

Compression Tube Fittings

Compression type fittings are the type of fittings most commonly used in gas handling systems which use tubing. Suitable for high vacuum and high pressure applications, they require no special tools, soldering or welding for installation, and can be remade repeatedly. Used on thin or heavy walled tubing, these fittings are available in both brass or Type 316 Stainless Steel.

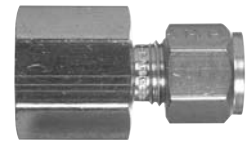
Where compression fitting size is indicated in Table I, it designates the outside diameter of the tubing it will accept. For example, 1/8" compression will accept 1/8" OD tubing.

Table I

Description	Part Number	
	Brass	Type 316 Stn. Stl.
Male Connector		
For connecting female pipe threads to tubing		
1/16" NPT(M) x 1/8" compression	SG6705	SG6715
1/8" NPT(M) x 1/16" compression	SG6700	SG6710
1/8" NPT(M) x 1/8" compression	SG6701	SG6711
1/8" NPT(M) x 1/4" compression	SG6702	SG6712
1/4" NPT(M) x 1/8" compression	SG6703	SG6713
1/4" NPT(M) x 1/4" compression	SG6704	SG6714
1/4" NPT(M) x 1/2" compression	SG6706	SG6716
1/2" NPT(M) x 1/4" compression	SG6707	SG6717
1/2" NPT(M) x 1/2" compression	SG6708	SG6718
Female Connector		
For connecting male pipe threads to tubing		
1/8" NPT(F) x 1/8" compression	SG6721	SG6731
1/8" NPT(F) x 1/4" compression	SG6722	SG6732
1/4" NPT(F) x 1/8" compression	SG6723	SG6733
1/4" NPT(F) x 1/4" compression	SG6724	SG6734
Male Elbow		
For connecting female pipe threads to tubing at right angles		
1/8" NPT(M) x 1/16" compression	SG6740	SG6750
1/8" NPT(M) x 1/8" compression	SG6741	SG6751
1/8" NPT(M) x 1/4" compression	SG6742	SG6752
1/4" NPT(M) x 1/8" compression	SG6743	SG6753
1/4" NPT(M) x 1/4" compression	SG6744	SG6754
Female Elbow		
For connecting male pipe threads to tubing at right angles		
1/8" NPT(F) x 1/8" compression	SG6761	SG6771
1/8" NPT(F) x 1/4" compression	SG6762	SG6772
1/4" NPT(F) x 1/8" compression	SG6764	SG6773
1/4" NPT(F) x 1/4" compression	SG6765	SG6774



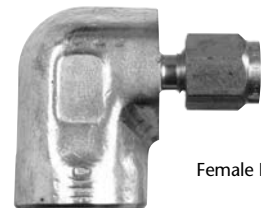
Male Connector



Female Connector



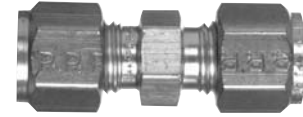
Male Elbow



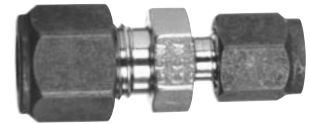
Female Elbow

Table I (continued)

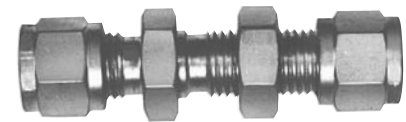
Description	Part Number	
	Brass	Type 316 Stn. Stl.
Union		
For joining tubing		
1/16" compression (both ends)	SG6780	SG6790
1/8" compression (both ends)	SG6781	SG6791
1/4" compression (both ends)	SG6782	SG6792
Reducing Union		
For joining tubing of different sizes		
1/8" compression x 1/16" compression	SG6840	SG6850
1/4" compression x 1/8" compression	SG6841	SG6851
Bulkhead Union		
For connecting tubing through a panel or bulkhead		
1/8" compression (both ends)	SG6801	SG6811
1/4" compression (both ends)	SG6802	SG6812
Union Tee		
For joining tubing in "T" configurations		
1/8" compression (all ends)	SG6820	SG6830
1/4" compression (all ends)	SG6821	SG6831
Reducer		
For reducing the size of a compression fitting		
1/4" OD Tube x 1/8" compression	0202-3027	—
Tube End Male Adapter		
For converting female pipe threads to tubing		
1/8" NPT(M) x 1/4" OD Tube	—	SG6871
1/4" NPT(M) x 1/4" OD Tube	—	SG6870
Compression Nut & Ferrule		
1/16" compression	SG6940	SG6950
1/8" compression	SG6941	SG6951
1/4" compression	SG6942	SG6952



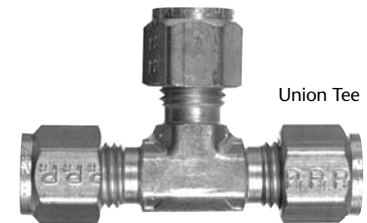
Union



Reducing Union



Bulkhead Union



Union Tee



Reducer



Tube End Male Adapter



Compression Nut and Ferrule

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