

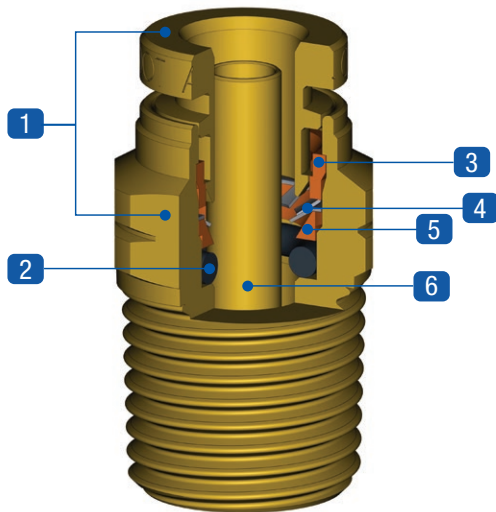
ENDURE™ Push-To-Connect Fittings

General Applications:

- Pneumatic circuits for truck and trailers: air suspension, braking systems, transmissions, locking doors and windows, seat adjustment, instrumentation, air conditioning systems, horn, wiper motors, valves, cylinders and accessories.
- Suitable for all air assisted applications except those designed for use between frame and axle or between towed and towing vehicles.

Construction:

Brass housing with polyethylene holding ring and nitrile (NBR) seals.



- 1** Body and Release – Brass UNI EN 12164 CW614N - UNI EN 12165 CW617N
- 2** Seals – NBR (Low Temperature)
- 3** Holding Ring – Resin (PEI)
- 4** Gripping Collet – Stainless Steel AISI 301
- 5** Protection Ring – Resin (PEI)
- 6** Tube – Tube Support (in)

Recommended Tubing:

Designed to work with Endure™ Air Brake tubing or other tubing that complies with DOT FMVSS 106 and meets the performance requirements of SAE J844.

Max. Pressure: 290 PSI

Vacuum Rating: 29 inHg

Temperature Range:
-58°F (-50°C) to +212°F (+100°C)

Available Fitting Sizes

Tubing Size	NPTF				
	1/8"	1/4"	3/8"	1/2"	3/4"
1/4"	X	X	X		
3/8"	X	X	X	X	
1/2"		X	X	X	
5/8"			X	X	X
3/4"				X	X

Part Numbering System

DOT-BR MC-06 04

Endure™ DOT

Brass

Fitting Style	
MC	Male Connector
FC	Female Connector
ME90	Male Elbow 90°
ME90S	Male Elbow 90° Swivel
ME45S	Male Elbow 45° Swivel
MBTS	Male Branch Tee Swivel
MRTS	Male Run Tee Swivel
UN	Union
BH	Bulk Head Union
UNE90	Union Elbow 90°
UNT	Union Tee

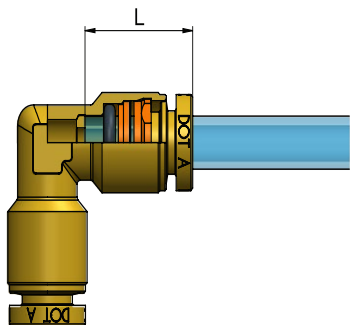
Size: Tube	
04	1/4"
06	3/8"
08	1/2"
10	5/8"
12	3/4"

Size: NPT/Tube	
02	1/8"
04	1/4"
06	3/8"
08	1/2"
10	5/8"
12	3/4"

Because we continually examine ways to improve our products, we reserve the right to alter specifications or discontinue products without prior notice.

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Tubing Insertion Depth



Tube OD	L
1/4"	.642"
3/8"	.720"
1/2"	.775"
5/8"	.917"
3/4"	.988"

Assembly Instructions

1. Cut the tube square (with a hose cutter) making sure that there are no burrs and that the tube is round.
2. Insert the tube into the fitting until it bottoms.

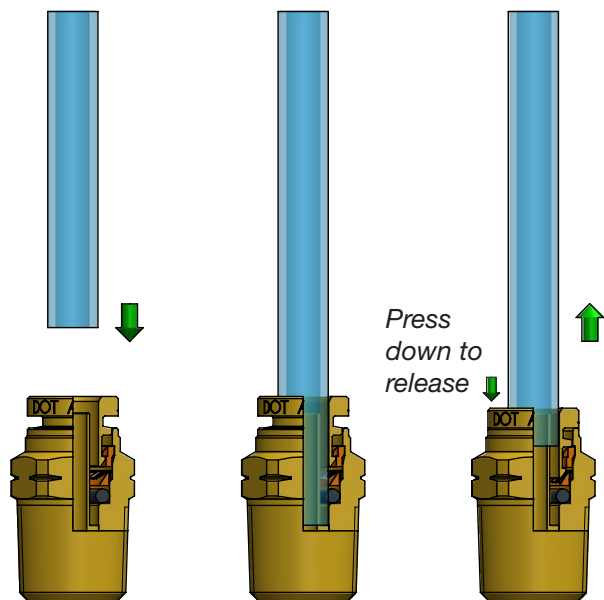
Tube release

While pressing on the release ring, pull the tube from the fitting.

! Once the tubing is connected to the fitting, make sure that the tubing is not pulled or stretched and that the minimum bend radius stated in the tubing section of this catalog is not exceeded.

To prevent accidental tube release, be certain that nothing comes in contact with the release ring. Any load on the release ring may cause an unwanted disconnection.

To tighten NPTF threads, please refer to the following torque chart.



Thread	Norm Reference	Tightening Torque (ft - lb)			
		1/8"	1/4"	3/8"	1/2"
NPTF PTFE coated	ANSI/ASME B1.20.3	2.58	3.32	5.16	8.85

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