

D.O.T. PUSH-IN TUBE FITTINGS



Meets D.O.T. FMVSS 571.106 SAE J1131 Air Brake System Require-

Benefits for Cost Savings & Engineering Project

- **Fast assembly:** No tools required. Simply push tubing in. Saves up to 75% of assembly time compared to standard air compression fittings. No loose parts to handle.
- **Fast disconnect:** Hold the collet collar with two fingers and pull out tube. No tools required.
- **Reusable:** Can be connected and disconnected several times.
- **Reliable sealing:** Using recommended tubing, full sealing is guaranteed.
- **Versatility:** Buna N O'ring standard. Fluoroelastomer and others available per request. Secure tube retention. Pulling on tubing only serves to tighten the connection.
- **Pre-Applied Polytetrafluoroethylene®** based pipe sealant on all male pipe threads, saving customer additional labor.
- **Full Flow Design,** provides more flow area than conventional fittings with internal tube supports even in the swivels.

DOT Fittings are constructed with an all brass captive eyelet which allows for maximum flow. The brass captive eyelet with extended length is floating and has a machined top end radius for easy installation of tubing. All male threads have a pre-applied Polytetrafluoroethylene® based pipe sealant to provide for easy assembly and leak proof seal.

▪ Materials:

Brass

"O" Ring: Buna - Nitrile (90 Durometer)

EP (Ethylene Propylene)

▪ Working Pressures & Temperature Ranges

Vacuum to 150 PSI

-40°F to 200° F (-40°C to +93°C)

PRICING FILE AVAILABLE ONLINE

Dimension data can change without notice. Please see our website when dimensions are critical.

D.O.T. PUSH-IN

BRASS FITTINGS

PLUG

AQ59DOT

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
595320	02459-53		5/32"	
590400	02459-04		1/4"	
590600	02459-06		3/8"	
590800	02459-08		1/2"	

1829 DQ59DOT 639PMT

UNIONAQ62DOT
DQ62

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
		262PPDOT-2	1/8"	
620532	02462-53	262PPDOT-2.5	5/32"	
620300		262PPDOT-3	3/16"	
620400	02462-04	262PPDOT-4	1/4"	
		262PPDOT-5	5/16"	
620600	02462-06	262PPDOT-6	3/8"	
620604			3/8" x 1/4"	
620800	02462-08	262PPDOT-8	1/2"	
621000	02462-10	262PPDOT-10	5/8"	
621200	02462-12	262PPDOT-12	3/4"	

AQ62DOT 62PMT 1862 DQ62DOT

UNION TEEAQ64DOT
DQ64

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
		264PPDOT-2.5	5/32"	
640400	02464-04	264PPDOT-4	1/4"	
640600	02464-06	264PPDOT-6	3/8"	
640800	02464-08	264PPDOT-8	1/2"	
641000		264PPDOT-10	5/8"	
641200	02464-12	264PPDOT-12	3/4"	
640604		264PPDOT-664	3/8" x 1/4"	
640804		264PPDOT-884	1/2" x 1/4"	

AQ64DOT 164 PMT 1864 DQ64DOT

UNION ELBOWAQ65DOT
DQ65

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
655320	02465-53		5/32"	
		265PPDOT-3	3/16"	
650400	02465-04	265PPDOT-4	1/4"	
650600	02465-06	265PPDOT-6	3/8"	
650800	02465-08	265PPDOT-8	1/2"	

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D.O.T. PUSH-IN

BRASS FITTINGS

FEMALE CONNECTOR



AQ66DOT
DQ66

MIDLAND	AMC	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
		266PPDOT-2.5A	5/32" x 1/8"	
660402	02466-0402	266PPDOT-4A	1/4" x 1/8"	
660404	02466-0404	266PPDOT-4B	1/4" x 1/4"	
660602		266PPDOT-6A	3/8" x 1/8"	
660604	02466-0604	266PPDOT-6B	3/8" x 1/4"	
660606	02466-0606	266PPDOT-6C	3/8" x 3/8"	
660804	02466-0804	266PPDOT-8B	1/2" x 1/4"	
660806	02466-0806	266PPDOT-8C	1/2" x 3/8"	
660808	02466-0808	266PPDOT-8D	1/2" x 1/2"	

AQ66DOT 66PMT 1866 DQ66DOT

MALE CONNECTOR



AQ68DOT
DQ68

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
			1/8" x 1/8"	
685320	02468-5300		5/32" x 10/32"	
685321	02468-5301	268PPDOT-2.5X	5/32" x 1/16"	
685322	02468-5302	268PPDOT-2.5A	5/32" x 1/8"	
		268PPDOT-3 x 10/32	3/16" x 10-32"	
680302		268PPDOT-3A	3/16" x 1/8"	
		268PPDOT-3B	3/16" x 1/4"	
		268PPDOT-3X	3/16" x 1/16"	
680421		268PPDOT-4X	1/4" x 1/16"	
680402	02468-0402	268PPDOT-4A	1/4" x 1/8"	
680404	02468-0404	268PPDOT-4B	1/4" x 1/4"	
680406	02468-0406	268PPDOT-4C	1/4" x 3/8"	
680602	02468-0602	268PPDOT-6A	3/8" x 1/8"	
680604	02468-0604	268PPDOT-6B	3/8" x 1/4"	
680606	02468-0606	268PPDOT-6C	3/8" x 3/8"	
680608	02468-0608	268PPDOT-6D	3/8" x 1/2"	
680804	02468-0804	268PPDOT-8B	1/2" x 1/4"	
680806	02468-0806	268PPDOT-8C	1/2" x 3/8"	
680808	02468-0808	268PPDOT-8D	1/2" x 1/2"	
		268PPDOT-8E	1/2" x 3/4"	
681006	02468-1006	268PPDOT-10C	5/8" x 3/8"	
681008	02468-1008	268PPDOT-10D	5/8" x 1/2"	
		268PPDOT-10E	5/8" x 3/4"	
681208	02468-1208	268PPDOT-12D	3/4" x 1/2"	
681212	02468-1212	268PPDOT-12E	3/4" x 3/4"	

AQ68DOT 68PM 1868 DQ68DOT 68PMT

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BRASS FITTINGS

MALE ELBOW

Forged

AQ69DOT
DQ69

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
695302		269PPDOT-2.5X	5/32" x 1/16"	
695322	02469-5302	269PPDOT-2.5A	5/32" x 1/8"	
690302		269PPDOT-3A	3/16" x 1/8"	
690402	02469-0402	269PPDOT-4A	1/4" x 1/8"	
690404	02469-0404	269PPDOT-4B	1/4" x 1/4"	
690406	02469-0406	269PPDOT-4C	1/4" x 3/8"	
690602	02469-0602	269PPDOT-6A	3/8" x 1/8"	
690604	02469-0604	269PPDOT-6B	3/8" x 1/4"	
690606	02469-0606	269PPDOT-6C	3/8" x 3/8"	
690608	02469-0608	269PPDOT-6D	3/8" x 1/2"	
690804	02469-0804	269PPDOT-8B	1/2" x 1/4"	
690806	02469-0806	269PPDOT-8C	1/2" x 3/8"	
690808	02469-0808	269PPDOT-8D	1/2" x 1/2"	
691006	02469-1006	269PPDOT-10C	5/8" x 3/8"	
691008	02469-1008	269PPDOT-10D	5/8" x 1/2"	
691208	02469-1208	269PPDOT-12D	3/4" x 1/2"	
691212	02469-1212	269PPDOT-12E	3/4" x 3/4"	

AQ69DOT 169PMTNS 1869 DQ69DOT

MALE SWIVEL ELBOW

Forged

AQ62DOTS
DQ69S

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
695322S	02569-5302	269PPSDOT-2.5A	5/32" x 1/8"	
		269PPSDOT-2.5B	5/32" x 1/4"	
690402S	02569-0402	269PPSDOT-4A	1/4" x 1/8"	
690404S	02569-0404	269PPSDOT-4B	1/4" x 1/4"	
690406S	02569-0406	269PPSDOT-4C	1/4" x 3/8"	
690602S	02569-0602	269PPSDOT-6A	3/8" x 1/8"	
690604S	02569-0604	269PPSDOT-6B	3/8" x 1/4"	
690606S	02569-0606	269PPSDOT-6C	3/8" x 3/8"	
690608S	02569-0608	269PPSDOT-6D	3/8" x 1/2"	
		269PPSDOT-6E	3/8" x 3/4"	
690804S	02569-0804	269PPSDOT-8B	1/2" x 1/4"	
690806S	02569-0806	269PPSDOT-8C	1/2" x 3/8"	
690808S	02569-0808	269PPSDOT-8D	1/2" x 1/2"	
691006S	02569-1006	269PPSDOT-10C	5/8" x 3/8"	
691008S	02569-1008	269PPSDOT-10D	5/8" x 1/2"	
		269PPSDOT-10E	5/8" x 3/4"	
		269PPSDOT-12C	3/4" x 3/8"	
691208S	02569-1208	269PPSDOT-12D	3/4" x 1/2"	
691212S	02569-1212	269PPSDOT-12E	3/4" x 3/4"	

AQ69DOTS 169PMT 1869 DQ69DOTS

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D.O.T. PUSH-IN

BRASS FITTINGS

FEMALE ELBOW



Forged

AQ70DOTS
DQ70

MIDLAND	AMC	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
700402	02470-0402	270PPDOT-4A	1/4" x 1/8"	
700404	02470-0404	270PPDOT-4B	1/4" x 1/4"	
700406	02470-0406	270PPDOT-4C	1/4" x 3/8"	
700602			3/8" x 1/8"	
700604	02470-0604	270PPDOT-6B	3/8" x 1/4"	
700606	02470-0606	270PPDOT-6C	3/8" x 3/8"	
700806		270PPDOT-8C	1/2" x 3/8"	
700808	02470-0808	270PPDOT-8D	1/2" x 1/2"	

AQ70DOTS 1870 DQ70DOTS 170PMTNS

FEMALE SWIVEL ELBOW



AQ70DOTS

MIDLAND	AMC	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
	02570-0402	270PPSDOT-4A	1/4" x 1/8"	
700404S	02570-0404	270PPSDOT-4B	1/4" x 1/4"	
		270PPSDOT-6B	3/8" x 1/4"	

MALE RUN TEE



Forged

AQ71DOT
DQ71

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF (1 X 3) X 2	LIST
710402	02471-0402	271PPDOT-4A	1/4" x 1/8"	
			(1/4" x 3/8") x 1/4"	
710404	02471-0404	271PPDOT-4B	1/4" x 1/4"	
710604	02471-0604	271PPDOT-6B	3/8" x 1/4"	
71060404		271PPDOT-64B	(3/8" x 1/4") x 1/4"	
710606	02471-0606	271PPDOT-6C	3/8" x 3/8"	
71060406		271PPDOT-64C	(3/8" x 1/4") x 3/8"	
710608			3/8" x 1/2"	
710806	02471-0806	271PPDOT-8C	1/2" x 3/8"	

AQ71DOT 171PMTNS 1871 DQ71DOT

MALE SWIVEL RUN TEE



Forged

AQ71DOTS
DQ71S

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
710402S	02571-0402	271PPSDOT-4A	1/4" x 1/8"	
710404S	02571-0404	271PPSDOT-4B	1/4" x 1/4"	
710604S	02571-0604	271PPSDOT-6B	3/8" x 1/4"	
710606S	02571-0606	271PPSDOT-6C	3/8" x 3/8"	
710804S		271PPSDOT-8B	1/2" x 1/4"	
710806S	02571-0806	271PPSDOT-8C	1/2" x 3/8"	
710808S	02571-0808	271PPSDOT-8D	1/2" x 1/2"	

AQ71DOTS 171PMT 1871 DQ71DOTS

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BRASS

D.O.T. PUSH-IN

BRASS FITTINGS

MALE 45° ELBOW

Forged
AQ54DOT
DQ54

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
540402	02454-0402	279PPDOT-4A	1/4" x 1/8"	
540404	02454-0404	279PPDOT-4B	1/4" x 1/4"	
540602	02454-0602	279PPDOT-6A	3/8" x 1/8"	
540604	02454-0604	279PPDOT-6B	3/8" x 1/4"	
540606	02454-0606	279PPDOT-6C	3/8" x 3/8"	
540608	02454-0608	279PPDOT-6D	3/8" x 1/2"	
540804	02454-0804	279PPDOT-8B	1/2" x 1/4"	
540806	02454-0806	279PPDOT-8C	1/2" x 3/8"	
540808		279PPDOT-8D	1/2" x 1/2"	
541006		279PPDOT-10C	5/8" x 3/8"	
541008	02454-1008	279PPDOT-10D	5/8" x 1/2"	
541208		279PPDOT-12D	3/4" x 1/2"	
541212		279PPDOT-12E	3/4" x 3/4"	

AQ54DOT 179MTNS 1880 DQ54DOT

MALE 45° SWIVEL ELBOW

AQ54DOTS
DQ54S

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
540402S	02554-0402	279PPSDOT-4A	1/4" x 1/8"	
540404S	02554-0404	279PPSDOT-4B	1/4" x 1/4"	
540602S	02554-0602	279PPSDOT-6A	3/8" x 1/8"	
540604S	02554-0604	279PPSDOT-6B	3/8" x 1/4"	
540606S	02554-0606	279PPSDOT-6C	3/8" x 3/8"	
		279PPSDOT-6D	3/8" x 1/2"	
540804S	02554-0804	279PPSDOT-8B	1/2" x 1/4"	
540806S	02554-0806	279PPSDOT-8C	1/2" x 3/8"	
540808S	02554-0808	279PPSDOT-8D	1/2" x 1/2"	
		279PPSDOT-10C	5/8" x 3/8"	
541008S	02554-1008	279PPSDOT-10D	5/8" x 1/2"	
		279PPSDOT-12E	3/4" x 3/4"	

AQ54DOTS 179PMT 1880 DQ54DOTS

MALE BRANCH TEE

Forged
AQ72DOT
DQ72

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF (1 X 2) X 3	LIST
		272PPDOT-2.5A	5/32" x 1/8"	
720302			3/16" x 1/8"	
720402	02472-0402	272PPDOT-4A	1/4" x 1/8"	
720404	02472-0404	272PPDOT-4B	1/4" x 1/4"	
720604	02472-0604	272PPDOT-6B	3/8" x 1/4"	
72060404			(3/8" x 1/4") x 1/4"	
720606	02472-0606	272PPDOT-6C	3/8" x 3/8"	
		272PPDOT-6D	3/8" x 1/2"	
720804	02472-0804		1/2" x 1/4"	
720806	02472-0806	272PPDOT-8C	1/2" x 3/8"	
720808			1/2" x 1/2"	

AQ72DOT 172PMTNS 1872 DQ72DOT

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D.O.T. PUSH-IN

BRASS FITTINGS

MALE SWIVEL BRANCH TEE

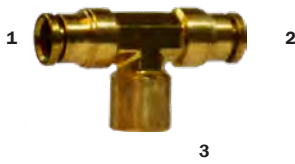


AQ72DOTS
DQ72S

MIDLAND	AMC	CHAMPION	TUBE O.D. X MALE NPTF	LIST
720402S	02572-0402	272PPSDOT-4A	1/4" x 1/8"	
720404S	02572-0404	272PPSDOT-4B	1/4" x 1/4"	
720602S		272PPSDOT-6A	3/8" x 1/8"	
720604S	02572-0604	272PPSDOT-6B	3/8" x 1/4"	
720606S	02572-0606	272PPSDOT-6C	3/8" x 3/8"	
		272PPSDOT-6D	3/8" x 1/2"	
720804S	02572-0804	272PPSDOT-8B	1/2" x 1/4"	
720806S	02572-0806	272PPSDOT-8C	1/2" x 3/8"	
720808S	02572-0808	272PPSDOT-8D	1/2" x 1/2"	

AQ72DOTS 172PMT 1872 DQ72DOTS

FEMALE BRANCH TEE



AQ77DOT
DQ77

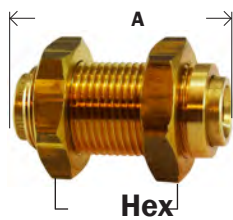
(RUN) BRANCH				
MIDLAND	AMC	CHAMPION	(1 & 2) X 3	LIST
770402	02477-0402	277PPDOT-4A	1/4" x 1/8"	
770404		277PPDOT-4B	1/4" x 1/4"	
770604		277PPDOT-6B	3/8" x 1/4"	
		277PPDOT-6C	3/8" x 3/8"	

GLADHAND BULKHEAD CONNECTOR



TUBE OD X MALE NPTF				
MIDLAND	AMC	CHAMPION	SIZE	LIST
830808			1/2" x 1/2"	

BULKHEAD UNION



AQ82DOT
DQ82

MIDLAND	AMC	CHAMPION	TUBE O.D.	LIST
820400	02482-04	262BHPPDOT-4	1/4"	
820600	02482-06	262BHPPDOT-6	3/8"	
820800	02482-08	262BHPPDOT-8	1/2"	
821000	02482-10	262BHPPDOT-10	5/8"	

AQ82DOT 62PMTBH 1874 DQ82DOTS

FEMALE BULKHEAD UNION



AQ86DOT
DQ86

• Jam nuts not available separately

MIDLAND	AMC	CHAMPION	TUBE O.D. X FEMALE NPTF	LIST
860402	02486-0402	266BHPPDOT-4A	1/4" x 1/8"	
860404	02486-0404	266BHPPDOT-4B	1/4" x 1/4"	
860604	02486-0604	266BHPPDOT-6B	3/8" x 1/4"	
860606		266BHPPDOT-6C	3/8" x 3/8"	
		266BHPPDOT-8C	1/2" x 3/8"	
860808			1/2" x 1/2"	

AQ86DOT 1873 DQ86DOT 66PMTBH