



The Road to Reliability.



Trans-DOT Catalog

Pneumatic Valves and Fittings for Transportation



ALKON
CORPORATION

Quality Policy

To continuously improve all aspects of our business in order to provide a quality product with an innovative design supported by dependable delivery and loyal customer relations.

Alkon is certified ISO 9001:2008.

Warranty

Alkon Corporation warrants its products to be free of defects in material and workmanship when properly installed and maintained. No other warranty is implied or expressed.

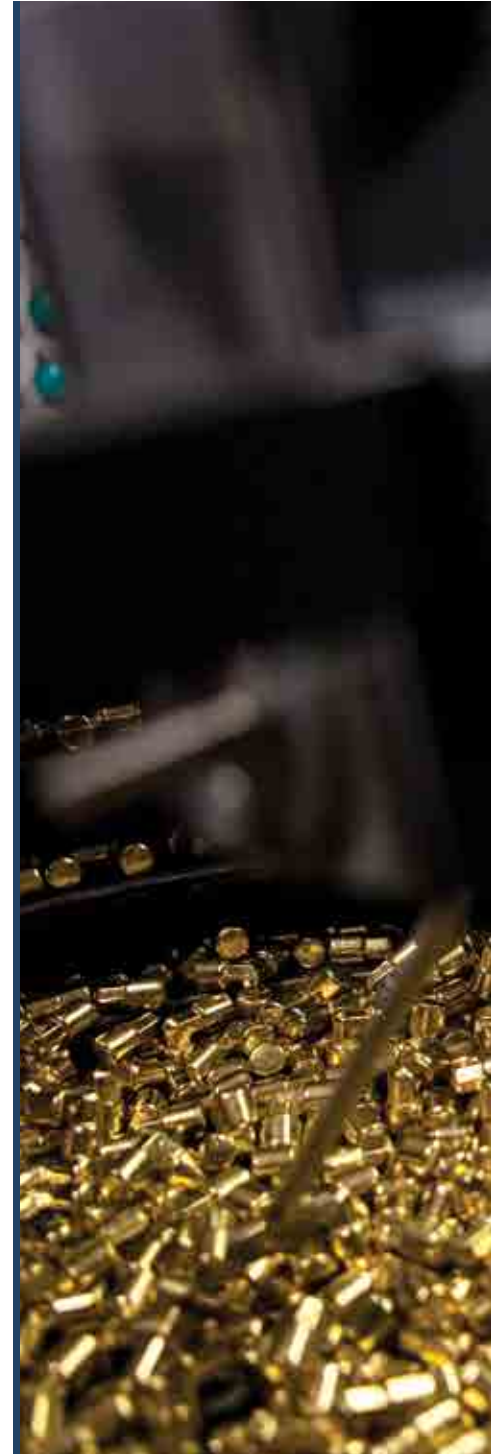
Alkon Corporation's liability for and remedy to are limited to replacement or repair at Alkon's sole discretion if the parts are returned to us under a valid RGA within 18 months of purchase. No allowance whatsoever will be made for repairs made by the purchaser, nor will Alkon be liable for consequential or other damages or any expense incurred through the use of its products. The warranty is valid solely on products of current design. Alkon Corporation is constantly upgrading its products. In keeping with this policy, Alkon Corporation reserves the right to change dimensions, designs and/or performance. These changes may be made at any time.

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How to Use Alkon AQ-DOT Push-In Fittings

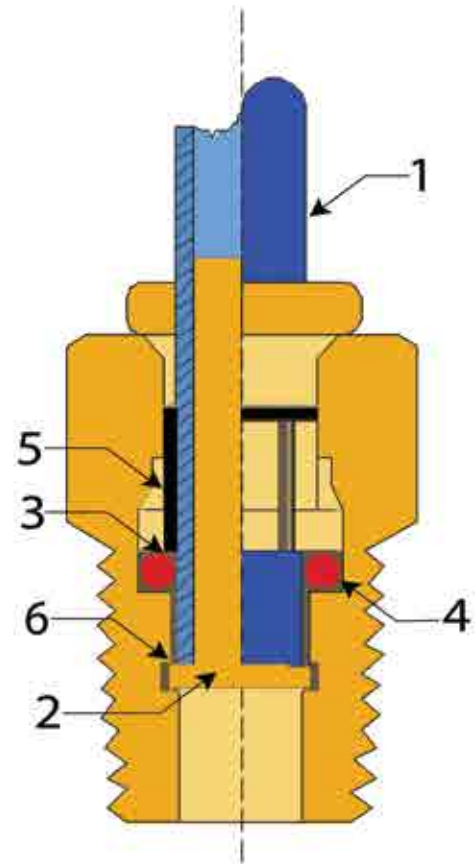
Alkon AQ-DOT push-in fittings are designed for easy use and fast installation.



To connect tube:
Cut the plastic tubing as squarely as possible. Insert the tube into the fitting until you feel the friction as the tube slides past the O-ring. (Using a slight twisting motion while inserting the tube often helps.) Once you feel this friction, continue to push the tube inward until it bottoms firmly against the internal tube stop.



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

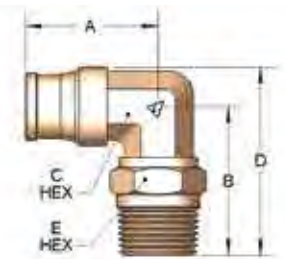


When tubing (1) is inserted into the fitting, the inside diameter passes over the brass tube support (2). This, combined with the action of the gripper, insures that the air brake hose assembly will safely exceed the tensile requirements of FMVSS-106. The tubing then passes through the gripping teeth (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.

Series AQ-DOT Brass Push-In Fittings

AQ69-DOTS SWIVEL MALE ELBOW

Part Number	Tube O.D.	Pipe	A	B	C	D	E
AQ69-DOTS-5/32X2	5/32	1/8	0.79	0.88	3/8	1.10	7/16
AQ69-DOTS-5/32X4 *	5/32	1/4	0.79	1.08	3/8	1.29	9/16
AQ69-DOTS-4X2	1/4	1/8	0.94	0.90	3/8	1.13	7/16
AQ69-DOTS-4X4	1/4	1/4	0.99	1.09	3/8	1.33	9/16
AQ69-DOTS-4X6	1/4	3/8	1.02	1.13	3/8	1.37	11/16
AQ69-DOTS-6X2	3/8	1/8	1.05	1.06	1/2	1.39	7/16
AQ69-DOTS-6X4	3/8	1/4	1.08	1.14	1/2	1.46	9/16
AQ69-DOTS-6X6	3/8	3/8	1.10	1.23	1/2	1.55	11/16
AQ69-DOTS-6X8	3/8	1/2	1.10	1.53	1/2	1.85	7/8
AQ69-DOTS-8X4	1/2	1/4	1.26	1.26	5/8	1.65	9/16
AQ69-DOTS-8X6	1/2	3/8	1.26	1.31	5/8	1.70	11/16
AQ69-DOTS-8X8	1/2	1/2	1.25	1.61	5/8	2.00	7/8
AQ69-DOTS-10X6	5/8	3/8	1.54	1.41	11/16	1.86	11/16
AQ69-DOTS-10X8	5/8	1/2	1.54	1.71	11/16	2.16	7/8
AQ69-DOTS-12X8	3/4	1/2	1.40	2.04	15/16	2.46	1-1/16
AQ69-DOTS-12X12	3/4	3/4	1.40	1.60	15/16	2.14	1-1/16



AQ70-DOT FEMALE ELBOW

Part Number	Tube O.D.	Female Pipe	A	B	C	D
AQ70-DOT-4X2	1/4	1/8	1.02	0.83	3/8	1.06
AQ70-DOT-4X4	1/4	1/4	1.13	1.03	1/2	1.31
AQ70-DOT-4X6 *	1/4	3/8	1.27	0.99	5/8	1.35
AQ70-DOT-6X4	3/8	1/4	1.08	0.98	1/2	1.31
AQ70-DOT-6X6	3/8	3/8	1.08	1.05	5/8	1.41
AQ70-DOT-8X8 *	1/2	1/2	1.37	1.31	5/8	1.70

