



## Quick-Connect Air Brake™ (Q-CAB)

Product Details

### Leave Air Leaks Behind with Q-CAB

Eaton is excited to launch the newly developed 217 series, composite Q-CAB fittings. To reduce vehicle weight, many OEM's are replacing all brass-air connections with a combination brass and composite design. Even though lighter, the Eaton® composite Q-CAB fittings, meet and exceed all of the industry requirements called out in D.O.T. FMVSS 571.106-106, SAE J1131 and SAE J2494-3.

The Q-CAB 217 series is made of glass filled PBT for the very best chemical and UV resistance of any composite air brake fitting in the market today. In addition, Eaton's composite Q-CAB offers the same assured sealing when used with SAE J844 Type A & B nylon tubing as does our popular all brass, 1800 series of DOT Brass quick-connect fittings. The 217 series fittings are also qualified with the unique Synflex® Eclipse™ multi-layer air brake tubing – the toughest and most innovative air brake tubing in the industry.



#### Features

Composite body with exceptional strength for impact resistance.

Brass tube support for full air flow.

All threads meet SAE J476. Eaton's molded wrench flat design makes for quick and easy assembly.

The same excellent quality collet used on the 1800 series connectors, is used on Eaton's 217 series composite Q-CAB.

#### Benefits

Exceeds cold impact test requirements and has been field tested to the extremes, from the Artic to the desert.

Tube stays in place and allows ease of tube connection with low insertion force.

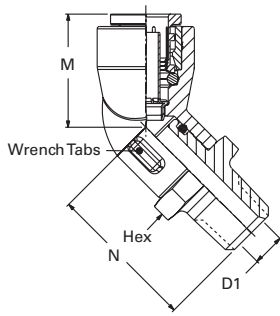
The Eaton composite design allows positioning of the fitting after assembly.

Eaton customers trust the experience of the industry leader in air brake hose and connectors.

#### Applications

Medium and heavy duty truck, bus and mobile off-highway, air brake systems.

## 45° Q-CAB Connection to Male Pipe

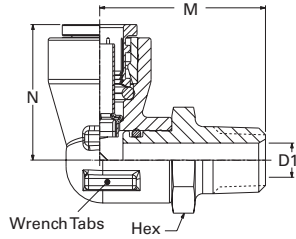


### Special Fittings

Fitting sizes and configurations other than shown above, can be furnished. Please contact your Eaton Area Sales Manager for assistance.

TUBE O.D.	THREAD SIZE	45° MALE PIPE PART #	D1	M	N	HEX
1/4	1/8-27	217-35004-03	0.19	0.78	1.12	9/16
1/4	1/4-18	217-38404-03	0.28	0.78	1.30	9/16
1/4	3/8-18	217-38406-03	0.41	0.78	1.30	11/16
3/8	1/8-27	217-38206-03	0.19	1.00	1.11	3/4
3/8	1/4-18	217-35006-03	0.28	1.00	1.29	3/4
3/8	3/8-18	217-38606-03	0.41	1.00	1.29	3/4
1/2	1/4-18	217-38408-03	0.28	1.10	1.45	7/8
1/2	3/8-18	217-35008-03	0.41	1.10	1.26	7/8
1/2	1/2-14	217-38808-03	0.53	1.10	1.45	7/8
5/8	3/8-18	217-38610-03	0.41	1.34	1.30	1.0
5/8	1/2-14	217-35010-03	0.53	1.34	1.52	1.0

## 90° Q-CAB Connection to Male Pipe



TUBE O.D.	THREAD SIZE	90° MALE PIPE PART #	D1	M	N	HEX
1/4	1/8-27	217-40004-03	0.19	1.11	0.86	9/16
1/4	1/4-18	217-43404-03	0.28	1.29	0.86	9/16
1/4	3/8-18	217-43604-03	0.41	1.29	0.86	11/16
3/8	1/8-27	217-43206-03	0.19	1.17	1.12	3/4
3/8	1/4-18	217-40006-03	0.28	1.36	1.12	3/4
3/8	3/8-18	217-43606-03	0.41	1.36	1.12	3/4
3/8	1/2-14	217-43806-03	0.53	1.61	1.12	7/8
1/2	1/4-18	217-43408-03	0.28	1.59	1.19	7/8
1/2	3/8-18	217-40008-03	0.41	1.40	1.19	7/8
1/2	1/2-14	217-43808-03	0.53	1.60	1.19	7/8
5/8	3/8-18	217-43610-03	0.41	1.46	1.46	1.0
5/8	1/2-14	217-40010-03	0.53	1.68	1.46	1.0

## Eclipse Composite Air Brake Tubing



- Proven Resistance to Oils, Greases, Fuels, Road Salts, Moisture & Chemicals
- Available in Standard and Custom Colors
- Thermoformable
- UV Stabilized
- Superior Abrasion Resistance

# Part Number	Hose O.D.		Hose I.D.		Nominal Wall Thickness		Min. Burst Pressure*		Min. Bend Radius		Wt. Per 100 Ft.	
	mm	in	mm	in	mm	in	kPa	psi	mm	in	Kg/m	lbs/ft
4245-041	6.35	1/4	4.32	0.170	1.02	0.040	8,300	1,200	25.4	1.0	1.77	1.19
3270-06	9.53	3/8	6.38	0.251	1.57	0.062	9,700	1,400	38.1	1.5	4.20	2.80
3270-08	12.70	1/2	9.55	0.376	1.57	0.062	6,600	950	50.8	2.0	5.80	3.80
3270-10	15.88	5/8	11.20	0.441	2.34	0.092	6,200	900	63.5	2.5	10.40	7.00

### Construction:

- 100% Polyamide Construction
- Polyester Yarn Reinforcement

### Typical Application:

Truck Air Brake and Auxiliary Air Systems, Trailer Air Brake Systems, Air Brake Harness, Formed Tubes, Formed Air Brake Harness Assemblies

### Temp. Range:

-65°F to 200°F (-54°C to 93°C)

This product conforms with the requirements of SAE J844, Type B Standard and DOT FMVSS 106.

\* at 75°F (23.9°C)

Eaton  
Hydraulics Operations USA  
14615 Lone Oak Road  
Eden Prairie, MN 55344  
USA  
Tel: 952-937-9800  
Fax: 952-294-7722  
www.hydraulics.eaton.com

Eaton  
Hydraulics Operations Europe  
Route de la Longeraie 7  
1110 Morges  
Switzerland  
Tel: +41 (0) 21 811 4600  
Fax: +41 (0) 21 811 4601

Eaton  
Hydraulic Operations Asia Pacific  
11th Floor Hong Kong New  
World Tower  
300 Huaihai Zhong Road  
Shanghai 200021  
China  
Tel: 86-21-6387-9988  
Fax: 86-21-6335-3912

Eaton  
Av. De la Montana No. 128  
Parque Industrial Queretaro  
CP 76220, Queretaro, Qro.  
Mexico  
Tel: 52 (442) 195-6110  
Fax: 52 (442) 195-6108

