Synflex® Eclipse Coil Air Products
Product Details

Synflex Eclipse Coil Air Products Overshadows the Competition

Applications

- Articulating connections for air brake line systems (connections between towed and towing motor vehicle).
- Tractor-to-trailer air connections used in extremly low temperatures.

Construction

- Utilizes Synflex® Eclipse™ Air Brake Tubing patented construction (Pat. No. 6,670,004)
- 100% polyamid construction with polyester yarn reinforcement
- Brass end fittings with corrosion resistant spring guards

Product Offering

In order to best fit your needs, Synflex Eclipse Coil Air Products are offered in different configuration:

- Synflex Eclipse Standard Coils – direct replacement for standard coils
- Synflex Eclipse Fifth Wheel Slider Coils – for fifth wheel connections and air seat blow gun coils

Temperature Range

Synflex Eclipse Coil Air Products stay flexible in a wide temperature range: -65°F to 200°F (-54°C to 93°C).

Standard Compliance

Meets SAE J844, Type 3B and DOT-FMVSS 106 (49 CFR 571.106).

Features / Benefits

- **Lower Cost**

  Synflex Eclipse Coil Air assemblies are priced below traditional nylon coil products, offering immediate cost reduction to the customer.

- **Superior Abrasion Resistance**

  Abrasion tests show that Synflex Eclipse significantly outperforms rubber and Nylon11. As a result, Synflex Eclipse Coils have a longer life in the harshest environments.

- **Excellent Return and Coil Memory**

  Fast recovery from extension reduces tangling on low cab mountings.

- **Enhanced Flexibility and Extension**

  Synflex Eclipse Coils have improved flexibility over traditional nylon coils and require less force to extend. This translates into easier installation and less strain on end connectors – especially at low temperatures.

- **Flow Performance**

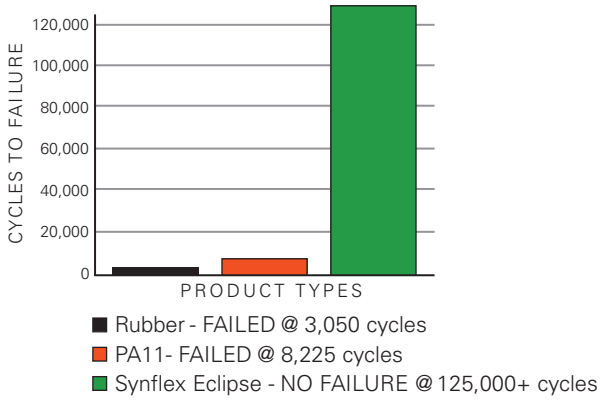
  The improved flow performance of Synflex Eclipse Coils over traditional nylon and rubber tractor to trailer connections enhances brake timing performance.

Synflex Eclipse Coil Air Products

Performance Comparison Data

Abrasion Resistance Test Results – Synflex Eclipse significantly outperforms rubber and Nylon11

Rubber Synflex Eclipse Nylon11



Product Specifications

Synflex Eclipse Standard Coils

# Part Number		Valve Pigtail Length		Male Ends Valve		Male Ends Gladhand		Working Length	
		mm	in	mm	in	mm	in	m	ft
15CA12-12	15' WL abt coil set w/12" pigtails	304.80	12	12.70	1/2	12.70	1/2	4.57	15
15CA48-12	15' WL abt coil set w/48" pigtails	1,219.20	48	12.70	1/2	12.70	1/2	4.57	15
15CAR12-12	15' WL single, red abt coil w/12" pigtails	304.80	12	12.70	1/2	12.70	1/2	4.57	15
15CAB12-12	15' WL single, blue abt coil w/12" pigtails	304.80	12	12.70	1/2	12.70	1/2	4.57	15
15CAR48-12	15' WL single, red abt coil w/48" pigtails	1,219.20	48	12.70	1/2	12.70	1/2	4.57	15
15CAB48-12	15' WL single, blue abt coil w/48" pigtails	1,219.20	48	12.70	1/2	12.70	1/2	4.57	15
12CA12-12	12' WL abt coils set w/12" pigtails	304.80	12	12.70	1/2	12.70	1/2	3.66	17
12CAR12-12	12' WL single, red abt coil w/12" pigtails	304.80	12	12.70	1/2	12.70	1/2	3.66	17
12CAB12-12	12' WL single, blue abt coil w/12" pigtails	304.80	12	12.70	1/2	12.70	1/2	3.66	17
20CA12-12	20' WL abt coil set w/ 12" pigtails	304.80	12	12.70	1/2	12.70	1/2	6.10	20

Synflex Eclipse Fifth Wheel Slider Coils

# Part Number	Valve Pigtail Length		End Fitting	Working Length		Retracted Length	
	mm	in		mm	in	mm	in
3SCE-0303304-033	88.90	3.5	None	1371.60	54	254.00	10
3SCE-0303304-166	88.90	3.5	1/4" male pipe	1371.60	54	254.00	10

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Printed in USA
Document No. E-PNOV-MS001-E1
Superceded E-PNOV-MS001-E
January 2009