

ENGINEERING  
TOMORROW

*Danfoss*

Product Details

# Synflex Eclipse Air Brake Tubing **overshadows the competition**



**Synflex**  
by Danfoss



### Applications

- Truck Air Brake Systems
- Trailer Air Brake Systems
- Auxiliary Air Systems
- Formed Tubes
- Formed and Straight Air Brake Harness Assemblies

### Construction

- Distinctive patented construction (Pat. No. 6,670,004)
- 100% polyamide construction with polyester yarn reinforcement UV Stabilized
- Thermoformable
- Available in standard and custom colors
- Available in all standard sizes

### Temperature Range

Synflex® Eclipse™ Air Brake Tubing is designed for a wider operating temperature range than traditional nylon tubing: -65 °F to 200 °F (-54 °C to 93 °C)

### Standard Compliance

Meets SAE J844, J1131, J2494-3, and DOT-FMVSS 106

### Features / Benefits

#### • Superior Abrasion Resistance

Synflex Eclipse significantly outperforms rubber and Nylon11. As a result, Synflex Eclipse tubing has a longer service life in the harshest environments.

#### • Ease of Cutting

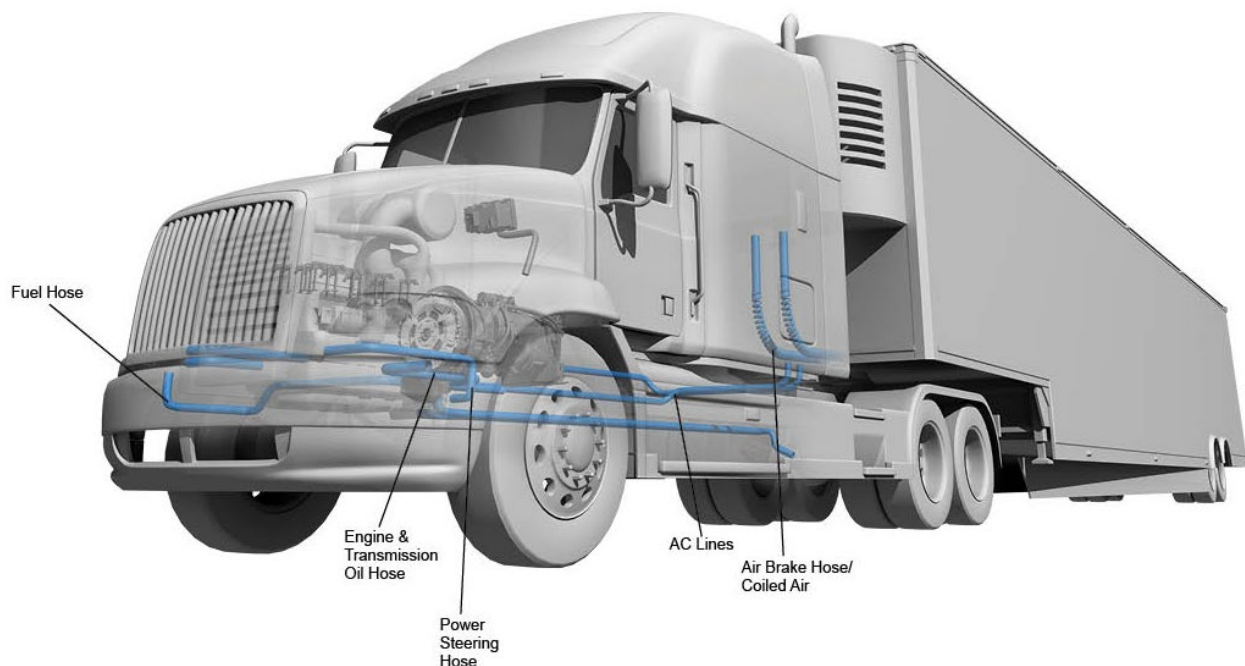
The unique construction of Synflex Eclipse tubing promotes burr free cuts, which yields improved assemblies with either push-to-connect or compression fittings.

#### • Enhanced Flexibility and Extension

Synflex Eclipse tubing has improved flexibility over other nylon tubing. This translates into easier installation and handling at low temperatures.

#### • Flow Performance

With improved flow performance over traditional rubber and nylon, Synflex Eclipse Air Brake Tubing enhances brake timing performance.

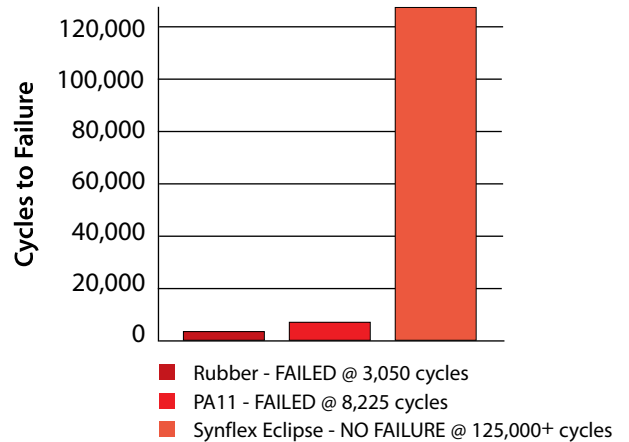


## Synflex Eclipse Air Brake Tubing

Performance Comparison Data

### Abrasion Resistance Test Results -

Synflex Eclipse significantly outperforms rubber and Nylon11



## Product Specifications

Synflex Eclipse Type A Air Brake Tubing

### Synflex Eclipse by Danfoss 4245

| Part Number | Nominal O.D. |      | Nominal I.D. |       | Min. Bend Radius |       | Nominal Wall Thickness |       | Min. Burst Pressure |       | Weight |       |
|-------------|--------------|------|--------------|-------|------------------|-------|------------------------|-------|---------------------|-------|--------|-------|
|             | mm           | in   | mm           | in    | mm               | in    | mm                     | in    | kpa                 | psi   | KG     | LBS   |
|             |              |      |              |       |                  |       |                        |       |                     |       | 100m   | 100ft |
| 4245-022    | 3.18         | 1/8  | 2.01         | 0.079 | 6.35             | 1/4   | 0.58                   | 0.023 | 6,900               | 1,000 | 0.49   | 0.33  |
| 4245-025    | 3.96         | 5/32 | 2.34         | 0.092 | 12.70            | 1/2   | 0.79                   | 0.031 | 8,300               | 1,200 | 0.83   | 0.56  |
| 4245-033    | 4.77         | 3/16 | 2.97         | 0.117 | 19.05            | 3/4   | 0.89                   | 0.035 | 8,300               | 1,200 | 1.06   | 0.71  |
| 4245-041    | 6.35         | 1/4  | 4.32         | 0.170 | 25.40            | 1     | 1.02                   | 0.040 | 8,300               | 1,200 | 1.77   | 1.19  |
| 4245-052    | 7.95         | 5/16 | 5.89         | 0.232 | 28.58            | 1-1/8 | 1.02                   | 0.040 | 6,900               | 1,000 | 2.29   | 1.54  |

Synflex Eclipse Type B Air Brake Tubing

### Synflex Eclipse by Danfoss 3270

| Part Number | Nominal O.D. |     | Nominal I.D. |       | Min. Bend Radius |     | Nominal Wall Thickness |       | Min. Burst Pressure |       | Weight |       |
|-------------|--------------|-----|--------------|-------|------------------|-----|------------------------|-------|---------------------|-------|--------|-------|
|             | mm           | in  | mm           | in    | mm               | in  | mm                     | in    | kpa                 | psi   | KG     | LBS   |
|             |              |     |              |       |                  |     |                        |       |                     |       | 100m   | 100ft |
| 3270-06     | 9.53         | 3/8 | 6.38         | 0.251 | 38.10            | 1.5 | 1.57                   | 0.062 | 9,700               | 1,400 | 4.20   | 2.80  |
| 3270-08     | 12.70        | 1/2 | 9.55         | 0.376 | 50.80            | 2.0 | 1.57                   | 0.062 | 6,600               | 950   | 5.80   | 3.80  |
| 3270-10     | 15.88        | 5/8 | 11.20        | 0.441 | 63.50            | 2.5 | 2.34                   | 0.092 | 6,200               | 900   | 10.40  | 7.00  |
| 3270-12     | 19.05        | 3/4 | 14.38        | 0.566 | 76.20            | 3.0 | 2.34                   | 0.092 | 5,500               | 800   | 12.80  | 8.60  |



# Synflex Eclipse

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