



EATON

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 extremely low temperatures.

Construction

- Utilizes Synflex® Eclipse™ Air Brake Tubing patented construction (Pat. No. 6,670,004)
- 100% polyamide 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 three different series:

- Synflex Eclipse Standard Coils – direct replacement for standard nylon 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 FR571.106).

Features / Benefits

- **Lower Cost**
Synflex Eclipse Coil Air assemblies are priced below traditional nylon coil products, offering immediate cost reduction to the customer.
- **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.
- **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.
- **Flow Performance**
The improved flow performance of Synflex Eclipse Coils over traditional nylon and rubber tractor to trailer connections enhances brake timing performance.
- **Excellent Return and Coil Memory**
Fast recovery from extension reduces tangling on low cab mountings.



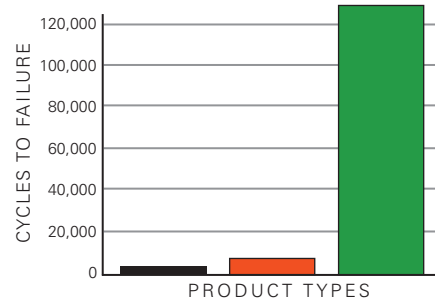
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Performance Comparison Data

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



Rubber Synflex Eclipse Nylon11



- Rubber - FAILED @ 3,050 cycles
- PA11- FAILED @ 8,225 cycles
- Synflex Eclipse - NO FAILURE @ 125,000+ cycles

Product Specifications

Synflex Eclipse Standard Coils

# PART NUMBER	VALVE PIGTAIL LENGTH		MALE ENDS				WORKING LENGTH	
			VALVE		GLADHAND			
	mm	in	mm	in	mm	in	m	ft
15CA12-12	304.80	12"	12.70	1/2"	12.70	1/2"	4.572	15
15CA48-12	1,219.20	48"	12.70	1/2"	12.70	1/2"	4.572	15

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	16,459.20	648"	254.00
3SCE-0303304-166	88.90	3.5"	1/4" male pipe	16,459.20	648"	254.00	10"

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