


































SS150lbs Fittings BSPT NPT Din 2999 ISO 7/1 ISO 228 (1)

| SS150lbs Fittings BSPT NPT Din 2999 ISO 7/1 ISO 228 (1) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|--|---|---|---|------------|--------|
| SS 150# |  |  |  |  |  |  |  |  |  |  |  | SS 150# | |
| | coupling | nipple | 90 elbow | tee | Sq plug | cap | 45 elbow | hose nipple | union con | union ff | union mf | | |
| 304 BSPT | 1/8" | 1.60 | 1.20 | 1.30 | 1.80 | 1.00 | 1.20 | 1.50 | 2.90 | 4.30 | 0.00 | 0.00 | 1/8" |
| | 1/4" | 1.80 | 1.50 | 1.50 | 2.20 | 1.30 | 1.30 | 1.70 | 2.40 | 4.80 | 0.00 | 0.00 | 1/4" |
| | 3/8" | 2.20 | 1.70 | 1.80 | 3.40 | 1.50 | 1.50 | 1.90 | 2.60 | 5.40 | 0.00 | 0.00 | 3/8" |
| | 1/2" | 2.50 | 2.40 | 2.60 | 4.30 | 1.80 | 1.70 | 2.40 | 2.80 | 5.70 | 5.70 | 6.90 | 1/2" |
| | 3/4" | 2.60 | 3.00 | 3.10 | 4.80 | 2.20 | 1.90 | 3.10 | 4.30 | 5.90 | 6.30 | 7.70 | 3/4" |
| | 1" | 3.70 | 3.90 | 4.30 | 8.20 | 2.40 | 2.40 | 5.40 | 5.20 | 9.50 | 10.60 | 10.70 | 1" |
| | 1-1/4" | 5.40 | 4.90 | 7.10 | 10.90 | 3.50 | 3.60 | 7.70 | 7.50 | 12.00 | 15.20 | 15.50 | 1-1/4" |
| | 1-1/2" | 6.90 | 6.90 | 10.40 | 13.60 | 4.30 | 5.00 | 9.50 | 9.30 | 16.20 | 19.80 | 22.00 | 1-1/2" |
| | 2" | 10.00 | 10.70 | 14.30 | 18.10 | 6.50 | 5.70 | 14.20 | 12.90 | 22.40 | 27.10 | 29.10 | 2" |
| | 2-1/2" | 14.10 | 17.50 | 19.40 | 26.60 | 9.10 | 14.60 | 18.90 | 23.50 | 33.10 | 44.70 | 0.00 | 2-1/2" |
| | 3" | 24.50 | 27.10 | 36.40 | 38.40 | 12.80 | 19.00 | 33.70 | 28.40 | 37.80 | 51.30 | 0.00 | 3" |
| | 4" | 36.90 | 29.90 | 58.50 | 70.50 | 22.40 | 34.00 | 56.80 | 46.10 | 56.70 | 68.50 | 0.00 | 4" |
| 316 BSPT | 1/8" | 1.90 | 2.00 | 1.50 | 3.40 | 1.90 | 2.10 | 2.40 | 1.50 | 8.00 | 0.00 | 0.00 | 1/8" |
| | 1/4" | 2.50 | 2.30 | 2.80 | 3.70 | 2.00 | 2.20 | 2.90 | 2.00 | 8.80 | 0.00 | 0.00 | 1/4" |
| | 3/8" | 2.70 | 2.70 | 3.10 | 4.40 | 2.20 | 2.30 | 3.00 | 2.50 | 9.30 | 0.00 | 0.00 | 3/8" |
| | 1/2" | 3.80 | 3.40 | 2.50 | 4.90 | 2.40 | 2.50 | 4.00 | 5.00 | 9.90 | 11.00 | 12.50 | 1/2" |
| | 3/4" | 5.20 | 4.00 | 3.20 | 6.60 | 2.90 | 3.40 | 4.70 | 6.20 | 13.50 | 15.00 | 14.90 | 3/4" |
| | 1" | 8.20 | 6.00 | 7.60 | 10.20 | 4.20 | 6.00 | 8.50 | 9.00 | 20.80 | 23.10 | 22.70 | 1" |
| | 1-1/4" | 12.10 | 9.10 | 11.90 | 16.30 | 6.80 | 8.40 | 13.00 | 14.40 | 29.70 | 33.00 | 33.00 | 1-1/4" |
| | 1-1/2" | 14.70 | 11.50 | 15.60 | 20.80 | 8.60 | 10.10 | 15.40 | 18.20 | 37.20 | 41.30 | 39.80 | 1-1/2" |
| | 2" | 21.00 | 17.40 | 22.80 | 31.60 | 15.00 | 16.20 | 24.50 | 27.10 | 58.30 | 64.80 | 62.20 | 2" |
| | 2-1/2" | 39.00 | 27.00 | 46.00 | 63.70 | 24.20 | 38.30 | 45.10 | 43.50 | 77.70 | 0.00 | 0.00 | 2-1/2" |
| | 3" | 61.80 | 38.00 | 50.00 | 88.40 | 33.70 | 47.10 | 59.00 | 64.50 | 111.30 | 0.00 | 0.00 | 3" |
| | 4" | 85.10 | 65.00 | 101.10 | 131.80 | 56.30 | 86.10 | 110.10 | 131.20 | 186.60 | 0.00 | 0.00 | 4" |
| 304 NPT | 1/8" | 0.00 | 2.10 | 2.00 | 3.60 | 2.20 | 2.60 | 2.60 | 3.10 | 6.80 | 0.00 | 0.00 | 1/8" |
| | 1/4" | 2.70 | 2.20 | 2.60 | 4.30 | 2.60 | 2.60 | 2.90 | 3.40 | 8.10 | 0.00 | 0.00 | 1/4" |
| | 3/8" | 2.90 | 2.40 | 3.20 | 4.60 | 2.90 | 2.70 | 3.10 | 4.30 | 8.30 | 0.00 | 0.00 | 3/8" |
| | 1/2" | 4.10 | 3.10 | 3.60 | 5.70 | 3.00 | 2.80 | 4.10 | 5.00 | 9.10 | 9.30 | 10.30 | 1/2" |
| | 3/4" | 5.50 | 3.80 | 4.70 | 6.70 | 3.10 | 3.60 | 4.70 | 6.30 | 12.10 | 10.10 | 9.90 | 3/4" |
| | 1" | 8.00 | 6.10 | 7.70 | 10.30 | 4.30 | 5.80 | 8.30 | 9.30 | 18.10 | 13.50 | 14.00 | 1" |
| | 1-1/4" | 12.40 | 9.30 | 11.90 | 15.90 | 7.00 | 8.60 | 13.00 | 14.60 | 25.00 | 20.10 | 21.20 | 1-1/4" |
| | 1-1/2" | 15.10 | 11.70 | 15.70 | 20.90 | 8.80 | 10.40 | 15.70 | 18.50 | 33.50 | 27.70 | 30.20 | 1-1/2" |
| | 2" | 20.10 | 17.60 | 22.80 | 30.30 | 15.20 | 16.40 | 23.40 | 27.20 | 46.90 | 37.20 | 37.30 | 2" |
| | 2-1/2" | 37.10 | 26.70 | 45.40 | 63.10 | 21.50 | 38.30 | 45.00 | 43.90 | 73.20 | 0.00 | 0.00 | 2-1/2" |
| | 3" | 62.30 | 37.30 | 66.40 | 88.20 | 28.50 | 47.20 | 59.40 | 64.00 | 94.50 | 0.00 | 0.00 | 3" |
| | 4" | 86.50 | 61.80 | 99.30 | 132.80 | 50.80 | 85.40 | 111.20 | 104.50 | 158.50 | 0.00 | 0.00 | 4" |
| 316 NPT | 1/8" | 2.50 | 2.50 | 3.30 | 4.50 | 2.50 | 2.70 | 3.20 | 4.20 | 10.40 | 0.00 | 0.00 | 1/8" |
| | 1/4" | 3.30 | 3.00 | 3.60 | 4.80 | 2.60 | 2.90 | 3.70 | 4.60 | 11.40 | 0.00 | 0.00 | 1/4" |
| | 3/8" | 3.50 | 3.50 | 4.10 | 5.70 | 2.80 | 2.90 | 3.90 | 5.20 | 12.10 | 0.00 | 0.00 | 3/8" |
| | 1/2" | 4.90 | 4.40 | 4.60 | 6.30 | 3.10 | 3.30 | 5.20 | 6.50 | 13.00 | 16.30 | 0.00 | 1/2" |
| | 3/4" | 6.80 | 5.30 | 6.10 | 8.50 | 3.80 | 4.40 | 6.10 | 8.00 | 17.60 | 19.50 | 0.00 | 3/4" |
| | 1" | 10.70 | 7.80 | 9.90 | 13.30 | 5.40 | 7.80 | 11.10 | 11.70 | 27.20 | 29.60 | 0.00 | 1" |
| | 1-1/4" | 15.90 | 11.90 | 15.60 | 21.30 | 8.90 | 11.00 | 17.00 | 18.70 | 38.80 | 43.10 | 0.00 | 1-1/4" |
| | 1-1/2" | 19.20 | 15.10 | 20.30 | 27.20 | 11.20 | 13.20 | 20.10 | 23.80 | 48.60 | 52.00 | 0.00 | 1-1/2" |
| | 2" | 27.40 | 22.70 | 29.80 | 41.20 | 19.60 | 21.10 | 31.90 | 35.40 | 76.20 | 81.20 | 0.00 | 2" |
| | 2-1/2" | 50.90 | 35.30 | 60.00 | 83.20 | 31.60 | 50.00 | 58.90 | 56.90 | 115.80 | 0.00 | 0.00 | 2-1/2" |
| | 3" | 80.70 | 49.70 | 76.70 | 115.40 | 44.00 | 61.50 | 77.00 | 84.30 | 145.30 | 0.00 | 0.00 | 3" |
| | 4" | 111.10 | 85.00 | 132.10 | 172.10 | 73.50 | 112.50 | 143.90 | 171.40 | 243.70 | 0.00 | 0.00 | 4" |
| SS 150# |  |  |  |  |  |  |  |  |  |  |  | SS 150# | |

SS150lbs Fittings BSPT NPT Din 2999 ISO 7/1 ISO 228 (2)

| SS150lbs Fittings BSPT NPT Din 2999 ISO 7/1 ISO 228 (2) | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|--|---|---|---|---------|--------|
| SS 150# |  |  |  |  |  |  |  |  |  |  |  | SS 150# | |
| | elbow mf | L nut | Hex plug | cross | 1/2 coupling | bush | R nipple | R socket | R tee | R elbow | adaptor | | |
| 304 BSPT | 1/8" | 1.70 | 0.00 | 1.50 | 0.00 | 0.00 | | | | | | 1/8" | |
| | 1/4" | 2.10 | 0.00 | 1.90 | 2.60 | 0.00 | 1.20 | 2.20 | 2.20 | 4.20 | 0.00 | 1/4" | |
| | 3/8" | 1.90 | 0.00 | 2.30 | 3.40 | 0.00 | 1.50 | 2.80 | 2.20 | 4.90 | 3.00 | 3/8" | |
| | 1/2" | 2.60 | 1.90 | 2.80 | 4.70 | 0.00 | 1.90 | 3.60 | 3.00 | 5.40 | 3.80 | 1/2" | |
| | 3/4" | 3.20 | 2.80 | 2.90 | 5.70 | 0.00 | 3.60 | 4.10 | 4.30 | 7.10 | 5.20 | 3/4" | |
| | 1" | 4.50 | 3.00 | 4.10 | 9.40 | 0.00 | 4.20 | 5.60 | 4.80 | 9.80 | 7.20 | 1" | |
| | 1-1/4" | 8.10 | 3.60 | 6.40 | 14.60 | 0.00 | 5.00 | 5.90 | 6.80 | 14.70 | 11.40 | 1-1/4" | |
| | 1-1/2" | 11.00 | 4.50 | 8.30 | 18.30 | 0.00 | 5.70 | 7.70 | 8.20 | 18.00 | 14.20 | 1-1/2" | |
| | 2" | 16.30 | 6.20 | 12.30 | 22.20 | 0.00 | 5.90 | 12.00 | 11.30 | 22.50 | 20.30 | 2" | |
| | 2-1/2" | 22.40 | 8.10 | 33.20 | 0.00 | 0.00 | 11.60 | 19.40 | 19.40 | 68.10 | 41.10 | 2-1/2" | |
| | 3" | 45.20 | 9.50 | 40.50 | 0.00 | 0.00 | 20.00 | 25.50 | 27.10 | 94.90 | 60.00 | 3" | |
| | 4" | 57.90 | 14.20 | 80.60 | 0.00 | 0.00 | 41.00 | 55.90 | 35.00 | 169.90 | 0.00 | 4" | |
| 316 BSPT | 1/8" | 3.00 | 0.00 | 0.00 | 4.40 | 1.50 | | | | | | 1/8" | |
| | 1/4" | 3.10 | 0.00 | 3.60 | 5.00 | 1.90 | 1.50 | 2.30 | 2.00 | 3.50 | 0.00 | 1/4" | |
| | 3/8" | 3.50 | 0.00 | 3.50 | 5.40 | 1.90 | 1.80 | 3.20 | 2.40 | 4.10 | 2.50 | 3/8" | |
| | 1/2" | 4.70 | 2.80 | 3.40 | 6.10 | 2.50 | 2.20 | 4.40 | 2.90 | 4.50 | 3.20 | 1/2" | |
| | 3/4" | 5.90 | 3.10 | 4.10 | 8.50 | 3.20 | 3.00 | 4.80 | 3.80 | 6.00 | 4.40 | 3/4" | |
| | 1" | 8.40 | 3.70 | 5.40 | 12.70 | 5.00 | 4.30 | 5.40 | 5.50 | 9.30 | 7.90 | 1" | |
| | 1-1/4" | 12.30 | 5.00 | 8.70 | 20.40 | 6.00 | 6.50 | 7.10 | 8.70 | 15.40 | 10.50 | 1-1/4" | |
| | 1-1/2" | 17.00 | 6.60 | 12.40 | 28.90 | 8.10 | 9.10 | 9.00 | 10.90 | 20.20 | 13.30 | 1-1/2" | |
| | 2" | 25.80 | 8.70 | 19.10 | 40.90 | 10.50 | 13.90 | 15.10 | 16.30 | 27.00 | 22.80 | 2" | |
| | 2-1/2" | 45.90 | 0.00 | 52.60 | 104.80 | 19.50 | 23.80 | 20.40 | 28.30 | 57.70 | 34.80 | 2-1/2" | |
| | 3" | 76.20 | 0.00 | 47.60 | 147.00 | 24.40 | 34.90 | 28.60 | 37.90 | 80.40 | 58.30 | 3" | |
| | 4" | 138.10 | 0.00 | 98.40 | 205.20 | 55.00 | 59.70 | 49.30 | 108.30 | 143.90 | 0.00 | 4" | |
| 304 NPT | 1/8" | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | 1/8" | |
| | 1/4" | 3.20 | 0.00 | 4.10 | 0.00 | 2.60 | 2.00 | 3.00 | 2.60 | 4.50 | 0.00 | 9.00 | 1/4" |
| | 3/8" | 3.40 | 0.00 | 4.00 | 0.00 | 2.50 | 2.30 | 4.20 | 3.20 | 5.30 | 3.20 | 13.00 | 3/8" |
| | 1/2" | 4.90 | 2.60 | 4.00 | 6.40 | 3.90 | 2.90 | 5.70 | 3.80 | 5.80 | 4.20 | 16.50 | 1/2" |
| | 3/4" | 6.20 | 3.00 | 4.60 | 8.70 | 5.10 | 3.90 | 6.30 | 5.00 | 7.90 | 5.80 | 24.00 | 3/4" |
| | 1" | 8.50 | 3.90 | 5.60 | 12.90 | 5.50 | 5.60 | 7.10 | 7.20 | 15.90 | 10.30 | | 1" |
| | 1-1/4" | 12.10 | 5.20 | 8.50 | 20.00 | 6.40 | 8.50 | 9.30 | 11.30 | 26.20 | 13.80 | | 1-1/4" |
| | 1-1/2" | 17.20 | 6.80 | 12.70 | 28.00 | 8.50 | 11.90 | 11.70 | 14.30 | 34.20 | 17.40 | | 1-1/2" |
| | 2" | 25.90 | 8.90 | 19.40 | 41.50 | 11.00 | 18.10 | 19.70 | 21.30 | 35.20 | 29.80 | | 2" |
| | 2-1/2" | 45.60 | 0.00 | 53.30 | 0.00 | 19.60 | 31.10 | 26.70 | 37.00 | 75.30 | 45.50 | | 2-1/2" |
| | 3" | 76.20 | 0.00 | 48.30 | 0.00 | 25.60 | 45.60 | 37.20 | 50.00 | 105.00 | 76.20 | | 3" |
| | 4" | 138.50 | 0.00 | 99.40 | 0.00 | 56.20 | 78.00 | 64.40 | 142.00 | 188.00 | 0.00 | | 4" |
| 316 NPT | 1/8" | 3.90 | 2.60 | 0.00 | 0.00 | 2.00 | | | | | | 1/8" | |
| | 1/4" | 4.10 | 2.60 | 4.60 | 0.00 | 2.50 | 2.00 | 3.00 | 2.60 | 4.50 | 0.00 | 9.00 | 1/4" |
| | 3/8" | 4.60 | 2.90 | 4.50 | 0.00 | 2.50 | 2.30 | 4.20 | 3.20 | 5.30 | 3.20 | 16.50 | 3/8" |
| | 1/2" | 6.20 | 3.60 | 4.40 | 8.00 | 3.30 | 2.90 | 5.70 | 3.80 | 5.80 | 4.20 | 18.00 | 1/2" |
| | 3/4" | 7.70 | 4.10 | 5.30 | 11.10 | 4.10 | 3.90 | 6.30 | 5.00 | 7.90 | 5.80 | 26.00 | 3/4" |
| | 1" | 10.90 | 4.80 | 7.10 | 16.60 | 6.60 | 5.60 | 7.10 | 7.20 | 12.20 | 10.30 | | 1" |
| | 1-1/4" | 16.10 | 6.50 | 11.30 | 26.60 | 7.90 | 8.50 | 9.30 | 11.30 | 20.10 | 13.80 | | 1-1/4" |
| | 1-1/2" | 22.30 | 8.70 | 16.20 | 37.80 | 10.60 | 11.90 | 11.70 | 14.30 | 26.40 | 17.40 | | 1-1/2" |
| | 2" | 33.70 | 11.30 | 25.00 | 53.40 | 13.80 | 18.10 | 19.70 | 21.30 | 35.20 | 29.80 | | 2" |
| | 2-1/2" | 59.90 | 22.10 | 68.70 | 0.00 | 25.50 | 31.10 | 26.70 | 37.00 | 75.30 | 45.50 | | 2-1/2" |
| | 3" | 99.50 | 27.30 | 62.20 | 0.00 | 31.90 | 45.60 | 37.20 | 49.60 | 105.00 | 76.20 | | 3" |
| | 4" | 180.40 | 55.70 | 128.60 | 0.00 | 71.90 | 78.00 | 64.40 | 141.50 | 188.00 | 0.00 | | 4" |

| SS 150# |  |  |  |  |  |  |  |  |  |  |  | SS 150# |
|---------|---|---|---|---|---|---|---|--|---|---|---|---------|
| | elbow mf | L nut | Hex plug | cross | 1/2 coupling | bush | R nipple | R socket | R tee | R elbow | adaptor | |