

Figure 6400 Rigid Coupling

The Figure 6400 Rigid Coupling is specially designed to provide a rigid pipe connection to meet the specific demands of copper tubing installation size 2"-8". Fast and easy swing-over installation of the rugged lightweight housing produces a secure rigid pipe joint. Available with Grade "E" Copper EPDM flush gap style gasket. Gasket has service temperature range of -40°F to +230°F. NSF 61 Certified for cold +86°F (+30°C) and hot +180°F (+82°C) potable water service.



Material Specifications

Housing:

Ductile iron conforming to ASTM A-536, Grade 65-54-12

Coatings:

Rust inhibiting enamel paint — Color: Copper
For other coating requirements contact your Anvil Representative.

ANSI Bolts and Heavy Hex Nuts:

Heat treated carbon steel oval neck bolts conforming to the physical properties of ASTM A 183 with a minimum tensile strength of 110,000 PSI. Bolts and nuts are provided zinc electroplated as standard.

Gaskets:

Grade "E" EPDM Flush Gap Gasket (Copper Color Code)
Service Temperature Range: -40°F to +230°F (-40°C to +110°C)
Recommended for water service, diluted acids, alkaline solutions, oil-free air and many chemical services.
NOT FOR USE IN PETROLEUM APPLICATIONS.

NSF 61 Certified for cold +86°F (+30°C) and hot +180°F (+82°C) potable water service.

Figure 6400 Rigid Coupling

Nominal Size	Copper Tube Diameter	Max Wk. Pressure	Max End Load	Range of Pipe End Separation	Coupling Dimensions			Coupling Bolts		Approx. Wt. Ea.
					X	Y	Z	Qty.	Size	
In.	In./mm	PSI/bar	Lbs./kN	In./mm	In./mm				In./mm	Lbs./Kg
2	2.125 54.0	300 20.7	1063 4.73	0 - 0.16 0 - 3.2	3.00 76	5.00 127	1.68 43	2	3/8 x 2 1/4	1.53 0.69
2 1/2	2.625 66.7	300 20.7	1623 7.22	0 - 0.16 0 - 3.2	3.50 89	5.50 140	1.68 43	2	3/8 x 2 1/4	1.78 0.81
3	3.125 79.4	300 20.7	2300 10.23	0 - 0.16 0 - 3.2	4.18 106	6.28 159	1.68 43	2	1/2 x 3	2.76 1.25
4	4.125 104.8	300 20.7	4007 17.82	0 - 0.17 0 - 4.2	5.20 132	7.50 191	1.70 43	2	1/2 x 3	3.27 1.48
5	5.125 130.2	300 20.7	6186 27.51	0 - 0.17 0 - 4.2	6.20 157	9.10 231	1.80 46	2	5/8 x 3 1/4	4.71 2.14
6	6.125 155.6	300 20.7	8835 39.30	0 - 0.17 0 - 4.2	7.20 183	10.20 259	1.80 46	2	5/8 x 3 1/4	5.24 2.38
8	8.125 206.4	300 20.7	15547 69.15	0 - 0.17 0 - 4.2	9.32 237	12.40 315	2.00 51	2	5/8 x 3 1/4	7.67 3.48

Pressure ratings and end loads are based on use with ASTM B88 Type K or L tubing.
For pressure ratings on Type M and DWV, contact your Anvil Representative.

