

# Flare Fittings, Inc.

## D.O.T. PLUG-IN

### BRASS TUBE FITTINGS

Meets Department of Transportation specifications for applications listed below:

#### SPECIFICATIONS:

Fitting Body: Brass  
 Seals: Buna-N  
 Working Pressure: Vacuum to 250 psi  
 Applicable Standard: FMV-SS-106  
 Elbows and Tees: Swivel Design  
 Working Temperatures: -20°F To +200°F

#### APPLICATIONS:

Air operated seats, windows, switches, door locks, wipers, mirrors, gages, horns, gear shifts, fifth wheel and cab tilt cylinders.

#### FEATURES:

- **QUICK CONNECT:** Simply push tubing in, no tools required.
- **THREAD SEALANT:** Pre-applied.

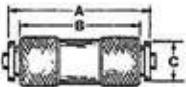
Fittings are designed for use in applications described in bold type in the excerpt below from the National Highway Traffic Safety Administration, Department Of Transportation FMVSS-106.

**S7.3.10 Tensile Strength:** An air brake hose assembly (other than a coiled nylon tube assembly which meets the requirements of S393.45 of this title) designed for use between frame and axle or between a towed and towing vehicle shall withstand, without separation of the hose from it's end fittings, a pull of 250 pounds if it is 1/4 inch or less in nominal internal diameter, or a pull of 325 pounds if it is larger than 1/4 inch nominal internal diameter. An air brake assembly designed for use with any other application shall withstand without separation of the hose from it's end fitting, a pull of 50 pounds if it is 1/4 inch or less in internal diameter, 150 pounds if it is 3/8 or 1/2 inch in nominal internal diameter, or 325 pounds if it is larger than 1/2 inch in nominal internal diameter. (S8.9) (39F.R. 28436 - Aug. 7, 1974. Effective 3/1/75).



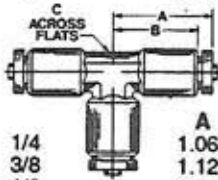
**DOT54**  
45° MALE ELBOW

Part No.	Tube O.D.	Pipe Thrd	A	B	C	Pkg. Qty.
DOT54-4-2	1/4	1/8				10
DOT54-4-4	1/4	1/4				10
DOT54-6-4	3/8	1/4				10



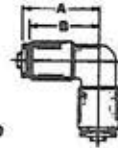
**DOT62**  
UNION CONNECTOR

Part No.	Tube O.D.	A	B	C	Pkg. Qty.
DOT62-4	1/4	1.810	1.535	7/16	20
DOT62-6	3/8	1.810	1.535	9/16	20
DOT62-8	1/2	2.007	1.732	11/16	10



**DOT64**  
UNION TEE

Part No.	Tube O.D.	A	B	C	Pkg. Qty.
DOT64-4	1/4	1.063	.925	3/8	10
DOT64-6	3/8	1.122	.984	1/2	10
DOT64-8	1/2	1.299	1.161	5/8	5



**DOT65**  
UNION ELBOW

Part No.	Tube O.D.	A	B	Pkg. Qty.
DOT65-4	1/4	1.043	.905	10
DOT65-6	3/8	1.103	.965	10
DOT65-8	1/2	1.162	1.024	10



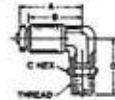
**DOT66**  
FEMALE CONNECTOR

Part No.	Tube Thrd	Pipe Thrd	A	B	C	Pkg. Qty.
DOT66-4-2	1/4	1/8	1.358	1.220	9/16	10
DOT66-4-4	1/4	1/4	1.555	1.417	3/4	10
DOT66-6-4	3/8	1/4	1.555	1.417	3/4	10
DOT66-6-6	3/8	3/8	1.555	1.417	7/8	10



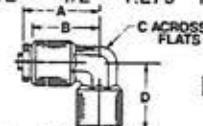
**DOT68**  
MALE CONNECTOR

Part No.	Tube Thrd	Pipe Thrd	A	B	C	Pkg. Qty.
DOT68-4-2	1/4	1/8	1.061	.925	7/16	20
DOT68-4-4	1/4	1/4	1.061	.925	9/16	20
DOT68-4-6	1/4	3/8	1.061	.925	11/16	5
DOT68-6-4	3/8	1/4	1.240	1.102	9/16	20
DOT68-6-6	3/8	3/8	1.161	1.023	11/16	20
DOT68-6-8	3/8	1/2	1.279	1.141	7/8	5
DOT68-8-4	1/2	1/4	1.594	1.456	11/16	5
DOT68-8-6	1/2	3/8				5
DOT68-8-8	1/2	1/2				5



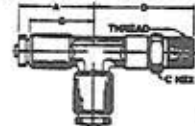
**DOTS69**  
SWIVEL MALE ELBOW

Part No.	Tube O.D.	Pipe Thrd	A	B	C	D	Pkg. Qty.
DOTS69-4-2	1/4	1/8	1.043	.905	7/16	1.130	20
DOTS69-4-4	1/4	1/4	1.043	.905	9/16	1.327	20
DOTS69-4-6	1/4	3/8					5
DOTS69-6-2	3/8	1/8					10
DOTS69-6-4	3/8	1/4	1.103	.965	9/16	1.445	20
DOTS69-6-6	3/8	3/8	1.103	.965	11/16	1.465	20
DOTS69-8-6	1/2	3/8	1.279	1.141	11/16	1.681	10
DOTS69-8-8	1/2	1/2	1.279	1.141	7/8	1.197	10



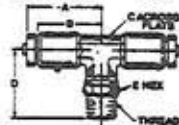
**DOT70**  
FEMALE ELBOW

Part No.	Tube O.D.	Pipe Thrd	A	B	C	D	Pkg. Qty.
DOT70-4-2	1/4	1/8	1.083	.945	3/8	.748	10
DOT70-4-4	1/4	1/4	1.083	.945	7/16	.945	10
DOT70-6-4	3/8	1/4	1.122	.984	1/2	.945	10
DOT70-6-6	3/8	3/8					5



**DOTS71**  
SWIVEL MALE RUN TEE

Part No.	Tube O.D.	Pipe Thrd	A	B	C	D	Pkg. Qty.
DOTS71-4-2	1/4	1/8	1.063	.925	7/16	1.130	10
DOTS71-4-4	1/4	1/4	1.063	.925	9/16	1.327	10
DOTS71-6-4	3/8	1/4	1.122	.984	9/16	1.445	10
DOTS71-6-6	3/8	3/8	1.122	.984	11/16	1.465	5
DOTS71-8-6	1/2	3/8	1.299	1.161	11/16	1.681	5



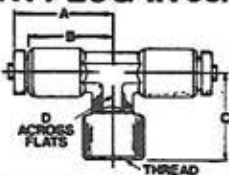
**DOTS72**  
SWIVEL MALE BRANCH TEE

Part No.	Tube O.D.	Pipe Thrd	A	B	C	D	Pkg. Qty.
DOTS72-4-2	1/4	1/8	1.063	.925	7/16	1.130	5
DOTS72-4-4	1/4	1/4	1.063	.925	9/16	1.327	5
DOTS72-6-4	3/8	1/4	1.103	.965	9/16	1.445	5
DOTS72-6-6	3/8	3/8	1.103	.965	11/16	1.465	5
DOTS72-8-6	1/2	3/8					5

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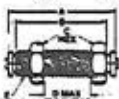
**CAUTION:** For AIR BRAKE applications EXCEPT those designed for use between frame and axle or between towed and towing vehicle.

### D.O.T. PLUG-IN CONTINUED



**DOTS77**  
SWIVEL FEMALE BRANCH TEE

Part No.	Tube O.D.	Pipe Thrd	A	B	C	D	Pkg. Qty.
DOTS77-4-2	1/4	1/8	1.043	.905	7/16	.748	5
DOTS77-4-4	1/4	1/4	1.043	.964	1/2	.945	5
DOTS77-6-4	3/8	1/4	1.122	.984	112	.984	5



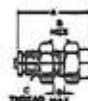
**DOT82**  
BULKHEAD UNION

Part No.	Tube O.D.	A	B	C	D	E	Pkg. Qty.
DOT82-4	1/4	1.968	1.693	11/16	.889	1/2-20	5
DOT82-6	3/8	1.968	1.693	13/16	.889	5/8-18	5
DOT82-8	1/2	2.208	1.752	15/16	.750	3/4-16	5



**DOT82**  
BULKHEAD UNION  
(Compression to Plug-In)

Part No.	Tube O.D.	Pkg. Qty.
DOT82-4	1/4	5
DOT82-6	3/8	5



**DOT86**  
FEMALE BULKHEAD UNION

Part No.	Tube O.D.	Female Thrd	A	B	C	D	Pkg. Qty.
DOT86-4-2	1/4	1/8	1.358	11/16	1/2-20	.625	2
DOT86-4-4	1/4	1/4	1.594	3/4	1/2-20	.625	2
DOT86-6-4	3/8	1/4					2

**CAUTION:** For AIR BRAKE applications EXCEPT those designed for use between frame and axle or between towed and towing vehicle.