

Steel Pipe Couplings

Merchant Couplings



FIGURE 336
Standard, Full & Half



| Size | | Outside Diameter (Coupling) | | Length | | | | Threads | | Unit Weight | | | | | | | |
|-------|-----|-----------------------------|-----|--------|-----|---------|----|---------|-----|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|
| | | | | Full | | Half | | | | Full | | | | Half | | | |
| | | | | in | mm | in | mm | | | Straight Tapped | Taper Tapped | Straight Tapped | Taper Tapped | Straight Tapped | Taper Tapped | Straight Tapped | Taper Tapped |
| NPS | DN | in | mm | in | mm | in | mm | in | mm | lbs | kg | lbs | kg | lbs | kg | lbs | kg |
| 1/8 | 6 | 0.563 | 14 | 1 3/16 | 22 | 1 1/32 | 9 | 27 | 686 | 0.03 | 0.01 | 0.03 | 0.01 | 0.01 | 0.00 | 0.01 | 0.00 |
| 1/4 | 8 | 0.719 | 18 | 1 3/16 | 30 | 1 7/32 | 13 | 18 | 457 | 0.07 | 0.03 | 0.07 | 0.03 | 0.03 | 0.01 | 0.03 | 0.01 |
| 3/8 | 10 | 0.875 | 22 | 1 3/16 | 30 | 1 7/32 | 13 | 18 | 457 | 0.10 | 0.05 | 0.10 | 0.05 | 0.05 | 0.02 | 0.05 | 0.02 |
| 1/2 | 15 | 1.063 | 27 | 1 3/16 | 40 | 2 3/32 | 18 | 14 | 356 | 0.18 | 0.08 | 0.18 | 0.08 | 0.08 | 0.04 | 0.08 | 0.04 |
| 3/4 | 20 | 1.313 | 33 | 1 3/8 | 41 | 3/4 | 19 | 14 | 356 | 0.26 | 0.12 | 0.26 | 0.12 | 0.12 | 0.05 | 0.12 | 0.05 |
| 1 | 25 | 1.576 | 40 | 2 | 51 | 1 5/16 | 24 | 11 1/2 | 292 | 0.42 | 0.19 | 0.42 | 0.19 | 0.18 | 0.08 | 0.18 | 0.08 |
| 1 1/4 | 32 | 1.900 | 48 | 2 1/16 | 52 | 3 1/32 | 25 | 11 1/2 | 292 | 0.50 | 0.23 | 0.50 | 0.23 | 0.23 | 0.10 | 0.23 | 0.10 |
| 1 1/2 | 40 | 2.200 | 56 | 2 1/16 | 52 | 3 1/32 | 25 | 11 1/2 | 292 | 0.67 | 0.30 | 0.67 | 0.30 | 0.32 | 0.15 | 0.32 | 0.15 |
| 2 | 50 | 2.750 | 70 | 2 1/8 | 54 | 1 | 25 | 11 1/2 | 292 | 1.03 | 0.47 | 1.03 | 0.47 | 0.47 | 0.21 | 0.47 | 0.21 |
| 2 1/2 | 65 | 3.250 | 83 | 3 3/8 | 79 | 1 1/2 | 38 | 8 | 203 | 2.09 | 0.95 | 2.15 | 0.98 | 0.96 | 0.44 | 0.96 | 0.44 |
| 3 | 80 | 4.000 | 102 | 3 3/4 | 83 | 1 9/16 | 40 | 8 | 203 | 3.36 | 1.52 | 3.46 | 1.57 | 1.60 | 0.73 | 1.60 | 0.73 |
| 3 1/2 | 90 | 4.625 | 117 | 3 3/8 | 86 | 1 3/8 | 41 | 8 | 203 | 4.82 | 2.19 | 5.18 | 2.35 | 2.22 | 1.01 | 2.22 | 1.01 |
| 4 | 100 | 5.000 | 127 | 3 1/2 | 89 | 1 11/16 | 43 | 8 | 203 | 4.80 | 2.18 | 4.87 | 2.21 | 2.11 | 0.96 | 2.11 | 0.96 |
| 5 | 125 | 6.296 | 160 | 3 3/4 | 95 | 1 3/8 | 46 | 8 | 203 | 8.31 | 3.77 | 8.75 | 3.97 | 3.80 | 1.72 | 3.80 | 1.72 |
| 6 | 150 | 7.390 | 188 | 4 | 102 | 1 3/8 | 46 | 8 | 203 | 11.18 | 5.07 | 11.88 | 5.39 | 5.28 | 2.39 | 5.28 | 2.39 |

- Manufactured in accordance with ASTM specification A865 and A589.
- Merchant couplings in sizes 1/8" NPS (6 DN) through 2" NPS (50 DN) are normally supplied straight tapped. Sizes 2 1/2" NPS (65 DN) and larger are taper tapped.
- Taper tapped standard merchant couplings in sizes 1/8" NPS (6 DN) through 2" NPS (50 DN) are available upon request.
- API line pipe couplings are used in all sizes over 6" NPS (150 DN).
- Couplings from 1/8" NPS (6 DN) through 6" NPS (150 DN) are dipped in rust preventative.
- Galvanized full couplings are also available.

Note

- Half couplings are chamfered on one end and squared on the other.