
|                            | 250      | 395     | 350      | 22      | 12      | 26      | 320      | 3        | 24.1       | 23.21      |
|                            | 300      | 445     | 400      | 22      | 12      | 26      | 370      | 4        | 30.84      | 29.47      |
|                            | 350      | 505     | 460      | 22      | 16      | 26      | 430      | 4        | 39.67      | 38.13      |
|                            | 400      | 565     | 515      | 26      | 16      | 26      | 482      | 4        | 49.47      | 47.6       |
|                            | 450      | 615     | 565      | 26      | 20      | 28      | 532      | 4        | 63.01      | 60.99      |
|                            | 500      | 670     | 620      | 26      | 20      | 28      | 585      | 4        | 75.22      | 72.92      |
|                            | 600      | 780     | 725      | 30      | 20      | 34      | 685      | 5        | 123.85     | 120.12     |

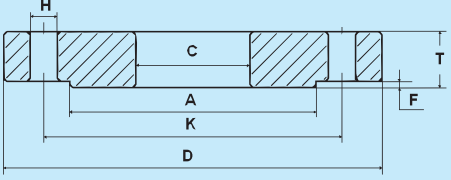
| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| EN1092<br>105 PN16<br>盲板法兰 | 15       | 95      | 65       | 14      | 4       | 16      | 45       | 2        | 0.81       | 0.74       |
|                            | 20       | 105     | 75       | 14      | 4       | 18      | 58       | 2        | 1.14       | 1.05       |
|                            | 25       | 115     | 85       | 14      | 4       | 18      | 68       | 2        | 1.38       | 1.29       |
|                            | 32       | 140     | 100      | 18      | 4       | 18      | 78       | 2        | 2.03       | 1.88       |
|                            | 40       | 150     | 110      | 18      | 4       | 18      | 88       | 3        | 2.35       | 2.11       |
|                            | 50       | 165     | 125      | 18      | 4       | 18      | 102      | 3        | 2.88       | 2.59       |
|                            | 65       | 185     | 145      | 18      | 4       | 18      | 122      | 3        | 3.66       | 3.32       |
|                            | 80       | 200     | 160      | 18      | 8       | 20      | 138      | 3        | 4.62       | 4.28       |
|                            | 100      | 220     | 180      | 18      | 8       | 20      | 158      | 3        | 5.65       | 5.27       |
|                            | 125      | 250     | 210      | 18      | 8       | 22      | 188      | 3        | 8.13       | 7.68       |
|                            | 150      | 285     | 240      | 22      | 8       | 22      | 212      | 3        | 10.5       | 9.9        |
|                            | 200      | 340     | 295      | 22      | 12      | 24      | 268      | 3        | 16.26      | 15.56      |
|                            | 250      | 405     | 355      | 26      | 12      | 26      | 320      | 3        | 25.01      | 24.02      |
|                            | 300      | 460     | 410      | 26      | 12      | 28      | 378      | 4        | 35.15      | 33.66      |
|                            | 350      | 520     | 470      | 26      | 16      | 30      | 438      | 4        | 48.05      | 46.38      |
|                            | 400      | 580     | 525      | 30      | 16      | 32      | 490      | 4        | 63.58      | 61.55      |
|                            | 450      | 640     | 585      | 30      | 20      | 40      | 550      | 4        | 96.65      | 94.45      |
|                            | 500      | 715     | 650      | 33      | 20      | 44      | 610      | 4        | 132.87     | 129.98     |
|                            | 600      | 840     | 770      | 36      | 20      | 54      | 725      | 5        | 226.46     | 221.7      |
|                            | 800      | 1025    | 950      | 39      | 24      | 62      | 900      | 5        | 387.94     | 381.64     |

| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| EN1092<br>105 PN25<br>盲板法兰 | 15       | 95      | 65       | 14      | 4       | 16      | 45       | 2        | 0.81       | 0.74       |
|                            | 20       | 105     | 75       | 14      | 4       | 18      | 58       | 2        | 1.14       | 1.05       |
|                            | 25       | 115     | 85       | 14      | 4       | 18      | 68       | 2        | 1.38       | 1.29       |
|                            | 32       | 140     | 100      | 18      | 4       | 18      | 78       | 2        | 2.03       | 1.88       |
|                            | 40       | 150     | 110      | 18      | 4       | 18      | 88       | 3        | 2.35       | 2.11       |
|                            | 50       | 165     | 125      | 18      | 4       | 20      | 102      | 3        | 3.2        | 2.91       |
|                            | 65       | 185     | 145      | 18      | 8       | 22      | 122      | 3        | 4.29       | 3.98       |
|                            | 80       | 200     | 160      | 18      | 8       | 24      | 138      | 3        | 5.54       | 5.2        |
|                            | 100      | 235     | 190      | 22      | 8       | 24      | 162      | 3        | 7.6        | 7.14       |
|                            | 125      | 270     | 220      | 26      | 8       | 26      | 188      | 3        | 10.83      | 10.23      |
|                            | 150      | 300     | 250      | 26      | 8       | 28      | 218      | 3        | 14.61      | 13.93      |
|                            | 200      | 360     | 310      | 26      | 12      | 30      | 278      | 3        | 22.49      | 21.67      |
|                            | 250      | 425     | 370      | 30      | 12      | 32      | 335      | 3        | 33.53      | 32.46      |
|                            | 300      | 485     | 430      | 30      | 16      | 34      | 395      | 4        | 46.32      | 44.73      |
|                            | 350      | 555     | 490      | 33      | 16      | 38      | 450      | 4        | 68.13      | 65.96      |
|                            | 400      | 620     | 550      | 36      | 16      | 40      | 505      | 4        | 89.75      | 87.07      |
|                            | 450      | 670     | 600      | 36      | 20      | 50      | 555      | 4        | 130.49     | 127.65     |
|                            | 500      | 730     | 660      | 36      | 20      | 51      | 615      | 4        | 159.53     | 156.35     |
|                            | 600      | 845     | 770      | 39      | 20      | 66      | 720      | 5        | 278.38     | 273.28     |

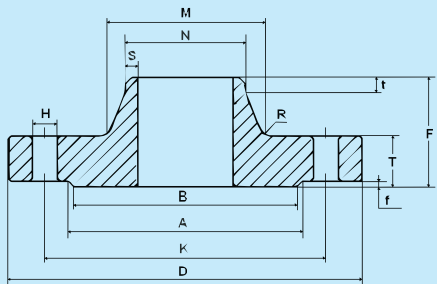
| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| EN1092<br>105 PN40<br>盲板法兰 | 15       | 95      | 65       | 14      | 4       | 16      | 45       | 2        | 0.81       | 0.74       |
|                            | 20       | 105     | 75       | 14      | 4       | 18      | 58       | 2        | 1.14       | 1.05       |
|                            | 25       | 115     | 85       | 14      | 4       | 18      | 68       | 2        | 1.38       | 1.29       |
|                            | 32       | 140     | 100      | 18      | 4       | 18      | 78       | 2        | 2.03       | 1.88       |
|                            | 40       | 150     | 110      | 18      | 4       | 18      | 88       | 3        | 2.35       | 2.11       |
|                            | 50       | 165     | 125      | 18      | 4       | 20      | 102      | 3        | 3.2        | 2.91       |
|                            | 65       | 185     | 145      | 18      | 8       | 22      | 122      | 3        | 4.29       | 3.98       |
|                            | 80       | 200     | 160      | 18      | 8       | 24      | 138      | 3        | 5.54       | 5.2        |
|                            | 100      | 235     | 190      | 22      | 8       | 24      | 162      | 3        | 7.6        | 7.14       |
|                            | 125      | 270     | 220      | 26      | 8       | 26      | 188      | 3        | 10.83      | 10.23      |
|                            | 150      | 300     | 250      | 26      | 8       | 28      | 218      | 3        | 14.61      | 13.93      |
|                            | 200      | 375     | 320      | 30      | 12      | 36      | 285      | 3        | 28.84      | 27.94      |
|                            | 250      | 450     | 385      | 33      | 12      | 38      | 345      | 3        | 44.41      | 43.11      |
|                            | 300      | 515     | 450      | 33      | 16      | 42      | 410      | 4        | 64.22      | 62.25      |
|                            | 350      | 580     | 510      | 36      | 16      | 46      | 465      | 4        | 89.59      | 87.14      |
|                            | 400      | 660     | 585      | 39      | 16      | 50      | 535      | 4        | 126.87     | 123.79     |
|                            | 450      | 685     | 610      | 39      | 20      | 57      | 560      | 4        | 154.32     | 151.23     |
|                            | 500      | 755     | 670      | 42      | 20      | 57      | 615      | 4        | 188.06     | 184.2      |
|                            | 600      | 890     | 795      | 48      | 20      | 72      | 735      | 5        | 331.41     | 325.06     |

| 压力<br>PN                   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>H | 厚度<br>T | 水线台<br>A | 水线高<br>F | FF单重<br>KG | RF单重<br>KG |
|----------------------------|----------|---------|----------|---------|---------|---------|----------|----------|------------|------------|
| EN1092<br>105 PN63<br>盲板法兰 | 15       | 105     | 75       | 14      | 4       | 20      | 45       | 2        | 1.26       | 1.16       |
|                            | 20       | 130     | 90       | 18      | 4       | 22      | 58       | 2        | 2.12       | 1.97       |
|                            | 25       | 140     | 100      | 18      | 4       | 24      | 68       | 2        | 2.71       | 2.54       |
|                            | 32       | 155     | 110      | 22      | 4       | 24      | 78       | 2        | 3.27       | 3.07       |
|                            | 40       | 170     | 125      | 22      | 4       | 26      | 88       | 3        | 4.33       | 3.97       |
|                            | 50       | 180     | 135      | 22      | 4       | 26      | 102      | 3        | 4.87       | 4.52       |
|                            | 65       | 205     | 160      | 22      | 8       | 26      | 122      | 3        | 6.12       | 5.69       |
|                            | 80       | 215     | 170      | 22      | 8       | 28      | 138      | 3        | 7.32       | 6.89       |
|                            | 100      | 250     | 200      | 26      | 8       | 30      | 162      | 3        | 10.57      | 10         |
|                            | 125      | 295     | 240      | 30      | 8       | 34      | 188      | 3        | 16.75      | 15.92      |
|                            | 150      | 345     | 280      | 33      | 8       | 36      | 218      | 3        | 24.5       | 23.34      |
|                            | 200      | 415     | 345      | 36      | 12      | 42      | 285      | 3        | 40.6       | 39.2       |
|                            | 250      | 470     | 400      | 36      | 12      | 46      | 345      | 3        | 58.28      | 56.68      |
|                            | 300      | 530     | 460      | 36      | 16      | 52      | 410      | 4        | 83.47      | 81.2       |
|                            | 350      | 600     | 525      | 39      | 16      | 56      | 465      | 4        | 115.98     | 113.03     |
|                            | 400      | 670     | 585      | 42      | 16      | 60      | 535      | 4        | 155.73     | 152.42     |

EN1092-1 / 2Blind  
FlangeType 05  
盲板法兰



EN1092-1 / 2  
WELDING-NECKTYPE 11



| 压力<br>PN   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>— | 小头<br>N | 盘厚<br>T | 总高<br>F | 直径<br>t | 大头<br>M | R<br>R | 水线台<br>A | 水线高<br>f | 壁厚<br>S | 内径<br>— | RF单重<br>KG | FF单重<br>KG |
|------------|----------|---------|----------|---------|---------|---------|---------|---------|---------|---------|--------|----------|----------|---------|---------|------------|------------|
| EN1092-1/2 | 10       | 90      | 60       | 14      | 4       | 17.2    | 16      | 35      | 6       | 28      | 4      | 40       | 2        | 1.8     | 15.2    | 0.66       | 0.73       |
|            | 15       | 95      | 65       | 14      | 4       | 21.3    | 16      | 38      | 6       | 32      | 4      | 45       | 2        | 2       | 17.3    | 0.76       | 0.84       |
|            | 20       | 105     | 75       | 14      | 4       | 26.9    | 18      | 40      | 6       | 40      | 4      | 58       | 2        | 2.3     | 22.9    | 1.07       | 1.16       |
|            | 25       | 115     | 85       | 14      | 4       | 33.7    | 18      | 40      | 6       | 49      | 4      | 68       | 2        | 2.6     | 29.7    | 1.28       | 1.38       |
|            | 32       | 140     | 100      | 18      | 4       | 42.4    | 18      | 42      | 6       | 56      | 6      | 78       | 2        | 2.6     | 38.4    | 1.86       | 2.01       |
|            | 40       | 150     | 110      | 18      | 4       | 48.3    | 18      | 45      | 7       | 64      | 6      | 88       | 3        | 2.6     | 44.3    | 2.09       | 2.34       |
|            | 50       | 165     | 125      | 18      | 4       | 60.3    | 18      | 45      | 8       | 74      | 5      | 102      | 3        | 2.9     | 56.3    | 2.46       | 2.75       |
|            | 65       | 185     | 145      | 18      | 4       | 76.1    | 18      | 45      | 10      | 92      | 6      | 122      | 3        | 2.9     | 72.1    | 3.06       | 3.39       |
|            | 80       | 200     | 160      | 18      | 8       | 88.9    | 20      | 50      | 10      | 105     | 6      | 138      | 3        | 3.2     | 82.9    | 3.90       | 4.24       |
|            | 100      | 220     | 180      | 18      | 8       | 114     | 20      | 52      | 12      | 131     | 8      | 158      | 3        | 3.6     | 108.3   | 4.47       | 4.86       |
| Welding    | 125      | 250     | 210      | 18      | 8       | 140     | 22      | 55      | 12      | 156     | 8      | 188      | 3        | 4       | 131.7   | 6.24       | 6.70       |
|            | 150      | 285     | 240      | 22      | 8       | 168     | 22      | 55      | 12      | 184     | 10     | 212      | 3        | 4.5     | 160.3   | 7.50       | 8.10       |
| -neck      | 200      | 340     | 295      | 22      | 8       | 219     | 24      | 62      | 16      | 234     | 10     | 268      | 3        | 6.3     | 207.1   | 11.43      | 12.17      |
|            | 250      | 395     | 350      | 22      | 12      | 273     | 26      | 68      | 16      | 292     | 12     | 320      | 3        | 6.3     | 261.0   | 15.31      | 16.20      |
|            | 300      | 445     | 400      | 22      | 12      | 324     | 26      | 68      | 16      | 342     | 12     | 370      | 4        | 7.1     | 309.9   | 17.90      | 19.27      |
|            | 350      | 505     | 460      | 22      | 16      | 356     | 26      | 68      | 16      | 385     | 12     | 430      | 4        | 7.1     | 341.6   | 24.70      | 26.24      |
|            | 400      | 565     | 515      | 26      | 16      | 406     | 26      | 72      | 16      | 440     | 12     | 482      | 4        | 7.1     | 392.4   | 30.03      | 31.90      |
|            | 450      | 615     | 565      | 26      | 20      | 457     | 28      | 72      | 16      | 488     | 12     | 532      | 4        | 7.1     | 443.0   | 34.42      | 36.43      |
|            | 500      | 670     | 620      | 26      | 20      | 508     | 28      | 75      | 16      | 542     | 12     | 585      | 4        | 7.1     | 494.0   | 39.92      | 42.22      |
|            | 600      | 780     | 725      | 30      | 20      | 610     | 30      | 82      | 18      | 642     | 12     | 685      | 5        | 7.1     | 594.0   | 52.76      | 56.50      |

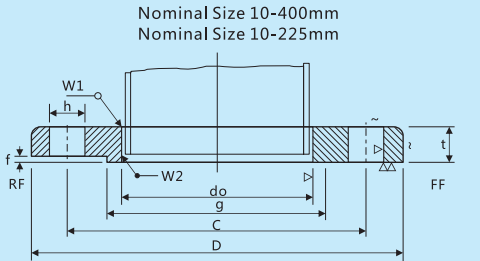
| 压力<br>PN   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>— | 小头<br>N | 盘厚<br>T | 总高<br>F | 直径<br>t | 大头<br>M | R<br>R | 水线台<br>A | 水线高<br>f | 壁厚<br>S | 内径<br>— | RF单重<br>KG | FF单重<br>KG |
|------------|----------|---------|----------|---------|---------|---------|---------|---------|---------|---------|--------|----------|----------|---------|---------|------------|------------|
| EN1092–1/2 | 10       | 90      | 60       | 14      | 4       | 17.2    | 16      | 35      | 6       | 28      | 4      | 40       | 2        | 1.8     | 15.2    | 0.66       | 0.73       |
|            | 15       | 95      | 65       | 14      | 4       | 21.3    | 16      | 38      | 6       | 32      | 4      | 45       | 2        | 2       | 17.3    | 0.76       | 0.84       |
|            | 20       | 105     | 75       | 14      | 4       | 26.9    | 18      | 40      | 6       | 40      | 4      | 58       | 2        | 2.3     | 22.9    | 1.07       | 1.16       |
|            | 25       | 115     | 85       | 14      | 4       | 33.7    | 18      | 40      | 6       | 46      | 4      | 68       | 2        | 2.6     | 29.7    | 1.28       | 1.38       |
|            | 32       | 140     | 100      | 18      | 4       | 42.4    | 18      | 42      | 6       | 56      | 6      | 78       | 2        | 2.6     | 38.4    | 1.86       | 2.01       |
|            | 40       | 150     | 110      | 18      | 4       | 48.3    | 18      | 45      | 7       | 64      | 6      | 88       | 3        | 2.6     | 44.3    | 2.09       | 2.34       |
| PN16       | 50       | 165     | 125      | 18      | 4       | 60.3    | 18      | 45      | 8       | 74      | 5      | 102      | 3        | 2.9     | 56.3    | 2.46       | 2.75       |
|            | 65       | 185     | 145      | 18      | 4       | 76.1    | 18      | 45      | 10      | 92      | 6      | 122      | 3        | 2.9     | 72.1    | 3.06       | 3.39       |
| Welding    | 80       | 200     | 160      | 18      | 8       | 88.9    | 20      | 50      | 10      | 105     | 6      | 138      | 3        | 3.2     | 82.9    | 3.90       | 4.24       |
|            | 100      | 220     | 180      | 18      | 8       | 114     | 20      | 52      | 12      | 131     | 8      | 158      | 3        | 3.6     | 108.3   | 4.47       | 4.86       |
| –neck      | 125      | 250     | 210      | 18      | 8       | 140     | 22      | 55      | 12      | 156     | 8      | 188      | 3        | 4       | 131.7   | 6.24       | 6.70       |
|            | 150      | 285     | 240      | 22      | 8       | 168     | 22      | 55      | 12      | 184     | 10     | 212      | 3        | 4.5     | 160.3   | 7.50       | 8.10       |
|            | 200      | 340     | 295      | 22      | 12      | 219     | 24      | 62      | 16      | 235     | 10     | 268      | 3        | 6.3     | 207.1   | 11.43      | 11.94      |
|            | 250      | 405     | 355      | 26      | 12      | 273     | 26      | 70      | 16      | 292     | 12     | 320      | 3        | 6.3     | 261.0   | 16.27      | 17.26      |
|            | 300      | 460     | 410      | 26      | 12      | 324     | 28      | 78      | 16      | 344     | 12     | 378      | 4        | 7.1     | 309.9   | 21.84      | 23.34      |
|            | 350      | 520     | 470      | 26      | 16      | 356     | 30      | 82      | 16      | 390     | 12     | 438      | 4        | 7.1     | 339.6   | 32.62      | 34.29      |
|            | 400      | 580     | 525      | 30      | 16      | 406     | 32      | 85      | 16      | 445     | 12     | 490      | 4        | 7.1     | 390.4   | 40.88      | 42.90      |
|            | 450      | 640     | 585      | 30      | 20      | 457     | 40      | 87      | 16      | 490     | 12     | 550      | 4        | 7.1     | 441.0   | 55.07      | 57.27      |
|            | 500      | 715     | 650      | 33      | 20      | 508     | 44      | 90      | 16      | 548     | 12     | 610      | 4        | 7.1     | 492.0   | 74.68      | 77.58      |
|            | 600      | 840     | 770      | 36      | 20      | 610     | 54      | 95      | 18      | 652     | 12     | 725      | 5        | 7.1     | 594.0   | 115.61     | 120.36     |

EN1092-1 / 2 WELDING-NECKTYPE 11

| 压力<br>PN   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>— | 小头<br>N | 盘厚<br>T | 总高<br>F | 直径<br>t | 大头<br>M | R  | 水线台<br>A | 水线高<br>f | 壁厚<br>S | 内径<br>— | RF单重<br>KG | FF单重<br>KG |
|------------|----------|---------|----------|---------|---------|---------|---------|---------|---------|---------|----|----------|----------|---------|---------|------------|------------|
| EN1092—1/2 | 10       | 90      | 60       | 14      | 4       | 17.2    | 16      | 35      | 6       | 28      | 4  | 40       | 2        | 1.8     | 13.6    | 0.67       | 0.74       |
|            | 15       | 95      | 65       | 14      | 4       | 21.3    | 16      | 38      | 6       | 32      | 4  | 45       | 2        | 2       | 17.3    | 0.76       | 0.84       |
|            | 20       | 105     | 75       | 14      | 4       | 26.9    | 18      | 40      | 6       | 40      | 4  | 58       | 2        | 2.3     | 22.3    | 1.08       | 1.17       |
|            | 25       | 115     | 85       | 14      | 4       | 33.7    | 18      | 40      | 6       | 46      | 4  | 68       | 2        | 2.6     | 28.5    | 1.30       | 1.40       |
|            | 32       | 140     | 100      | 18      | 4       | 42.4    | 18      | 42      | 6       | 56      | 6  | 78       | 2        | 2.6     | 37.2    | 1.88       | 2.03       |
|            | 40       | 150     | 110      | 18      | 4       | 48.3    | 18      | 45      | 7       | 64      | 6  | 88       | 3        | 2.6     | 43.1    | 2.12       | 2.36       |
|            | 50       | 165     | 125      | 18      | 4       | 60.3    | 20      | 48      | 8       | 75      | 6  | 102      | 3        | 2.9     | 54.5    | 2.82       | 3.11       |
|            | 65       | 185     | 145      | 18      | 8       | 76.1    | 22      | 52      | 10      | 90      | 6  | 122      | 3        | 2.9     | 70.3    | 3.67       | 3.98       |
|            | 80       | 200     | 160      | 18      | 8       | 88.9    | 24      | 58      | 12      | 105     | 8  | 138      | 3        | 3.2     | 82.5    | 4.74       | 5.08       |
|            | 100      | 235     | 190      | 22      | 8       | 114     | 24      | 65      | 12      | 134     | 8  | 162      | 3        | 3.6     | 107.1   | 6.44       | 6.90       |
| Welding    | 125      | 270     | 220      | 26      | 8       | 140     | 26      | 68      | 12      | 162     | 8  | 188      | 3        | 4       | 131.7   | 8.85       | 9.45       |
|            | 150      | 300     | 250      | 26      | 8       | 168     | 28      | 75      | 12      | 192     | 10 | 218      | 3        | 4.5     | 159.3   | 11.60      | 12.28      |
| —neck      | 200      | 360     | 310      | 26      | 12      | 219     | 30      | 80      | 16      | 244     | 10 | 278      | 3        | 6.3     | 206.5   | 17.16      | 17.97      |
|            | 250      | 425     | 370      | 30      | 12      | 273     | 32      | 88      | 18      | 298     | 12 | 335      | 3        | 7.1     | 258.8   | 24.26      | 25.33      |
|            | 300      | 485     | 430      | 30      | 16      | 324     | 34      | 92      | 18      | 352     | 12 | 395      | 4        | 8       | 307.7   | 31.78      | 33.38      |
|            | 350      | 555     | 490      | 33      | 16      | 356     | 38      | 100     | 20      | 398     | 12 | 450      | 4        | 8       | 339.6   | 49.11      | 51.29      |
|            | 400      | 620     | 550      | 36      | 16      | 406     | 40      | 110     | 20      | 452     | 12 | 505      | 4        | 8.8     | 388.8   | 64.04      | 66.72      |
|            | 450      | 670     | 600      | 36      | 20      | 457     | 46      | 110     | 20      | 500     | 12 | 555      | 4        | 8.8     | 439.4   | 76.59      | 79.42      |
|            | 500      | 730     | 660      | 36      | 20      | 508     | 48      | 125     | 20      | 558     | 12 | 615      | 4        | 10      | 488.0   | 98.27      | 101.45     |
|            | 600      | 845     | 770      | 39      | 20      | 610     | 58      | 125     | 20      | 660     | 12 | 720      | 5        | 11      | 588.0   | 139.57     | 144.67     |

| 压力<br>PN   | 通径<br>DN | 外径<br>D | 中心距<br>K | 孔径<br>H | 孔数<br>— | 小头<br>N | 盘厚<br>T | 总高<br>F | 直径<br>t | 大头<br>M | R   | 水线台<br>A | 水线高<br>f | 壁厚<br>S | 内径<br>— | RF单重<br>KG | FF单重<br>KG |       |
|------------|----------|---------|----------|---------|---------|---------|---------|---------|---------|---------|-----|----------|----------|---------|---------|------------|------------|-------|
| EN1092-1/2 | 10       | 90      | 60       | 14      | 4       | 17.2    | 16      | 35      | 6       | 28      | 4   | 40       | 2        | 1.8     | 13.6    | 0.67       | 0.74       |       |
|            | 15       | 95      | 65       | 14      | 4       | 21.3    | 16      | 38      | 6       | 32      | 4   | 45       | 2        | 2       | 17.3    | 0.76       | 0.84       |       |
|            | 20       | 105     | 75       | 14      | 4       | 26.9    | 18      | 40      | 6       | 40      | 4   | 58       | 2        | 2.3     | 22.3    | 1.08       | 1.17       |       |
|            | 25       | 115     | 85       | 14      | 4       | 33.7    | 18      | 40      | 6       | 46      | 4   | 68       | 2        | 2.6     | 28.5    | 1.30       | 1.40       |       |
|            | 32       | 140     | 100      | 18      | 4       | 42.4    | 18      | 42      | 6       | 56      | 6   | 78       | 2        | 2.6     | 37.2    | 1.88       | 2.03       |       |
|            | 40       | 150     | 110      | 18      | 4       | 48.3    | 18      | 45      | 7       | 64      | 6   | 88       | 3        | 2.6     | 43.1    | 2.12       | 2.36       |       |
|            | 50       | 165     | 125      | 18      | 4       | 60.3    | 20      | 48      | 8       | 75      | 6   | 102      | 3        | 2.9     | 54.5    | 2.82       | 3.11       |       |
|            | 65       | 185     | 145      | 18      | 8       | 76.1    | 22      | 52      | 10      | 90      | 6   | 122      | 3        | 2.9     | 70.3    | 3.67       | 3.98       |       |
|            | 80       | 200     | 160      | 18      | 8       | 88.9    | 24      | 58      | 12      | 105     | 8   | 138      | 3        | 3.2     | 82.5    | 4.74       | 5.08       |       |
|            | PN40     | 100     | 235      | 190     | 22      | 8       | 114     | 24      | 65      | 12      | 134 | 8        | 162      | 3       | 3.6     | 107.1      | 6.44       | 6.90  |
|            | 125      | 270     | 220      | 26      | 8       | 140     | 26      | 68      | 12      | 162     | 8   | 188      | 3        | 4       | 131.7   | 8.85       | 9.45       |       |
|            | Welding  | 150     | 300      | 250     | 26      | 8       | 168     | 28      | 75      | 12      | 192 | 10       | 218      | 3       | 4.5     | 159.3      | 11.60      | 12.28 |
|            | 200      | 375     | 320      | 30      | 12      | 219     | 34      | 88      | 16      | 244     | 10  | 285      | 3        | 6.3     | 206.5   | 21.05      | 21.95      |       |
|            | -neck    | 250     | 450      | 385     | 33      | 12      | 273     | 38      | 105     | 18      | 306 | 12       | 345      | 3       | 7.1     | 258.8      | 34.37      | 35.67 |
|            | 300      | 515     | 450      | 33      | 16      | 324     | 42      | 115     | 18      | 362     | 12  | 410      | 4        | 8       | 307.7   | 47.96      | 49.92      |       |
|            | 350      | 580     | 510      | 36      | 16      | 356     | 46      | 125     | 20      | 408     | 12  | 465      | 4        | 8.8     | 338.0   | 70.08      | 72.53      |       |
| 400        | 660      | 585     | 39       | 16      | 406     | 50      | 135     | 20      | 462     | 12      | 535 | 4        | 11       | 384.4   | 99.58   | 102.67     |            |       |
| 450        | 685      | 610     | 39       | 20      | 457     | 57      | 135     | 20      | 500     | 12      | 560 | 4        | 12.5     | 432.0   | 105.98  | 109.07     |            |       |
| 500        | 755      | 670     | 42       | 20      | 508     | 57      | 140     | 20      | 562     | 12      | 615 | 4        | 14.2     | 479.6   | 132.09  | 135.96     |            |       |
| 600        | 890      | 795     | 48       | 20      | 610     | 72      | 150     | 20      | 666     | 12      | 735 | 5        | 16       | 578.0   | 211.79  | 218.11     |            |       |

JIS FLANGE  
日标法兰



日标法兰 5K KS B 1503/JIS B 2220 Unit:mm

| Nominal<br>Pipe<br>Size | Outside<br>Dia. of<br>Applicable<br>Pipe | Inside<br>Dia. of<br>Flange | Outside<br>Dia. of<br>Flange | Sectional Dimensions of Flange |    |             |      |              |                | Drilling                  |                           |                         |               | Welding                 |       |       |      |
|-------------------------|------------------------------------------|-----------------------------|------------------------------|--------------------------------|----|-------------|------|--------------|----------------|---------------------------|---------------------------|-------------------------|---------------|-------------------------|-------|-------|------|
|                         |                                          |                             |                              | t                              | T  | Dia. of Hub |      | Radi-<br>sus | Raised<br>Face | Dia. of<br>Raised<br>Face | Dia. of<br>Bolt<br>Circle | Number of<br>Bolt Holes | Holes<br>Dia. | Nominal<br>Bolt<br>Size | Sop   | BI    | Soh  |
|                         |                                          |                             |                              |                                |    | a           | b    |              |                |                           |                           |                         |               |                         |       |       |      |
| (10)                    | 17.3                                     | 17.8                        | 75                           | 9                              | -  | -           | -    | -            | 1              | 39                        | 55                        | 4                       | 12            | M10                     | 0.27  | 0.3   | -    |
| 15                      | 21.7                                     | 22.2                        | 80                           | 9                              | -  | -           | -    | -            | 1              | 44                        | 60                        | 4                       | 12            | M10                     | 0.30  | 0.4   | -    |
| (20)                    | 27.2                                     | 27.7                        | 85                           | 10                             | -  | -           | -    | -            | 1              | 49                        | 65                        | 4                       | 12            | M10                     | 0.37  | 0.5   | -    |
| 25                      | 34.0                                     | 34.5                        | 95                           | 10                             | -  | -           | -    | -            | 1              | 59                        | 75                        | 4                       | 12            | M10                     | 0.45  | 0.6   | -    |
| (32)                    | 42.7                                     | 43.2                        | 115                          | 12                             | -  | -           | -    | -            | 2              | 70                        | 90                        | 4                       | 15            | M12                     | 0.78  | 0.9   | -    |
| 40                      | 48.6                                     | 49.1                        | 120                          | 12                             | -  | -           | -    | -            | 2              | 75                        | 95                        | 4                       | 15            | M12                     | 0.83  | 1.0   | -    |
| 50                      | 60.5                                     | 61.1                        | 130                          | 14                             | -  | -           | -    | -            | 2              | 85                        | 105                       | 4                       | 15            | M12                     | 1.07  | 1.4   | -    |
| 65                      | 76.3                                     | 77.1                        | 155                          | 14                             | -  | -           | -    | -            | 2              | 110                       | 130                       | 4                       | 15            | M12                     | 1.49  | 2.0   | -    |
| 80                      | 89.1                                     | 90.0                        | 180                          | 14                             | -  | -           | -    | -            | 2              | 121                       | 145                       | 4                       | 19            | M16                     | 1.99  | 2.7   | -    |
| (90)                    | 101.6                                    | 102.6                       | 190                          | 14                             | -  | -           | -    | -            | 2              | 131                       | 155                       | 4                       | 19            | M16                     | 2.09  | 3.0   | -    |
| 100                     | 114.3                                    | 115.4                       | 200                          | 16                             | -  | -           | -    | -            | 2              | 141                       | 165                       | 8                       | 19            | M16                     | 2.39  | 3.7   | -    |
| 125                     | 139.8                                    | 141.2                       | 235                          | 16                             | -  | -           | -    | -            | 2              | 176                       | 200                       | 8                       | 19            | M16                     | 3.23  | 5.2   | -    |
| 150                     | 165.2                                    | 166.6                       | 265                          | 18                             | -  | -           | -    | -            | 2              | 206                       | 230                       | 8                       | 19            | M16                     | 4.41  | 7.5   | -    |
| (175)                   | 190.7                                    | 192.1                       | 300                          | 18                             | -  | -           | -    | -            | 2              | 232                       | 260                       | 8                       | 23            | M20                     | 5.51  | 9.5   | -    |
| 200                     | 216.3                                    | 218.0                       | 320                          | 20                             | -  | -           | -    | -            | 2              | 252                       | 280                       | 8                       | 23            | M20                     | 6.33  | 12.2  | -    |
| (225)                   | 241.8                                    | 243.7                       | 345                          | 20                             | -  | -           | -    | -            | 2              | 277                       | 305                       | 12                      | 23            | M20                     | 6.64  | 14.0  | -    |
| 250                     | 267.4                                    | 269.5                       | 385                          | 22                             | -  | -           | -    | -            | 2              | 317                       | 345                       | 12                      | 23            | M20                     | 9.45  | 19.3  | -    |
| 300                     | 318.5                                    | 321.0                       | 430                          | 22                             | -  | -           | -    | -            | 3              | 360                       | 390                       | 12                      | 23            | M20                     | 10.3  | 24.3  | -    |
| 350                     | 355.6                                    | 358.1                       | 480                          | 24                             | -  | -           | -    | -            | 3              | 403                       | 435                       | 12                      | 25            | M22                     | 14.0  | 33.2  | -    |
| 400                     | 406.4                                    | 409.0                       | 540                          | 24                             | -  | -           | -    | -            | 3              | 463                       | 495                       | 16                      | 25            | M22                     | 16.9  | 41.9  | -    |
| 450                     | 457.2                                    | 460.0                       | 605                          | 24                             | 40 | 495         | 500  | 5            | 3              | 523                       | 555                       | 16                      | 25            | M22                     | 21.6  | 53.0  | 24.8 |
| 500                     | 508.0                                    | 511.0                       | 655                          | 24                             | 40 | 546         | 552  | 5            | 3              | 573                       | 605                       | 20                      | 25            | M22                     | 23.1  | 61.9  | 26.9 |
| 550                     | 558.8                                    | 562.0                       | 720                          | 26                             | 42 | 597         | 603  | 5            | 3              | 630                       | 665                       | 20                      | 27            | M24                     | 30.3  | 81.2  | 34.1 |
| 600                     | 609.6                                    | 613.0                       | 770                          | 26                             | 44 | 648         | 654  | 5            | 3              | 680                       | 715                       | 20                      | 27            | M24                     | 32.7  | 93.2  | 37.5 |
| 650                     | 660.4                                    | 664.0                       | 825                          | 26                             | 48 | 702         | 708  | 5            | 3              | 735                       | 770                       | 24                      | 27            | M24                     | 35.9  | 106.9 | 42.8 |
| 700                     | 711.2                                    | 715.0                       | 875                          | 26                             | 48 | 751         | 758  | 5            | 3              | 785                       | 820                       | 24                      | 27            | M24                     | 38.2  | 120.6 | 45.4 |
| 750                     | 762.0                                    | 766.0                       | 945                          | 28                             | 52 | 802         | 810  | 5            | 3              | 840                       | 880                       | 24                      | 33            | M30                     | 48.7  | 150.5 | 57.4 |
| 800                     | 812.8                                    | 817.0                       | 995                          | 28                             | 52 | 854         | 862  | 5            | 3              | 890                       | 930                       | 24                      | 33            | M30                     | 51.2  | 167.4 | 60.8 |
| 850                     | 863.6                                    | 868.0                       | 1045                         | 28                             | 54 | 904         | 912  | 5            | 3              | 940                       | 980                       | 24                      | 33            | M30                     | 54.4  | 185.1 | 63.5 |
| 900                     | 914.4                                    | 919.0                       | 1095                         | 30                             | 56 | 956         | 964  | 5            | 3              | 990                       | 1030                      | 24                      | 33            | M30                     | 61.1  | 218.1 | 75.3 |
| 1000                    | 1016.0                                   | 1021.0                      | 1195                         | 32                             | 60 | 1058        | 1066 | 5            | 3              | 1090                      | 1130                      | 28                      | 33            | M30                     | 70.5  | 277.3 | 88.5 |
| ★(1100)                 | 1117.6                                   | 1123                        | 1305                         | 32                             | -  | -           | -    | -            | 3              | 1200                      | 1240                      | 28                      | 33            | M30                     | 81.7  | 331.9 | -    |
| ★1200                   | 1219.2                                   | 1225                        | 1420                         | 34                             | -  | -           | -    | -            | 3              | 1305                      | 1350                      | 32                      | 33            | M30                     | 102.0 | 417.8 | -    |
| ★1350                   | 1371.6                                   | -                           | 1575                         | 34                             | -  | -           | -    | -            | 3              | 1460                      | 1505                      | 32                      | 33            | M30                     | 115.9 | 515.6 | -    |
| ★1500                   | 1524.0                                   | -                           | 1730                         | 36                             | -  | -           | -    | -            | 3              | 1615                      | 1660                      | 36                      | 33            | M30                     | 157.4 | 659.2 | -    |

日标法兰 10K KS B 1503/JIS B 2220 Unit:mm

| Nominal<br>Pipe<br>Size | Outside<br>Dia. of<br>Applicable<br>Pipe | Inside<br>Dia. of<br>Flange | Outside<br>Dia. of<br>Flange | Sectional Dimensions of Flange |    |             |      |              |                |                           |                           | Drilling                   |               |                         |       | Welding |       |  |
|-------------------------|------------------------------------------|-----------------------------|------------------------------|--------------------------------|----|-------------|------|--------------|----------------|---------------------------|---------------------------|----------------------------|---------------|-------------------------|-------|---------|-------|--|
|                         |                                          |                             |                              | t                              | T  | Dia. of Hub |      | Radi-<br>sus | Raised<br>Face | Dia. of<br>Raised<br>Face | Dia. of<br>Bolt<br>Circle | Number<br>of Bolt<br>Holes | Holes<br>Dia. | Nominal<br>Bolt<br>Size | Sop   | Bl      | Soh   |  |
|                         |                                          |                             |                              |                                |    | a           | b    |              |                |                           |                           |                            |               |                         |       |         |       |  |
| 10                      | 17.3                                     | 17.8                        | 90                           | 12                             | -  | -           | -    | -            | 1              | 46                        | 65                        | 4                          | 15            | M12                     | 0.52  | 0.54    | -     |  |
| 15                      | 21.7                                     | 22.2                        | 95                           | 12                             | -  | -           | -    | -            | 1              | 51                        | 70                        | 4                          | 15            | M12                     | 0.57  | 0.61    | -     |  |
| 20                      | 27.2                                     | 27.7                        | 100                          | 14                             | -  | -           | -    | -            | 1              | 56                        | 75                        | 4                          | 15            | M12                     | 0.73  | 0.79    | -     |  |
| 25                      | 34.0                                     | 34.5                        | 125                          | 14                             | -  | -           | -    | -            | 1              | 67                        | 90                        | 4                          | 19            | M16                     | 1.13  | 1.24    | -     |  |
| 32                      | 42.7                                     | 43.2                        | 135                          | 16                             | -  | -           | -    | -            | 2              | 76                        | 100                       | 4                          | 19            | M16                     | 1.48  | 1.66    | -     |  |
| 40                      | 48.6                                     | 49.1                        | 140                          | 16                             | -  | -           | -    | -            | 2              | 81                        | 105                       | 4                          | 19            | M16                     | 1.56  | 1.81    | -     |  |
| 50                      | 60.5                                     | 61.1                        | 155                          | 16                             | -  | -           | -    | -            | 2              | 86                        | 120                       | 4                          | 19            | M16                     | 1.88  | 2.23    | -     |  |
| 65                      | 76.3                                     | 77.1                        | 175                          | 18                             | -  | -           | -    | -            | 2              | 116                       | 140                       | 4                          | 19            | M16                     | 2.60  | 3.3     | -     |  |
| 80                      | 89.1                                     | 90.0                        | 185                          | 18                             | -  | -           | -    | -            | 2              | 126                       | 150                       | 8                          | 19            | M16                     | 2.61  | 3.5     | -     |  |
| (90)                    | 101.6                                    | 102.6                       | 195                          | 18                             | -  | -           | -    | -            | 2              | 136                       | 160                       | 8                          | 19            | M16                     | 2.76  | 4.0     | -     |  |
| 100                     | 114.3                                    | 115.4                       | 210                          | 18                             | -  | -           | -    | -            | 2              | 151                       | 175                       | 8                          | 19            | M16                     | 3.14  | 4.6     | -     |  |
| 125                     | 139.8                                    | 141.2                       | 250                          | 20                             | -  | -           | -    | -            | 2              | 182                       | 210                       | 8                          | 23            | M20                     | 4.77  | 7.3     | -     |  |
| 150                     | 165.2                                    | 166.6                       | 280                          | 22                             | -  | -           | -    | -            | 2              | 212                       | 240                       | 8                          | 23            | M20                     | 6.34  | 10.1    | -     |  |
| (175)                   | 190.7                                    | 192.1                       | 305                          | 22                             | -  | -           | -    | -            | 2              | 237                       | 265                       | 12                         | 23            | M20                     | 6.82  | 11.8    | -     |  |
| 200                     | 216.3                                    | 218.0                       | 330                          | 22                             | -  | -           | -    | -            | 2              | 262                       | 290                       | 12                         | 23            | M20                     | 7.53  | 14.0    | -     |  |
| (225)                   | 241.8                                    | 243.7                       | 350                          | 22                             | -  | -           | -    | -            | 2              | 282                       | 310                       | 12                         | 23            | M20                     | 7.74  | 15.8    | -     |  |
| 250                     | 267.4                                    | 269.5                       | 400                          | 24                             | 36 | 288         | 29   | 6            | 2              | 324                       | 355                       | 12                         | 25            | M22                     | 11.8  | 22.7    | 12.7  |  |
| 300                     | 318.5                                    | 321.0                       | 445                          | 24                             | 38 | 340         | 346  | 6            | 3              | 368                       | 400                       | 16                         | 25            | M22                     | 12.7  | 27.8    | 13.8  |  |
| 350                     | 355.6                                    | 358.1                       | 490                          | 26                             | 42 | 380         | 386  | 6            | 3              | 413                       | 445                       | 16                         | 25            | M22                     | 16.4  | 37.1    | 18.2  |  |
| 400                     | 406.4                                    | 409.0                       | 560                          | 28                             | 44 | 436         | 442  | 6            | 3              | 475                       | 510                       | 16                         | 27            | M24                     | 23.0  | 52.5    | 25.2  |  |
| 450                     | 457.2                                    | 460.0                       | 620                          | 30                             | 48 | 496         | 502  | 6            | 3              | 530                       | 565                       | 20                         | 27            | M24                     | 29.5  | 68.8    | 33.0  |  |
| 500                     | 508.0                                    | 511.0                       | 675                          | 30                             | 48 | 548         | 554  | 6            | 3              | 585                       | 620                       | 20                         | 27            | M24                     | 33.5  | 82.1    | 37.6  |  |
| (550)                   | 558.8                                    | 562.0                       | 745                          | 32                             | 52 | 604         | 610  | 6            | 3              | 640                       | 675                       | 20                         | 33            | M24                     | 43.1  | 105.8   | 49.7  |  |
| 600                     | 609.6                                    | 613.0                       | 795                          | 32                             | 52 | 656         | 662  | 6            | 3              | 690                       | 730                       | 24                         | 33            | M30                     | 45.7  | 120.2   | 52.6  |  |
| 650                     | 660.4                                    | 664.0                       | 845                          | 34                             | 56 | 706         | 712  | 6            | 3              | 740                       | 780                       | 24                         | 33            | M30                     | 52.1  | 145.0   | 60.6  |  |
| 700                     | 711.2                                    | 715.0                       | 905                          | 34                             | 58 | 762         | 770  | 6            | 3              | 800                       | 840                       | 24                         | 33            | M30                     | 59.5  | 167.2   | 70.6  |  |
| 750                     | 762.0                                    | 766.0                       | 970                          | 36                             | 62 | 816         | 824  | 6            | 3              | 855                       | 900                       | 24                         | 33            | M30                     | 73.2  | 204.2   | 85.8  |  |
| 800                     | 812.8                                    | 817.0                       | 1020                         | 36                             | 64 | 868         | 876  | 6            | 3              | 905                       | 950                       | 28                         | 33            | M30                     | 76.4  | 225.4   | 91.2  |  |
| (850)                   | 863.6                                    | 868.0                       | 1070                         | 36                             | 66 | 920         | 928  | 6            | 3              | 955                       | 1000                      | 28                         | 33            | M30                     | 80.7  | 248.8   | 96.6  |  |
| 900                     | 914.4                                    | 919.0                       | 1120                         | 38                             | 70 | 971         | 979  | 6            | 3              | 1005                      | 1050                      | 28                         | 33            | M30                     | 84.5  | 268.4   | 109.0 |  |
| 1000                    | 1016.0                                   | 1021.0                      | 1235                         | 40                             | 74 | 1073        | 1081 | 6            | 3              | 1110                      | 1160                      | 28                         | 39            | M36                     | 109.2 | 367.7   | 133.0 |  |
| (1100)                  | 1117.6                                   | 1123                        | 1345                         | 42                             | 76 | -           | -    | -            | 3              | 1220                      | 1270                      | 28                         | 39            | M36                     | 131.6 | 460.0   | -     |  |
| 1200                    | 1219.2                                   | 1225                        | 1465                         | 44                             | 78 | -           | -    | -            | 3              | 1325                      | 1380                      | 32                         | 39            | M36                     | 163.5 | 572.2   | -     |  |
| 1350                    | 1371.6                                   | -                           | 1630                         | 48                             | 82 | -           | -    | -            | 3              | 1480                      | 1540                      | 36                         | 45            | M42                     | 204.7 | 769.0   | -     |  |
| 1500                    | 1524.0                                   | -                           | 1795                         | 50                             | 90 | -           | -    | -            | 3              | 1635                      | 1700                      | 40                         | 45            | M42                     | 250.2 | 974.9   | -     |  |

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日标法兰 16K KS B 1503/JIS B 2220 Unit:mm

| Nominal<br>Pipe<br>Size | Outside<br>Dia. of<br>Applicable<br>Pipe | Inside<br>Dia. of<br>Flange | Outside<br>Dia. of<br>Flange | Sectional Dimensions of Flange |     |              |                |                           |                        | Drilling                |               |                         |     | Welding |       |        |       |
|-------------------------|------------------------------------------|-----------------------------|------------------------------|--------------------------------|-----|--------------|----------------|---------------------------|------------------------|-------------------------|---------------|-------------------------|-----|---------|-------|--------|-------|
|                         |                                          |                             |                              | Dia. of Hub                    |     | Radi-<br>sus | Raised<br>Face | Dia. of<br>Raised<br>Face | Dia. of Bolt<br>Circle | Number of Bolt<br>Holes | Holes<br>Dia. | Nominal<br>Bolt<br>Size | Sop | Bl      | Soh   |        |       |
|                         |                                          |                             |                              | t                              | T   |              |                |                           |                        |                         |               |                         |     |         |       | a      | b     |
| 10                      | 17.3                                     | 17.8                        | 90                           | 12                             | 16  | 26           | 28             | 4                         | 1                      | 46                      | 65            | 4                       | 15  | M12     | 0.52  | 0.54   | 0.52  |
| 15                      | 21.7                                     | 22.2                        | 95                           | 12                             | 16  | 30           | 32             | 4                         | 1                      | 51                      | 70            | 4                       | 15  | M12     | 0.57  | 0.61   | 0.58  |
| 20                      | 27.2                                     | 27.7                        | 100                          | 14                             | 20  | 38           | 42             | 4                         | 1                      | 56                      | 75            | 4                       | 15  | M12     | 0.73  | 0.79   | 0.75  |
| 25                      | 34.0                                     | 34.5                        | 125                          | 14                             | 20  | 46           | 50             | 4                         | 1                      | 67                      | 90            | 4                       | 19  | M16     | 1.13  | 1.24   | 1.16  |
| 32                      | 42.7                                     | 43.2                        | 135                          | 16                             | 22  | 56           | 60             | 5                         | 2                      | 76                      | 100           | 4                       | 19  | M16     | 1.44  | 1.66   | 1.53  |
| 40                      | 48.6                                     | 49.1                        | 140                          | 16                             | 24  | 62           | 66             | 5                         | 2                      | 81                      | 105           | 4                       | 19  | M16     | 1.56  | 1.81   | 1.64  |
| 50                      | 60.5                                     | 61.1                        | 155                          | 16                             | 24  | 76           | 80             | 5                         | 2                      | 129                     | 120           | 8                       | 19  | M16     | 1.18  | 2.3    | 1.83  |
| 65                      | 76.3                                     | 77.1                        | 175                          | 18                             | 26  | 94           | 98             | 5                         | 2                      | 116                     | 140           | 8                       | 19  | M16     | 2.5   | 3.1    | 2.58  |
| 80                      | 89.1                                     | 90.0                        | 200                          | 20                             | 28  | 108          | 112            | 6                         | 2                      | 132                     | 160           | 8                       | 23  | M20     | 3.5   | 4.5    | 3.66  |
| (90)                    | 101.6                                    | 102.6                       | 210                          | 20                             | 30  | 120          | 124            | 6                         | 2                      | 145                     | 170           | 8                       | 23  | M20     | 3.7   | 5.0    | 3.95  |
| 100                     | 114.3                                    | 115.4                       | 225                          | 22                             | 34  | 134          | 138            | 6                         | 2                      | 160                     | 185           | 8                       | 23  | M20     | 4.5   | 6.3    | 4.84  |
| 125                     | 139.8                                    | 141.2                       | 270                          | 22                             | 34  | 164          | 170            | 6                         | 2                      | 195                     | 225           | 8                       | 25  | M22     | 6.5   | 9.2    | 7.00  |
| 150                     | 168.2                                    | 168.6                       | 305                          | 24                             | 38  | 196          | 202            | 6                         | 2                      | 230                     | 260           | 12                      | 25  | M22     | 8.7   | 12.8   | 9.62  |
| 200                     | 216.3                                    | 218.0                       | 350                          | 26                             | 40  | 242          | 252            | 6                         | 2                      | 305                     | 325           | 12                      | 25  | M22     | 10.9  | 18.5   | 12.1  |
| 250                     | 267.4                                    | 269.5                       | 430                          | 28                             | 44  | 304          | 312            | 6                         | 2                      | 345                     | 380           | 12                      | 27  | M24     | 18.0  | 30.6   | 20.0  |
| 300                     | 318.5                                    | 321.0                       | 480                          | 30                             | 48  | 354          | 364            | 8                         | 3                      | 395                     | 430           | 16                      | 27  | M24     | 21.5  | 40.7   | 24.4  |
| 350                     | 355.6                                    | 358.1                       | 540                          | 34                             | 52  | 398          | 408            | 8                         | 3                      | 440                     | 480           | 16                      | 33  | M30X3   | 30.8  | 57.8   | 35.0  |
| 400                     | 406.4                                    | 409.0                       | 605                          | 38                             | 60  | 446          | 456            | 10                        | 3                      | 495                     | 540           | 16                      | 33  | M30X3   | 42.8  | 82.2   | 46.2  |
| 450                     | 457.2                                    | 460.0                       | 675                          | 40                             | 64  | 504          | 514            | 10                        | 3                      | 560                     | 605           | 20                      | 33  | M30X3   | 55.1  | 107.6  | 61.9  |
| 500                     | 510.0                                    | 513.0                       | 730                          | 42                             | 68  | 551.0        | 568            | 10                        | 3                      | 610                     | 660           | 20                      | 33  | M30X3   | 65.1  | 133.1  | 73.25 |
| (550)                   | 558.8                                    | 562.0                       | 795                          | 44                             | 70  | 612          | 622            | 10                        | 3                      | 670                     | 720           | 20                      | 39  | M36X3   | 77.9  | 161.1  | 88.1  |
| 600                     | 609.6                                    | 613.0                       | 845                          | 46                             | 74  | 666          | 676            | 10                        | 3                      | 720                     | 770           | 24                      | 39  | M36X3   | 86.0  | 193.2  | 98.8  |
| 650                     | 660.4                                    | 664.0                       | 895                          | 48                             | 77  | 704          | 726            | 10                        | 5                      | 770                     | 820           | 24                      | 39  | M36X3   | 96.3  | 227.5  | 101   |
| 700                     | 711.2                                    | 715.0                       | 960                          | 50                             | 80  | 754          | 776            | 10                        | 5                      | 820                     | 875           | 24                      | 48  | M39X3   | 114.1 | 272.5  | 120   |
| 750                     | 762.0                                    | 766.0                       | 1020                         | 52                             | 83  | 806          | 832            | 10                        | 5                      | 880                     | 935           | 24                      | 42  | M39X3   | 132.7 | 321.9  | 141   |
| 800                     | 812.8                                    | 817.0                       | 1085                         | 54                             | 86  | 855          | 882            | 10                        | 5                      | 930                     | 990           | 24                      | 48  | M36X3   | 152.2 | 376.6  | 161   |
| (850)                   | 863.6                                    | 868.0                       | 1135                         | 56                             | 89  | 916          | 936            | 10                        | 5                      | 980                     | 1040          | 24                      | 48  | M45X3.1 | 166.5 | 428.1  | 177   |
| 900                     | 914.4                                    | 919.0                       | 1185                         | 58                             | 93  | 968          | 986            | 10                        | 5                      | 1030                    | 1090          | 28                      | 48  | M45X3   | 178.1 | 481.1  | 191   |
| 1000                    | 1016.0                                   | 1021.0                      | 1320                         | 62                             | 99  | 1070         | 1098           | 12                        | 5                      | 1140                    | 1210          | 28                      | 56  | M52X3   | 235.3 | 635.0  | 230   |
| (1100)                  | 1117.6                                   | 1123                        | 1420                         | 66                             | 105 | 1180         | 1200           | 12                        | 5                      | 1240                    | 1310          | 32                      | 56  | M52X3   | 257.9 | 784.0  | 289   |
| 1200                    | 1219.2                                   | 1225                        | 1530                         | 70                             | 112 | 1282         | 1302           | 12                        | 5                      | 1350                    | 1420          | 32                      | 56  | M52X3   | 321.9 | 972.4  | 348.0 |
| 1300                    | 1320.6                                   | 1326.0                      | 1645                         | 74                             | -   | -            | -              | -                         | -                      | 1450                    | 1530          | 32                      | 62  | -       | 371.8 | 1185.2 | -     |
| 1350                    | 1370.6                                   | 1377.0                      | 1700                         | 76                             | -   | -            | -              | -                         | -                      | 1510                    | 1590          | 32                      | 62  | -       | 410.0 | 1303.8 | -     |
| 1400                    | 1422.4                                   | 1428.0                      | 1755                         | 78                             | -   | -            | -              | -                         | -                      | 1560                    | 1640          | 36                      | 62  | -       | 436.0 | 1422.5 | -     |
| 1500                    | 1524.0                                   | 1529.0                      | 1865                         | 80                             | -   | -            | -              | -                         | -                      | 1670                    | 1750          | 36                      | 62  | -       | 496.4 | 1656.6 | -     |