



AL KON

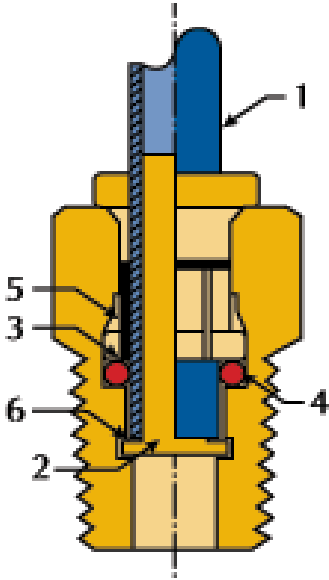
**AQ-DOT
PUSH-IN AIR
BRAKE FITTINGS**



**FITTINGS
CARTRIDGES
MANIFOLDS**

**NEW
BRASS
PIPE FITTINGS**

HOW TO USE THE ALKON DOT PUSH-IN FITTING



When tubing (1) is inserted into the fitting, the inside diameter passes over the brass tube support (2). This, combined with the action of the gripper, insures that the air brake hose assembly will safely exceed the tensile requirements of FMVSS-106. The tubing then passes through the gripping teeth (3). The tubing continues beyond the gripping teeth through the inside diameter of the lubricated "O" ring (4) which seals on the outside diameter of the tubing. The gripping teeth grab the tube. Pulling back on the tube only tightens the grip on the tubing as the insert moves onto the camming surface (5). Pressure through the tube also serves to tighten the grip. The tube bottoms against a positive tube stop (6) in a cavity which keeps tube round to prevent leakage.



TO CONNECT TUBE:

Cut plastic as squarely as possible. Insert tube into fitting until friction is felt as tube slides past the O-ring. Using a slight twisting motion while inserting the tube is often helpful. After this initial friction is felt, continue to push in the tube until it bottoms firmly against the internal tube stop.



TO DISCONNECT TUBE:

With thumb and forefinger, hold down the top of the insert against the fitting body and then, with the other hand, pull out the tubing. No tools are needed.

SPECIFICATIONS

- **STANDARDS:** D.O.T. FMVSS 571.106 Air Brake Performance Requirements
SAE J1131 Air Brake Performance Requirements.
- **MATERIALS OF CONSTRUCTION:**
 - Body (straights) tube supports and grippers: Brass CA360.
 - Forged Elbows and Tees: Brass CA377.
 - "O" Ring: Buna N, alternate compounds on request.
 - Thread Sealant: Loctite 516.
- **WORKING PRESSURE:** Vacuum to 150 PSI.
- **WORKING TEMPERATURE:** -40 F to +200 F.
- **THREADS:** NPTF Standard. For other thread standards consult factory.
- **TUBE "OD" SIZES:** 5/32", 3/16", 1/4", 3/8", 1/2", 5/8", (3/4" available early 1998).
For Metric sizes consult factory.
- **SWIVEL ELBOWS AND TEES:** Designed for alignment purposes only.
- **TUBING REQUIREMENTS:** Designed for use with SAE J844 Nylon Tubing.
- **CAD DATA:** Available on request in .DWG and .DXF formats.

PRODUCT FEATURES

- **POSITIVE SEAL:** Tube support area beyond "O" ring exceeds that of all competitive products. Compensates for bias cut tubing and dramatically reduces trouble shooting time.
- **SWIVEL AND FIXED ELBOWS AND TEES:** Threaded tees and elbows available with
swivel or fixed threads. Swivels allow close center line installation eliminating orientation problems. Fixed fittings offer the utmost in economy.
- **THREAD SEALANT:** Pre-applied at no charge to all AQ-DOT male threads.
- **LABOR SAVINGS:** Reduces assembly time compared to compression fittings by up to 90%.
- **CUSTOM DESIGNS:** Alkon offers custom parts on short notice and welcomes these opportunities.



SERIES AQ DOT

PAGE

Push-In DOT Tube Fittings 4 - 9

Press-In DOT Cartridges 6

Specialty Suspension Fittings 9

SERIES 100

Brass Pipe Fittings 10 - 14

SERIES AQCAP

Color Coordinated Snap-On Identification Caps 14

SERIES MQ



CORPORATE OFFICE

45 U.S. Highway 46, P.O. Box 641, Pine Brook, New Jersey 07058
973-808-8686 • FAX: 973-808-0444

MANUFACTURING SUBSIDIARY – SEAWIN INC.

728 Graham Drive, Fremont, Ohio 43420

ALKON PRODUCTS S.A. de C.V.

M Villalongin #196-A Local 4, Col. Cuauhtemoc, Mexico, D.F. 06500
Tel: 5256282 • FAX: 5256289

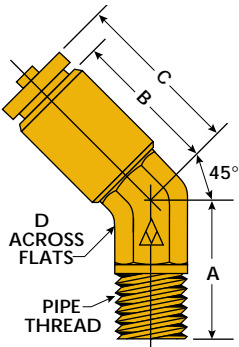


FITTINGS AND VALVES MANUFACTURING PLANT LOCATED IN FREMONT, OHIO

PUSH-IN AIR BRAKE FITTINGS

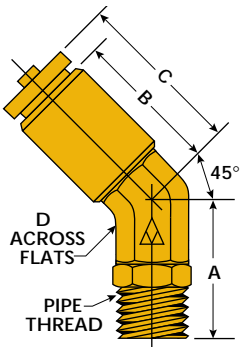
AIR BRAKE: For all AIR BRAKE applications except those designed to use between frame and axle or between towed or towing vehicle.

AQ54-DOT 45 MALE ELBOW



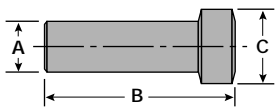
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AQ54-DOT-4X2	1/4"	1/8"	.83	.89	.99	3/8"
AQ54-DOT-4X4	1/4"	1/4"	.91	.89	.99	3/8"
AQ54-DOT-6X2	3/8"	1/8"	.75	.89	.99	1/2"
AQ54-DOT-6X4	3/8"	1/4"	.95	.98	1.08	1/2"
AQ54-DOT-6X6	3/8"	3/8"	.89	.98	1.08	1/2"
AQ54-DOT-6X8	3/8"	1/2"	1.13	1.08	1.18	5/8"
AQ54-DOT-8X4	1/2"	1/4"	.98	1.12	1.22	5/8"
AQ54-DOT-8X6	1/2"	3/8"	1.05	1.10	1.20	5/8"
AQ54-DOT-8X8	1/2"	1/2"	1.13	1.09	1.19	5/8"
AQ54-DOT-10X8	5/8"	1/2"	1.12	1.12	1.22	11/16"

AQ54-DOTS 45 SWIVEL MALE ELBOW



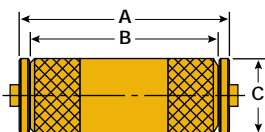
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AQ54-DOTS-4X2	1/4"	1/8"	.99	.89	.99	3/8"
AQ54-DOTS-4X4	1/4"	1/4"	1.10	.89	.99	3/8"
AQ54-DOTS-6X2	3/8"	1/8"	1.07	.98	1.08	1/2"
AQ54-DOTS-6X4	3/8"	1/4"	1.07	.98	1.08	1/2"
AQ54-DOTS-6X6	3/8"	3/8"	1.23	.97	1.07	1/2"
AQ54-DOTS-8X4	1/2"	1/4"	1.22	1.12	1.22	5/8"
AQ54-DOTS-8X6	1/2"	3/8"	1.32	1.10	1.20	5/8"
AQ54-DOTS-8X8	1/2"	1/2"	1.61	1.10	1.20	5/8"
AQ54-DOTS-10x8	5/8"	1/2"	1.63	1.23	1.33	11/16"

AQ59-DOT NYLON PLUG



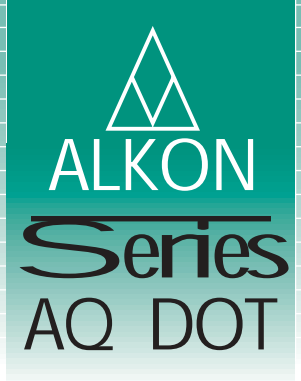
PART NUMBER	A PUSH-IN O.D.	B LENGTH	C
AQ59-P-5/32	5/32"	1.16	.32
AQ59-P-4	1/4"	1.40	.43
AQ59-P-6	3/8"	1.40	.55
AQ59-P-8	1/2"	1.50	.70

AQ62-DOT UNION CONNECTOR



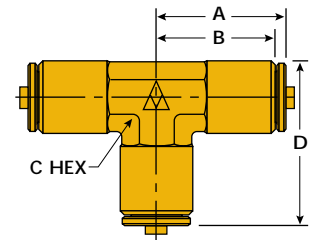
PART NUMBER	TUBE O.D.	A	B	C
AQ62-DOT-5/32	5/32"	1.38	1.18	.37
AQ62-DOT-4	1/4"	1.78	1.58	.44
AQ62-DOT-6	3/8"	1.78	1.58	.56
AQ62-DOT-8	1/2"	1.95	1.75	.69
AQ62-DOT-10	5/8"	2.10	1.90	.87

PUSH-IN AIR BRAKE FITTINGS



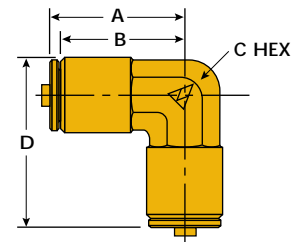
AQ64-DOT UNION TEE

PART NUMBER	TUBE O.D.	A	B	C	D
AQ64-DOT-4	1/4"	1.02	.92	3/8"	1.26
AQ64-DOT-6	3/8"	1.08	.98	1/2"	1.38
AQ64-DOT-8	1/2"	1.26	1.16	5/8"	1.62
AQ64-DOT-10	5/8"	1.29	1.19	11/16"	1.72



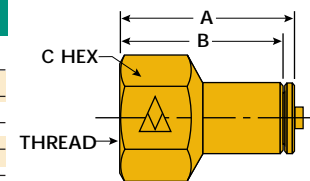
AQ65-DOT UNION ELBOW

PART NUMBER	TUBE O.D.	A	B	C	D
AQ65-DOT-4	1/4"	1.01	.91	3/8"	1.24
AQ65-DOT-6	3/8"	1.08	.98	1/2"	1.38
AQ65-DOT-8	1/2"	1.25	1.15	5/8"	1.60



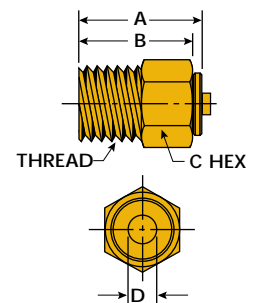
AQ66-DOT FEMALE CONNECTOR

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AQ66-DOT-5U32X2	5/32"	1/8"	1.11	1.10	5/8"
AQ66-DOT-4X2	1/4"	1/8"	1.33	1.23	9/16"
AQ66-DOT-4X4	1/4"	1/4"	1.52	1.42	3/4"
AQ66-DOT-6X4	3/8"	1/4"	1.40	1.30	3/4"
AQ66-DOT-6X6	3/8"	3/8"	1.51	1.41	7/8"
AQ66-DOT-8X6	1/2"	3/8"	1.61	1.51	7/8"
AQ66-DOT-8X8	1/2"	1/2"	1.81	1.73	1-1/8"



AQ68-DOT MALE CONNECTOR

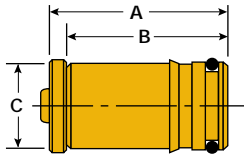
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AQ68-DOT-5U32X1	5/32"	1/16"	.77	.67	3/8"	.09
AQ68-DOT-5U32X2	5/32"	1/8"	.77	.67	7/16"	.09
AQ68-DOT-3X2	3/16"	1/8"	1.00	.90	7/16"	.14
AQ68-DOT-4X1	1/4"	1/16"	1.02	.92	7/16"	.14
AQ68-DOT-4X2	1/4"	1/8"	1.02	.92	7/16"	.14
AQ68-DOT-4X4	1/4"	1/4"	1.06	.96	9/16"	.14
AQ68-DOT-4X6	1/4"	3/8"	1.12	1.02	11/16"	.14
AQ68-DOT-6X2	3/8"	1/8"	1.28	1.18	9/16"	.23
AQ68-DOT-6X4	3/8"	1/4"	1.21	1.11	9/16"	.23
AQ68-DOT-6X6	3/8"	3/8"	1.12	1.02	11/16"	.23
AQ68-DOT-6X8	3/8"	1/2"	1.12	1.02	7/8"	.23
AQ68-DOT-8X4	1/2"	1/4"	1.46	1.36	11/16"	.35
AQ68-DOT-8X6	1/2"	3/8"	1.28	1.18	11/16"	.35
AQ68-DOT-8X8	1/2"	1/2"	1.12	1.02	7/8"	.35
AQ68-DOT-10X6	5/8"	3/8"	1.44	1.34	7/8"	.42
AQ68-DOT-10X8	5/8"	1/2"	1.68	1.58	7/8"	.42
AQ68-DOT-12X8	3/4"	1/2"				



Available Early 1998

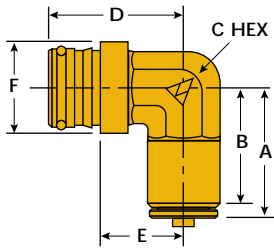
PUSH-IN AIR BRAKE FITTINGS

AQ688-DOT PRESS-IN CARTRIDGE



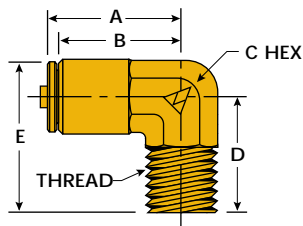
PART NUMBER	TUBE O.D.	A	B	C
AQ688-DOT-5/32	5/32"	.69	.59	.32
AQ688-DOT-3	3/16"	.78	.68	.41
AQ688-DOT-4	1/4"	.86	.76	.41
AQ688-DOT-4X6	1/4"	Available Early 1998		
AQ688-DOT-6	3/8"	.86	.76	.64
AQ688-DOT-6X8	3/8"	Available Early 1998		
AQ688-DOT-8	1/2"	.95	.85	.74
AQ688-DOT-8X6	1/2"	Available Early 1998		
AQ688-DOT-10	5/8"	.95	.85	.85
AQ688-DOT-12	3/4"	Available Early 1998		

AQ698-DOTS PRESS-IN CARTRIDGE ELBOW



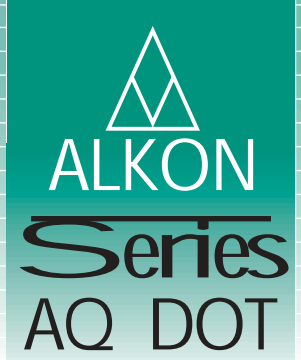
PART NUMBER	TUBE O.D.	A	B	C	D	E	F
AQ698-DOTS-5/32	5/32"	.79	.69	3/8"	.95	.60	.50
AQ698-DOTS-4	1/4"	.99	.89	3/8"	.75	.45	.56
AQ698-DOTS-6	3/8"	1.08	.98	1/2"	1.25	.65	.81
AQ698-DOTS-8	1/2"	Available Early 1998					
AQ698-DOTS-10	5/8"	Available Early 1998					

AQ69-DOT MALE ELBOW



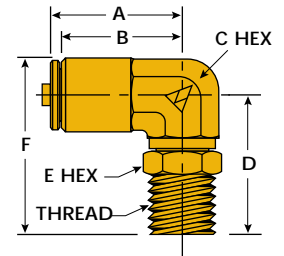
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ69-DOT-5/32X2	5/32"	1/8"	.77	.67	5/16"	.67	.85
AQ69-DOT-4X2	1/4"	1/8"	1.01	.91	3/8"	.75	.99
AQ69-DOT-4X4	1/4"	1/4"	1.04	.94	3/8"	.96	1.20
AQ69-DOT-4X6	1/4"	3/8"	1.10	1.00	1/2"	.98	1.27
AQ69-DOT-6X2	3/8"	1/8"	1.08	.98	1/2"	.80	1.10
AQ69-DOT-6X4	3/8"	1/4"	1.08	.98	1/2"	.94	1.25
AQ69-DOT-6X6	3/8"	3/8"	1.08	.98	1/2"	.98	1.28
AQ69-DOT-6X8	3/8"	1/2"	1.14	1.04	5/8"	1.19	1.56
AQ69-DOT-8X4	1/2"	1/4"	1.25	1.15	5/8"	1.05	1.41
AQ69-DOT-8X6	1/2"	3/8"	1.25	1.15	5/8"	1.02	1.38
AQ69-DOT-8X8	1/2"	1/2"	1.26	1.16	5/8"	1.20	1.56
AQ69-DOT-10X6	5/8"	3/8"	1.27	1.17	3/4"	1.13	1.57
AQ69-DOT-10X8	5/8"	1/2"	1.30	1.20	11/16"	1.28	1.72
AQ69-DOT-12X8	3/4"	1/2"	Available Early 1998				

PUSH-IN AIR BRAKE FITTINGS



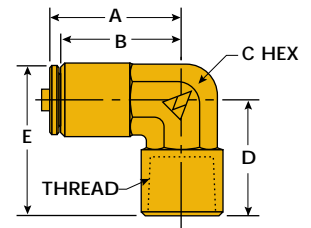
AQ69-DOTS SWIVEL MALE ELBOW

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ69-DOTS-5U ₃₂ X2	5/32"	1/8"	.79	.69	3/8"	.91	7/16"	1.13
AQ69-DOTS-4X2	1/4"	1/8"	.99	.89	3/8"	.88	7/16"	1.13
AQ69-DOTS-4X4	1/4"	1/4"	.99	.89	3/8"	1.02	9/16"	1.25
AQ69-DOTS-4X6	1/4"	3/8"	1.08	.98	1/2"	1.14	11/16"	1.43
AQ69-DOTS-6X2	3/8"	1/8"	1.08	.98	1/2"	1.08	7/16"	1.38
AQ69-DOTS-6X4	3/8"	1/4"	1.08	.98	1/2"	1.14	9/16"	1.44
AQ69-DOTS-6X6	3/8"	3/8"	1.08	.98	1/2"	1.19	11/16"	1.49
AQ69-DOTS-6X8	3/8"	1/2"	1.08	.98	1/2"	1.52	7/8"	1.82
AQ69-DOTS-8X4	1/2"	1/4"	1.26	1.16	5/8"	1.26	9/16"	1.61
AQ69-DOTS-8X6	1/2"	3/8"	1.26	1.16	5/8"	1.34	11/16"	1.68
AQ69-DOTS-8X8	1/2"	1/2"	1.26	1.16	5/8"	1.61	7/8"	1.96
AQ69-DOTS-10X6	5/8"	3/8"	1.33	1.23	11/16"	1.41	11/16"	1.85
AQ69-DOTS-10X8	5/8"	1/2"	1.33	1.23	11/16"	1.67	7/8"	2.11
AQ69-DOTS-12X8	3/4"	1/2"	Available Early 1998					



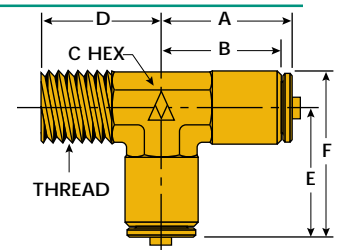
AQ70-DOT FEMALE ELBOW

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ70-DOT-4X2	1/4"	1/8"	1.02	.92	3/8"	.83	1.06
AQ70-DOT-4X4	1/4"	1/4"	1.12	1.02	1/2"	1.02	1.31
AQ70-DOT-4X6	1/4"	3/8"	1.21	1.11	5/8"	.98	1.35
AQ70-DOT-6X4	3/8"	1/4"	1.06	.96	1/2"	.94	1.25
AQ70-DOT-6X6	3/8"	3/8"	1.08	.98	5/8"	.91	1.27
AQ70-DOT-8X8	1/2"	1/2"	1.24	1.14	5/8"	1.21	1.57



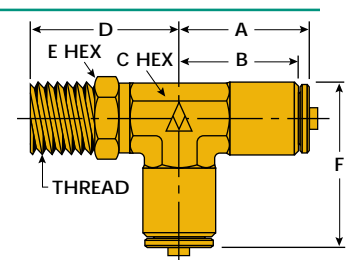
AQ71-DOT MALE RUN TEE

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ71-DOT-4X2	1/4"	1/8"	1.02	.92	3/8"	.74	1.00	1.24
AQ71-DOT-4X4	1/4"	1/4"	1.02	.92	7/16"	.92	1.00	1.27
AQ71-DOT-6X4	3/8"	1/4"	1.08	.98	1/2"	.98	1.08	1.39
AQ71-DOT-6X6	3/8"	3/8"	1.08	.98	1/2"	.98	1.07	1.37
AQ71-DOT-8X6	1/2"	3/8"	1.24	1.14	5/8"	1.05	1.24	1.60



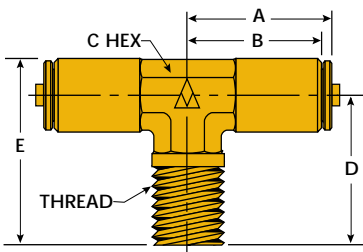
AQ71-DOTS SWIVEL MALE RUN TEE

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ71-DOTS-4X2	1/4"	1/8"	1.00	.92	3/8"	1.05	7/16"	1.26
AQ71-DOTS-4X4	1/4"	1/4"	1.20	.92	3/8"	1.24	9/16"	1.26
AQ71-DOTS-6X4	3/8"	1/4"	1.10	1.00	1/2"	1.14	9/16"	1.45
AQ71-DOTS-6X6	3/8"	3/8"	1.08	.98	1/2"	1.18	11/16"	1.38
AQ71-DOTS-8X6	1/2"	3/8"	1.24	1.14	5/8"	1.31	11/16"	1.59
AQ71-DOTS-8X8	1/2"	1/2"	1.24	1.14	5/8"	1.61	7/8"	1.59



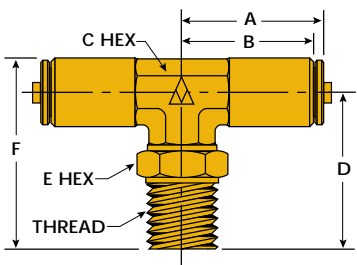
PUSH-IN AIR BRAKE FITTINGS

AQ72-DOT MALE BRANCH TEE



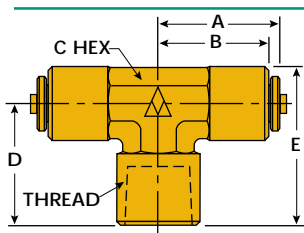
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ72-DOT-4X2	1/4"	1/8"	1.02	.92	3/8"	.74	.98
AQ72-DOT-4X4	1/4"	1/4"	1.02	.92	7/16"	.92	1.17
AQ72-DOT-6X4	3/8"	1/4"	1.09	.99	1/2"	1.00	1.30
AQ72-DOT-6X6	3/8"	3/8"	1.09	.99	1/2"	.98	1.29
AQ72-DOT-8X4	1/2"	1/4"	1.20	1.10	5/8"	1.07	1.43
AQ72-DOT-8X6	1/2"	3/8"	1.26	1.16	5/8"	1.05	1.41

AQ72-DOTS SWIVEL MALE BRANCH TEE



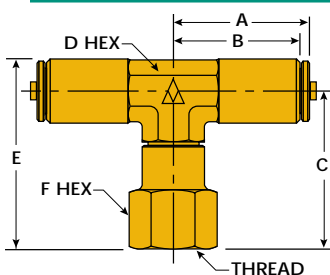
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ72-DOTS-3X2	3/16"	1/8"	1.02	.92	9/16"	1.00	7/16"	1.24
AQ72-DOTS-4X2	1/4"	1/8"	1.02	.92	3/8"	1.04	7/16"	1.28
AQ72-DOTS-4X4	1/4"	1/4"	1.02	.92	3/8"	1.16	9/16"	1.40
AQ72-DOTS-6X2	3/8"	1/8"	1.06	.96	1/2"	1.06	7/16"	1.36
AQ72-DOTS-6X4	3/8"	1/4"	1.09	.99	1/2"	1.16	9/16"	1.46
AQ72-DOTS-6X6	3/8"	3/8"	1.08	.98	1/2"	1.21	11/16"	1.51
AQ72-DOTS-8X4	1/2"	1/4"	1.26	1.16	5/8"	1.26	9/16"	1.63
AQ72-DOTS-8X6	1/2"	3/8"	1.26	1.16	5/8"	1.34	11/16"	1.70
AQ72-DOTS-8X8	1/2"	1/2"	1.26	1.16	5/8"	1.64	7/8"	2.00

AQ77-DOT FEMALE BRANCH TEE



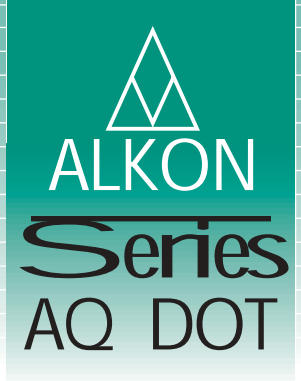
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ77-DOT-4X2	1/4"	1/8"	.95	.85	7/16"	.75	1.00
AQ77-DOT-4X4	1/4"	1/4"	1.08	.98	1/2"	.96	1.25
AQ77-DOT-6X4	3/8"	1/4"	1.06	.96	1/2"	.98	1.29
AQ77-DOT-6X6	3/8"	3/8"	1.40	1.30	11/16"	1.3	1.75

AQ77-DOTS SWIVEL FEMALE BRANCH TEE



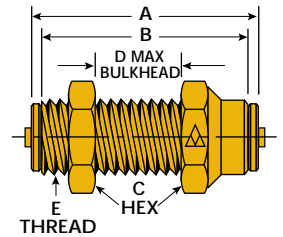
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ77-DOTS-4X2	1/4"	1/8"	1.02	.92	3/8"	1.13	1.37	9/16"
AQ77-DOTS-4X4	1/4"	1/4"	1.02	.92	3/8"	1.29	1.53	3/4"
AQ77-DOTS-6X4	3/8"	1/4"	1.06	.96	1/2"	1.52	1.83	3/4"

PUSH-IN AIR BRAKE FITTINGS



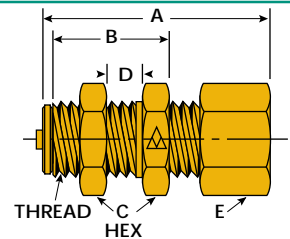
AQ82-DOT BULKHEAD UNION

PART NUMBER	TUBE O.D.	A	B	C	D	E (THREAD)
AQ82-DOT-4	1/4"	1.85	1.69	11/16"	1.00	1/2-20
AQ82-DOT-6	3/8"	1.85	1.69	13/16"	1.00	5/8-18
AQ82-DOT-8	1/2"	1.90	1.75	15/16"	1.02	3/4-16
AQ82-DOT-10	5/8"	1.92	1.85	1-1/8"	.9415	16-16



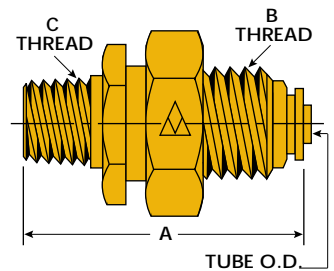
AQ82-CDOT MIXED BULKHEAD UNION (Compression to Push-In)

PART NUMBER	TUBE O.D.	THREAD	A	B	C	D	E
AQ82-CDOT-4	1/4"	1/2-20	2.16	1.46	11/16"	.925	1/2"
AQ82-CDOT-6	3/8"	5/8-18	2.20	1.45	13/16"	.913	5/8"



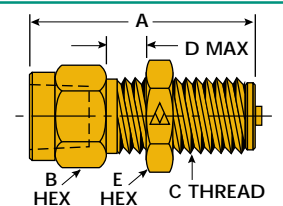
AQ83-DOT GLADHAND BULKHEAD CONNECTOR

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AQ83-DOT-6X8	3/8"	1/2" 1-7/8"	1"-14	1/2"	
AQ83-LDOT-6X8	3/8"	1/2" 2-25/32"	1"-14	1/2"	
AQ83-DOT-8X8	1/2"	1/2" 1-7/8"	1"-14	1/2"	
AQ83-LDOT-8X8	1/2"	1/2" 2-25/32"	1"-14	1/2"	



AQ86-DOT FEMALE BULKHEAD UNION

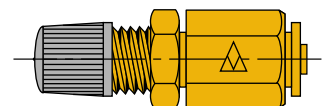
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C (THREAD)	D	E
AQ86-DOT-4X2	1/4"	1/8"	1.30	11/16"	1/2-20	.638	11/16"
AQ86-DOT-4X4	1/4"	1/4"	1.53	3/4"	1/2-20	.638	11/16"
AQ86-DOT-6X4	3/8"	1/4"	1.89	3/4"	5/8-18	1.0	13/16"
AQ86-DOT-6X6	3/8"	3/8"	1.94	7/8"	5/8-18	1.0	13/16"



SPECIALTY SUSPENSION FITTINGS

AQ62-SV DOT VALVE TO TUBE BULKHEAD UNION

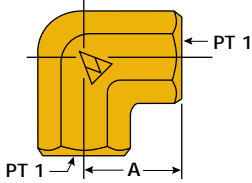
PART NUMBER	TUBE O.D.
AQ62-SV-4	1/4"



BRASS PIPE FITTINGS

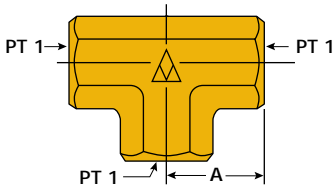
Working Pressure: 3,000 Maximum - 1,000 Nominal
Dryseal Threads
Shapes: brass, forged SAE CA377 or equal, Straights: brass, SAE CA360 or equal
Meets all SAE brass pipe fitting standards

100A 90 UNION ELBOW



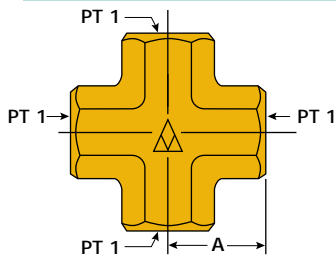
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
100A-2x2	1/8"	.328	.546
100A-4x4	1/4"	.422	.781
100A-6x6	3/8"	.562	.812
100A-8x8	1/2"	.687	1.015

101A UNION TEE



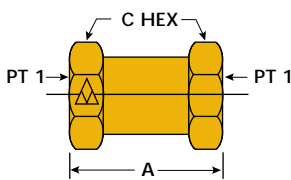
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
101A-2x2	1/8"	.328	.546
101A-4x4	1/4"	.422	.719
101A-6x6	3/8"	.562	.840
101A-8x8	1/2"	.687	1.230

102A CROSS



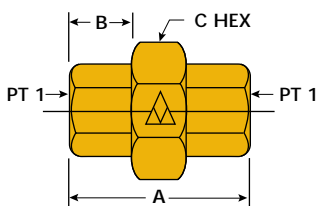
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
102A-2	1/8"	.328	.546
102A-4	1/4"	.422	.781
102A-6	3/8"	.562	.840
102A-8	1/2"	.687	1.090

103A COUPLING



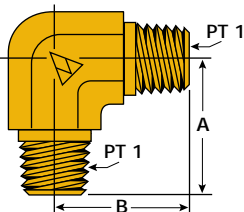
PART NUMBER	PT 1	A	C HEX
103A-2	1/8"	.750	.562
103A-4	1/4"	1.120	.750
103A-6	3/8"	1.125	.875
103A-8	1/2"	1.500	1.062

104A UNION



PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B	C HEX
104A-4	1/4"	.437	1.468	.687	1.062
104A-6	3/8"	.562	1.625	.875	1.312

106A FORGED MALE ELBOW



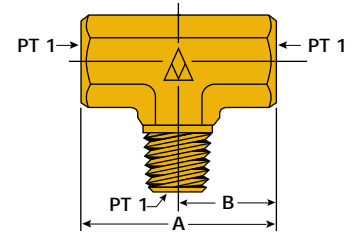
PART NUMBER	PT 1	A	C HEX
106A-2	1/8"		
106A-4	1/4"		
106A-6	3/8"		
106A-8	1/2"		

BRASS PIPE FITTINGS



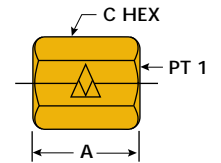
107A BRANCH TEE

PART NUMBER	PT 1	A	B
107A-2	1/8"	.620	.310
107A-4	1/4"	1.500	.350
107A-6	3/8"	1.600	.800



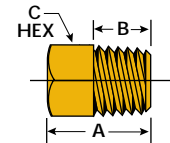
108A CAP

PART NUMBER	PT 1	A	C HEX
108A-2	1/8"	.500	.563
108A-4	1/4"	.750	.750
108A-6	3/8"	.875	.875
108A-8	1/2"	1.063	1.063



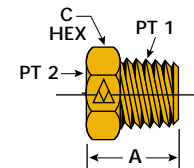
109A SQUARE-HEAD PLUG

PART NUMBER	PT 1	A	B	C HEX
109A-2	1/8"	.609	.340	.281
109A-4	1/4"	.813	.500	.375
109A-6	3/8"	.844	.500	.438
109A-8	1/2"	1.078	.678	.563



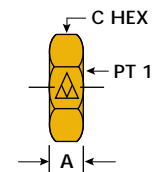
110A BUSHING

PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	C HEX
110A-4X2	1/4"	1/8"	.312	.750	.562
110A-6X2	3/8"	1/8"	.328	.750	.688
110A-6X4	3/8"	1/4"	.422	.750	.750
110A-8X2	1/2"	1/8"	.328	1.000	.875
110A-8X4	1/2"	1/4"	.422	1.000	.875
110A-8X6	1/2"	3/8"	.562	1.000	.875
110A-12X4					
110A-12X6	3/4"	3/8"	.562	1.000	1.125
110A-12X8	3/4"	1/2"	.687	1.000	1.125



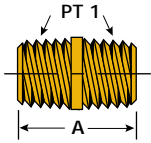
111A LOCK NUT

PART NUMBER	PT 1	A	C HEX
111A-2	1/8"	.187	.625
111A-4	1/4"	.250	.687
111A-6	3/8"	.250	.937
111A-8	1/2"	.250	1.125



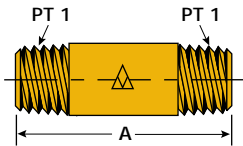
BRASS PIPE FITTINGS

112A CLOSE NIPPLE



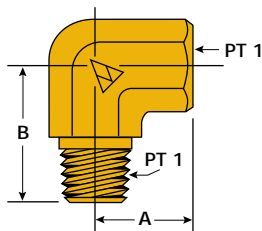
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
112A-2	1/8"	.265	.750
112A-4	1/4"	.358	1.125
112A-6	3/8"	.422	1.125
112A-8	1/2"	.531	1.500
112A-12	3/4"		1.310

113A LONG NIPPLE



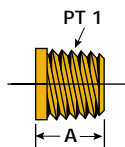
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
113A-2X24	1/8"	.265	1.500
113A-2X32	1/8"	.265	2.000
113A-2X40	1/8"	.281	2.500
113A-2X48	1/8"	.281	3.000
113A-2X56	1/8"	.281	3.500
113A-4X24	1/4"	.358	1.500
113A-4X32	1/4"	.375	2.000
113A-4X40	1/4"	.375	2.500
113A-4X48	1/4"	.375	3.000
113A-4X56	1/4"	.375	3.500
113A-6X24	3/8"	.500	1.500
113A-6X32	3/8"	.500	2.000
113A-6X40	3/8"	.500	2.500
113A-6X48	3/8"	.500	3.000
113A-6X56	3/8"	.500	3.500
113A-8X24	1/2"	.625	1.500
113A-8X32	1/2"	.625	2.000
113A-8X40	1/2"	.625	2.500
113A-8X48	1/2"	.625	3.000
113A-8X56	1/2"	.625	3.500

116A 90 STREET ELBOW



PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
116A-2X2	1/8"	.187	.546	.812
116A-4X2	1/4"	.312	.718	1.031
116A-4X4	1/4"	.312	.718	1.031
116A-6X6	3/8"	.437	.718	1.187
116A-8X8	1/2"	.562	1.171	1.437

117A SLOTTED HEAD PLUG



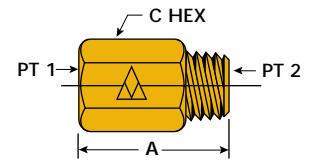
PART NUMBER	PT 1	A
117A-2	1/8"	.312
117A-4	1/4"	.469

BRASS PIPE FITTINGS



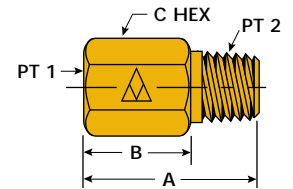
119A REDUCING BUSHING

PART NUMBER	PT 1	PT 2	A	C HEX
119A-4X2	1/4"	1/8"	.970	.750
119A-6X4	3/8"	1/4"	1.160	.875
119A-8X4	1/2"	1/4"	1.190	.937
119A-8X6	1/2"	3/8"	1.375	1.062
119A-12X8	3/4"	3/8"	1.190	1.125



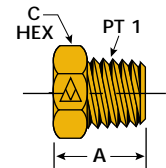
120A ADAPTER

PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	B	C HEX
120A-2X2	1/8"	1/8"	.191	.906	.531	.500
120A-4X2	1/4"	1/8"	.219	1.063	.688	.750
120A-4X4	1/4"	1/4"	.312	1.250	.688	.750
120A-6X2	3/8"	1/8"	.312	1.000	.688	.750
120A-6X4	3/8"	1/4"	.312	1.250	.688	.875
120A-6X6	3/8"	3/8"	.406	1.469	.906	1.062
120A-8X6	1/2"	3/8"	.406	1.469	.906	1.062
120A-8X8	1/2"	1/2"	.500	1.625	1.000	1.125



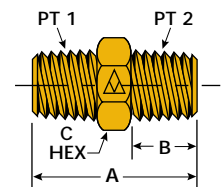
121A HEX-HEAD PLUG

PART NUMBER	PT 1	A	C HEX
121A-2	1/8"	.531	.437
121A-4	1/4"	.750	.562
121A-6	3/8"	.781	.562
121A-8	1/2"	.969	.750
121A-12	3/4"	1.062	.750



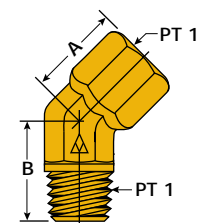
122A HEX NIPPLE

PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	B	C HEX
122A-2X2	1/8"	1/8"	.187	.906	.375	.437
122A-4X2	1/4"	1/8"	.219	1.063	.531	.500
122A-4X4	1/4"	1/4"	.312	1.250	.688	.750
122A-6X4	3/8"	1/4"	.312	1.000	.688	.750
122A-6X6	3/8"	3/8"	.406	1.469	.906	1.062
112A-8X4	1/2"	1/4"	.312	1.250	.688	.750
112A-8X6	1/2"	3/8"	.406	1.469	.906	1.062
122A-8X8	1/2"	1/2"	.500	1.625	1.000	1.125



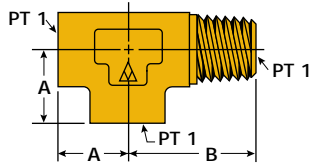
124A 45 STREET ELBOW

PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
124A-2X2	1/8"	.218	.750	.687
124A-4X4	1/4"	.312	.875	.781
124A-6X6	3/8"	.406	1.000	.875
124A-8X8	1/2"	.500	1.125	1.218



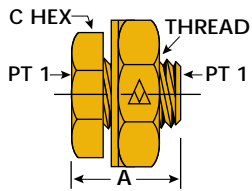
BRASS PIPE FITTINGS

127A STREET TEE



PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
127A-2	1/8"	.187	.750	.750
127A-4	1/4"	.312	.781	1.156
127A-6	3/8"	.840	1.030	
127A-8	1/2"		1.160	1.160

129A BULKHEAD ADAPTER

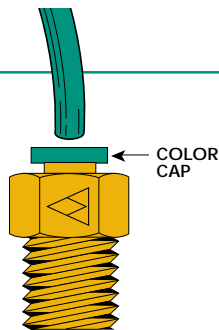


PART NUMBER	PT 1	THREAD	MIN. ORIFICE SIZE	A	C HEX
129A-2X24	1/8"	5/8"-18	.328	1 ¹ / ₂ "	.875
129A-4X15	1/4"	3/4"-16	.421	1 ⁵ / ₁₆ "	1.000
129A-4X24	1/4"	3/4"-16	.421	1 ¹ / ₂ "	1.000
129A-6X21	3/8"	1"-14	.562	1 ⁵ / ₁₆ "	1.125
129A-8X24	1/2"	1 ¹ / ₈ "-14	.687	1 ¹ / ₂ "	1.250

COLOR COORDINATED SNAP-ON IDENTIFICATION CAPS

AQCAP-D COLOR COORDINATED SNAP-ON IDENTIFICATION CAPS

Used in coordination with colored plastic tubing for simplification in plumbing.



PART	TUBE	PART COLOR	COLOR CODE
AQCAP-D-5/32*	5/32"	BLUE	B
AQCAP-D-3*	3/16"	BLACK	BL
AQCAP-D-4*	1/4"	GREEN	GN
AQCAP-D-6*	3/8"	RED	R
AQCAP-D-8*	1/2"	ORANGE	O
AQCAP-D-10*	5/8"	VIOLET	V
		YELLOW	Y

*Add color code required after size designation.

MANIFOLDS WITH PUSH-IN FITTINGS

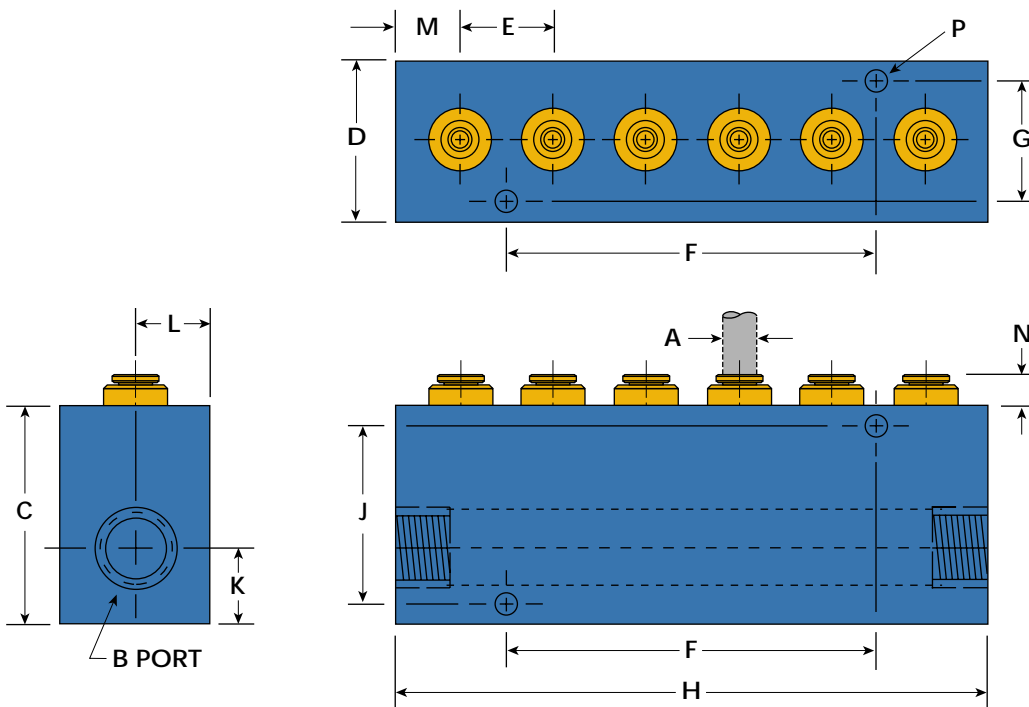


The illustration shown is an example of our manifold capabilities. Standard manifolds are available in tube O.D.' s of 5/32", 3/16", 1/4", 3/8" and 1/2" in any number of outlets on one plane.

Custom manifolds with Push-In DOT tube connections on different planes and in a variety of tube OD' s are available due to the flexibility of Alkon' s CNC Equipment and the ease of cartridge insertion.

Other custom manifolds are available and are limited only by the imagination of the designer.

Manifold materials can be metal or plastic.



MQ22-DOT-5/32x4x6	6	5/32"	1/4"	1.25	1.00	.625	2.50	.710	4.125	.960	.500	.500	.500	.312	.173
MQ22-DOT-3x6x6	6	3/16"	3/8"	1.25	1.00	.625	2.50	.710	4.125	.960	.500	.500	.500	.312	.173
MQ22-DOT-4x6x6	6	1/4"	3/8"	1.50	1.25	.750	3.00	.910	4.875	1.16	.625	.625	.562	.438	.203
MQ22-DOT-6x6x6	6	3/8"	3/8"	1.50	1.25	1.00	4.00	.910	6.25	1.16	.625	.625	.625	.438	.203
MQ22-DOT-8x12x6	6	1/2"	3/4"	2.00	1.75	1.125	4.50	1.41	7.25	1.66	.875	.875	.812	.438	.203



ALKON CORPORATION

CORPORATE OFFICE

45 U.S. Highway 46, P.O. Box 641, Pine Brook, New Jersey 07058

973-808-8686 · FAX: 973-808-0444

Printed in U.S.A. AQDOT-15M-10/97