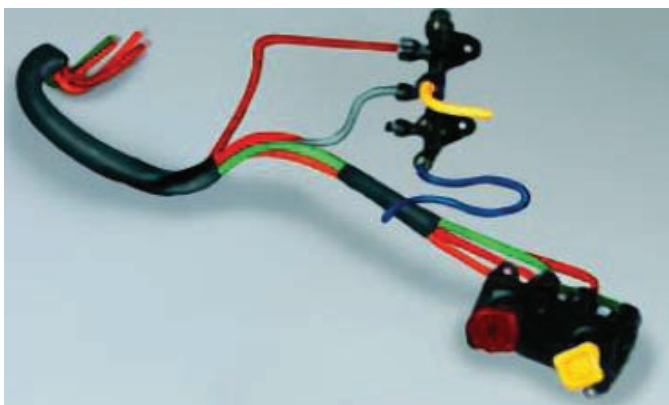




## Synflex Eclipse Harness

Product Details



### Synflex Eclipse Harness Overshadows the Competition

#### Applications

- Assembly-Line Operations
- Truck Air Brake and Auxilliary Air Systems
- Trailer Air Brake Systems
- Custom Designed Air Brake Dash and Chassis Assemblies

#### Construction

- Utilizes Synflex® Eclipse™ Air Brake Tubing patented construction (Pat. No. 6,670,004)
- Pre-cut Synflex Eclipse Air Brake Tubing (100% polyamide construction with polyester yarn reinforcement)
- Various lengths, sizes and colors in a single assembly
- Formed or straight tubing
- End coded and depth marked for easy assembly

#### Environment

- Formed Synflex Eclipse harnesses can be installed and used in the harshest environments (road salts, oils, greases, moisture, fuels and most chemicals), providing improved resistance over rubber and traditional nylon, resulting in a longer service life.
- Synflex Eclipse Air Brake Harnesses can be utilized where temperatures range between -65°F to 200°F (-54°C to 93°C).

#### Features / Benefits

##### Cost Savings

- Scrap and waste elimination
- Reduced vehicle weight
- Elimination of sub-assembly areas
- Less need for fittings
- Work-in-process reduction
- Less bulk tubing inventory

##### Improved Quality

- Minimizes assembly variation between vehicles
- Reduces assembly errors
- Reduces air leaks
- Improves flow

##### Reduced Labor

- Improves consistency in assembly
- Faster assembly time
- Fewer clamp and tie requirements
- Easier routing in tight areas
- Improves serviceability
- Integrated componentry



# Synflex Eclipse Harnesses

## Typical Cost Savings\*

### Production Cost Savings

Assembly and installation time/labor saved per truck (hours)	0.36 hours
X Cost per production/labor hour	\$62.50/hour
= Production cost savings per truck	<b>\$22.50</b>

### Material Savings

Bulk tubing per truck	\$14.62
Tie straps per truck (3 straps x \$0.05 per strap)	\$ 0.15
Protective sleeve per truck (1 sleeve x \$0.30 per sleeve)	\$ 0.30
Scrap eliminated per truck	\$ 0.23
Total material savings	<b>\$15.30</b>

### Total Savings Per Truck

Production cost savings + material savings (\$22.50 + \$15.30)	\$37.80
Less cost of harness	\$25.87
Savings per truck	<b>\$11.93</b>

### Total Annual Savings

Per truck savings X 10,000 trucks per year (\$11.93 x 10,000)	<b>\$119,300</b>
---	------------------

\* All costs and savings presented in this model are for a typical application in the US market. They will vary by market (country) and application/harness complexity.

#### Eaton

Hydraulics Operations USA  
115 Lena Dr.  
Aurora, OH 44202  
USA  
Tel: 330-562-9111 / 800-837-1467  
Fax: 330-274-0473

#### 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](http://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

