



Fairview Fittings  
& Manufacturing

1485-BRO January 2016

**FLEX-DOT**

**1485 TUBE Series**

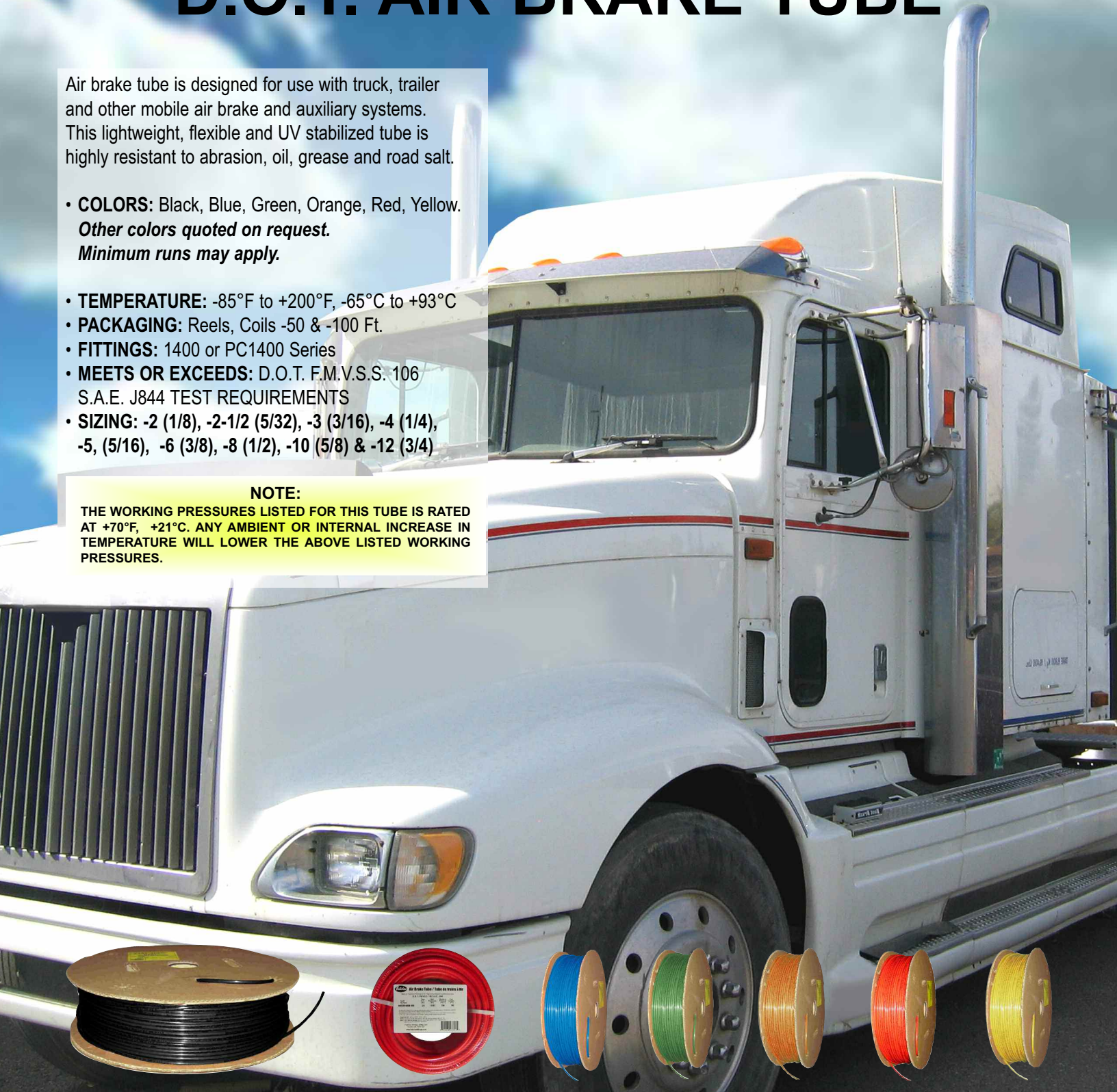
# D.O.T. AIR BRAKE TUBE

Air brake tube is designed for use with truck, trailer and other mobile air brake and auxiliary systems. This lightweight, flexible and UV stabilized tube is highly resistant to abrasion, oil, grease and road salt.

- **COLORS:** Black, Blue, Green, Orange, Red, Yellow.  
*Other colors quoted on request.  
Minimum runs may apply.*
- **TEMPERATURE:** -85°F to +200°F, -65°C to +93°C
- **PACKAGING:** Reels, Coils -50 & -100 Ft.
- **FITTINGS:** 1400 or PC1400 Series
- **MEETS OR EXCEEDS:** D.O.T. F.M.V.S.S. 106  
S.A.E. J844 TEST REQUIREMENTS
- **SIZING:** -2 (1/8), -2-1/2 (5/32), -3 (3/16), -4 (1/4),  
-5, (5/16), -6 (3/8), -8 (1/2), -10 (5/8) & -12 (3/4)

**NOTE:**

THE WORKING PRESSURES LISTED FOR THIS TUBE IS RATED AT +70°F, +21°C. ANY AMBIENT OR INTERNAL INCREASE IN TEMPERATURE WILL LOWER THE ABOVE LISTED WORKING PRESSURES.



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# FLEX-DOT

## 1485 TUBE Series

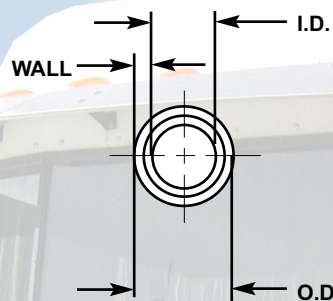
### AIR BRAKE TUBE SPECIFICATION SHEET FLEX-DOT SERIES 1485 AIR BRAKE TUBE

#### Compliance

All series 1485 tube are designed in compliance with the revised DOT 106 standard which took effect December 24th, 2007.

Fairview's FLEX-DOT air brake tube is dimensionally identical to the previous air brake tube described in SAE J844 Type A and Type B, and is compatible with the same fittings. Both compression and push-to-connect fittings can be used with FLEX-DOT tube in all applications other than truck to trailer connections, in which push-to-connect fittings are not suitable.

#### Dimensions



Part No.	Nominal Hose Size (OD)	Minimum Tube Outside Diameter	Maximum Tube Diameter	Inside Diameter	Wall Thickness
1485-2	1/8"	0.122"	0.128"	0.079"	0.023" +/-0.003"
1485-2-1/2	5/32"	0.153"	0.159"	0.092"	0.032" +/-0.003"
1485-3	3/16"	0.184"	0.190"	0.117"	0.035" +/-0.003"
1485-4	1/4"	0.247"	0.253"	0.170"	0.040" +/-0.003"
1485-5	5/16"	0.306"	0.318"	0.232"	0.040" +/-0.003"
1485-6	3/8"	0.371"	0.379"	0.251"	0.062" +/-0.004"
1485-8	1/2"	0.495"	0.505"	0.376"	0.062" +/-0.004"
1485-10	5/8"	0.620"	0.630"	0.441"	0.092" +/-0.005"
1485-12	3/4"	0.745"	0.755"	0.566"	0.092" +/-0.005"

#### Colors

A variety of uv stabilized colors are available for coding purposes. The color is reflected in the part number as shown below:

Part Number	Color	Part Number	Color
1485-*	Black	1485-*GRN	Green
1485-*RED	Red	1485-*ORA	Orange
1485-*BLU	Blue	1485-*YEL	Yellow





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## AIR BRAKE TUBE SPECIFICATION SHEET FLEX-DOT SERIES 1485 AIR BRAKE TUBE

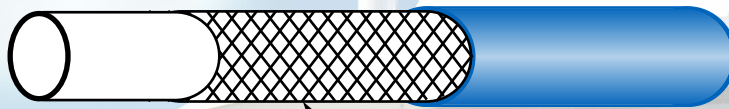
### Layline Example

FLEX-DOT 1485-8 AIR BRAKE [MEETS OR EXCEEDS THE TEST REQUIREMENTS OF J844 TYPE B] MADE IN CANADA date time  
DOT KC <02/08> 1/2" O.D. A DOT KC <02/08> 1/2" O.D. A

### Materials

**\*NOTE:**

Nominal sizes 5/16" and smaller are  
**TYPE 3A NON-REINFORCED**



Polyester Yarn **TYPE 3B (REINFORCED)**

Both the core tube and jacket are comprised of a custom formulated elastomer, offering exceptional heat aging, oil resistance, and low temperature flexibility, when compared to previous nylon materials. With its improved flexibility at all temperatures, the FLEX-DOT tube is easier to install in tight quarters. The special compound was custom formulated for this application and offers exceptional flexibility even at very low temperatures. Unlike traditional all-nylon tube, the FLEX-DOT elastomer hose can still be flexed at -65C (-85F).

Note that this product should not be installed in any area in which it might become exposed to battery acid.

### Mechanical Properties

Tube Outside Dia.	Minimum Burst Press. at 20C(psi)	Supported Bend Radius (inches)	Unsupported Bend Radius (inches)	Tensile Load for Assemblies (lbs)*
1/8"	1000	0.37	0.37	35
5/32"	1200	0.50	0.50	40
3/16"	1200	0.75	0.75	50
1/4"	1200	1.00	1.00	50
5/16"	1000	1.25	1.50	75
3/8"	1400	1.50	1.50	150
1/2"	950	2.00	2.50	200
5/8"	900	2.50	3.00	325
3/4"	800	3.00	3.50	350

Note that for truck to trailer connections, the minimum tensile load is 250 lbs for 3/8" OD and 325 lbs for 1/2" OD hoses. New DOT Requirements.