Transportation

Air Brake Tubing
Diesel Fuel Tubing
High Temperature Fuel Tubing
Truck Coils
Cut Tubes
Formed Tubes
Jacketed Bundles
Air Brake Harnesses
SCR Hose
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For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

For online ordering, visit www.airlinehyd.com

800-999-7378
# 1120 Nylon Air Brake Tubing

## Features
- 100% Pressure Tested
- Excellent UV Stability
- Abrasion Resistant
- Kink Resistant

## Certifications
- Meets SAE Specification J844
- Meets DOT FMVSS 49CFR 571.106

## Applications/Markets
- Air brake lines

## Construction
Material:
- Type A - Single-wall extruded Nylon (polyamide)
- Type B - Nylon (polyamide) core, fiber reinforcement, Nylon (polyamide) cover/sheath

## Operating Parameters
- Temperature Range: -40°F to +200°F (-40°C to +93°C)
- Working Pressure: 150 psi (10.3 bar)

## Fittings
Parker Fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 692-6555
(269) 694-4614 FAX

FSC Product Families:
- NTA
- PMT
- PTC

## Colors

### Color Code
- BLK Black
- BLU Blue
- BRN Brown
- GRN Green
- ORG Orange
- PUR Purple
- RED Red
- SIL Silver
- TAN Tan
- YEL Yellow
- WHT White

## Table

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Tube O.D.</th>
<th>Outside Diameter</th>
<th>Inside Diameter</th>
<th>Nominal Wall Thickness</th>
<th>Burst Pressure</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
<th>Standard Reel</th>
<th>Standard Pallet</th>
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<tr>
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<td>inch mm</td>
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<td>psi bar</td>
<td>inch mm</td>
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<td>0.6 1000</td>
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<td>4.3 0.040</td>
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<td>82.7 1.000</td>
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<td>2.3 900</td>
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<td>76 3.000</td>
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XXX represents color code.

For detailed ordering information, please consult price list or contact Parflex® Division.
Parflex Diesel Fuel Tubing

Features
- Nylon tubing designed for use in tractor, trailer and other mobile fuel systems
- Heat and light stabilized
- 100% quality controlled – 100% pressure tested
- Saves weight and labor in comparison with hose and hard-line tubing

Approvals
- Compatible with JP-5 (MIL-DTL-5624) and JP-8 (MIL-DTL-83133)
- Compatible with Biodiesel per Parflex PPB PL-18 hard-line tubing

Applications/Markets
- D.O.T. diesel fuel applications

Construction
Heat and light stabilized seamless extruded nylon core reinforced with fibrous reinforcement and bonded with a protective blue nylon cover sheath

Operating Parameters
Temperature Range:
-40°F to +200°F (-40°C to +93°C)
Maximum Working Pressure: 150 psi (10.3 bar)
Do not exceed temperature and pressure ranges

Color
BLU
Blue is standard
Consult division for additional colors

Fittings
Parker Fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 692-6555
(269) 694-4614 FAX

FSC Product Families:
- NTA
- DF (Diesel Fuel Only)

Notes
Contact Parflex Division for application review

<table>
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<tr>
<th>Part Number</th>
<th>Nominal Tube O.D.</th>
<th>Nominal Tube I.D.</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
<th>Standard Reel</th>
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<tr>
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<td>inch</td>
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<td>inch</td>
<td>mm</td>
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XXX represents color code.

Parflex Diesel Fuel Tubing

For detailed ordering information, please consult price list or contact Parflex® Division.

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D-5
**HTFL Diesel Fuel Line Tubing (High-Temperature)**

**Features**
- Heat and UV stabilized
- For use in high temperature applications
- 100% Pressure Tested
- Lightweight
- Pre-formed tubes available

**Applications/Markets**

**Construction**
Tube: High-temperature and chemical-resistant special polyamide
Reinforcement: High-strength yarn fiber
Cover: High-temperature and UV-resistant special polyamide

**Operating Parameters**
Temperature Range:
- -50˚F to +266˚F (-46˚C to +130˚C)
Vacuum Rating: 28 inch Hg

**Fittings**
Parker Fittings available from:
Fluid System Connectors Division
Otsego, MI
(269) 692-6555
(269) 694-4614 FAX

FSC Product Families:
NTA

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Nominal Tube O.D.</th>
<th>Nominal Tube I.D.</th>
<th>Nominal Wall Thickness</th>
<th>Working Pressure</th>
<th>Minimum Burst at 70˚F /21˚C</th>
<th>Minimum Bend Radius</th>
<th>Weight</th>
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<td>1.6</td>
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<td>.039</td>
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**Color**
- BRN
Brown is standard
Consult division for additional colors

**Notes**
Compatible with JP-5 (MIL-DTL-5624) and
JP-8 (MIL-DTL-83133)
Compatible with Biodiesel per Parflex PPB PL-18

**For detailed ordering information, please consult price list or contact Parflex® Division.**

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SHOP ONLINE at www.airlinehyd.com

800-999-7378
BRAKCOIL®

Features
- Tractor-to-trailer coiled nylon air-brake connections
- Maintenance-free performance - designed for trouble-free service on your rig
- Years of city delivery and line haul testing
- Heavy-duty plated spring guards are rust-resistant for added protection
- More coils offer you maximum working lengths
- No need for pogo sticks or spring hangers
- Color coding gives you mistake-free hook-ups – blue for service, red for emergency

Certifications
- Meets or exceeds SAE J844 and D.O.T. FMVSS 106 Specifications at -70°F to +200°F

Applications/Markets
- Tractor to Trailer

<table>
<thead>
<tr>
<th>Kit</th>
<th>Individual Coil Part Number</th>
<th>Tube O.D.</th>
<th>Valve Tail Length</th>
<th>Brass Male Ends (NPT)</th>
<th>Working Length</th>
<th>Number of Coils</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>inch mm</td>
<td>inch mm</td>
<td>inch mm</td>
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<td>731515-Red 731515-Blue</td>
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<td>731611-Red 731611-Blue</td>
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<td>13</td>
<td>6</td>
<td>152</td>
<td>3/8</td>
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Order Information
BRAKCOIL® kits are supplied complete – Parker pre-assembled, with everything needed, including spring guards and male pipe NTA brass fittings, ready to install. Special pipe thread sealant is factory applied. No cutting or assembly necessary. Just attach the gladhands (sold separately or pre-assembled). They are available in kits or as separate lines. A kit consists of both a red and blue tube assembly.

Construction
Tube: Coiled Nylon Air Brake Tubing

Operating Parameters
Temperature Range: -70°F to +200°F (-57°C to +93°C)

Options
Extended BRAKCOIL handle available, part no. 771164

Gladhands available
- Blue – Part # GH9211
- Red – Part # GH9212

For detailed ordering information, please consult price list or contact Parflex® Division.
Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd
Duo-Coil™ Features

Features
- Duo-Coil combines both tractor-to-trailer lines (service and emergency) into a strong single unit
- Designed for quick hook-up and trouble-free service on your rig
- Reverse winding of the coiled air brake lines eliminates the possibility of tangling
- Installation swivel fittings make hook-up a snap
- The inner red emergency coil is wound inside the blue service coil offering added protection to the driver
- The single unit provides clean and neat installation

Certifications
- Meets or exceeds SAE J844 and D.O.T. FMVSS 106 Specifications at -70°F to +200°F

Applications/Markets
- Tractor to Trailer

<table>
<thead>
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Construction
Tube: Coiled Nylon Air Brake Tubing

Operating Parameters
Temperature Range: -70°F to +200°F (-57°C to +93°C)

Options
Extended BRAKCOIL handle available, part no. 771164

Gladhands available
- Blue – Part # GH9211
- Red – Part # GH9212

Order Information
Duo-Coil™ kits are supplied complete – Parker pre-assembled, with everything needed, including spring guards and pipe end NTA fittings, ready to install. Special pipe thread sealant is factory applied. No cutting or fitting assembly is necessary. Just attach the gladhands (sold separately or pre-assembled).

D-8

For detailed ordering information, please consult price list or contact Parflex® Division.
DollyCoil™

Features
- No need to install springs or hangers
- Will retract to its original shape even after long periods of extended use

Certifications
- Meets or exceeds SAE J844 and D.O.T. FMVSS 106 Specifications at -70°F to +200°F

Applications/Markets
- Multiple Trailers
- Converter Dollies

Order Information
DollyCoil™ kits are supplied complete – Parker pre-assembled, with everything needed, including spring guards and male pipe end NTA fittings, ready to install. Special pipe thread sealant is factory applied. No cutting or assembly necessary. Just attach the gladhands (sold separately or pre-assembled). They are available in kits or as separate lines. A kit consists of both a red and blue tube assembly.

Construction
Tube: Coiled Nylon Air Brake Tubing

Operating Parameters
Temperature Range:
-70°F to +200°F (-57°C to +93°C)

Options
Extended BRAKCOIL handle available, part no. 771164
Gladhands available
- Blue – Part # GH9211
- Red – Part # GH9212

<table>
<thead>
<tr>
<th>Kit Coil Number</th>
<th>Tube O.D.</th>
<th>Valve Tail Length</th>
<th>Brass Male Ends (NPT)</th>
<th>Standard Working Length</th>
<th>Number of Coils</th>
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<td>751634</td>
<td>-8</td>
<td>1/2</td>
<td>1/2</td>
<td>6 feet</td>
<td>12 meter</td>
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For detailed ordering information, please consult price list or contact Parflex® Division.
SliderCoil™

Features
- Used between an adjustable rear trailer axle and the final point on a trailer chassis
- No need to install springs or hangers
- Will retract to its original shape even after long periods of extended use

Certifications
- Meets or exceeds SAE J844 and D.O.T. FMVSS 106 Specifications at -70°F to +200°F

Applications/Markets
- Tractor Trailers (Sliding)
- Tractor Trailers (Axles)

<table>
<thead>
<tr>
<th>Kit Coil Number</th>
<th>Individual Coil Part Number</th>
<th>Tube O.D.</th>
<th>Valve Tail Length</th>
<th>Brass Male Ends (NPT)</th>
<th>Working Length</th>
<th>Number of Coils</th>
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<td>mm</td>
<td>inch</td>
<td>mm</td>
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<td>8</td>
<td>13</td>
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Order Information
SliderCoil™ kits are supplied complete – Parker pre-assembled, with everything needed, including spring guards and male pipe end NTA fittings, ready to install. Special pipe thread sealant is factory applied. No cutting or assembly necessary. They are available in kits or as separate lines. A kit consists of both a red and blue coil assemblies.

Construction
Tube: Coiled Nylon Air Brake Tubing

Operating Parameters
Temperature Range: -70°F to +200°F (-57°C to +93°C)

Color
- Blue
- Red

Options
Extended BRAKCOIL handle available, part no. 771164

For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

SHOP ONLINE at www.airlinehyd.com

800-999-7378
Fifth Wheel Slider Coil

Features

- Clutter-free hook-up and maintenance-free performance of adjustable length pneumatic tubing for fifth wheel sliding action
- Self-adjusts from 10” to fully extended 74” working length
- Universal, ready for immediate installation
- No maintenance required - stays on the job at peak performance through years of trouble-free life
- Coil set is strong and permanent - Even after prolonged use in fully extended position, coils will retract to shorter length without sagging and eliminating hazards of chafing and wear

Certifications

- Conforms to SAE Specification J844 Type A
- Meets D.O.T. FMVSS 106

Applications/Markets

- Double Trailers
- Covert, Dollies

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<tr>
<th>Part Number</th>
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<th>Pigtail Length</th>
<th>Max. Extended Length</th>
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<td>10 254</td>
</tr>
</tbody>
</table>

Order Information

Fifth Wheel Slider Coil part# 811537 comes complete with fittings. Part# 811537-NF-BLK does not include fittings.

Construction

Tube: 1/4” O.D. extruded Nylon, heat and light stabilized, single wall

Operating Parameters

Temperature Range: -40°F to +200°F (-40°C to +93°C)

Color

- SIL

Options

Available with or without fittings

For detailed ordering information, please consult price list or contact Parflex® Division.
Custom Harness, Bundles & Tubing

Order Information
Several different harnesses may be required on a single unit depending upon the model of the vehicle, wheel base and options available. To determine your harness application needs:

1. Recognize the cost savings available to you through the use of harnesses. How many dollars will be saved on tubing installation alone? On scrap reduction?
2. Call Parker. Have one of our application engineers study your application.
3. Have Parker engineers design and build a prototype harness for your approval.
4. Approve the prototype as our basis to engineer your production model harness.
5. Implement the harness into your Purchasing and Production systems – one harness, one part number instead of multiple part numbers you once had for each air brake line.

Features
- Preformed, pre-bundled tubing or hose custom designed to reduce installation time and improve throughput
- Your production line will run faster and be virtually free from tubing scrap
- Individual tubes are pre-cut and assembled into a single unit

Certifications
- Designed and engineered to meet the exacting requirements of each bus or truck manufacturer for each vehicle
- The air brake tubing used in a Parflex Harness conforms to SAE J844 type 3A and 3B and also D.O.T. FMVSS 106
- Parflex Division is third party certified for ISO 14001 and TS 16949
- 6mm Nylon, 5.5mm EPDM, and 4mm EPDM are IP6X, IPX8, and IPX9K Certified

Tubing

Construction
Tube: Nylon Air Brake Tubing

Operating Parameters
Temperature Range: -40°F to +200°F (-40°C to +93°C)
Working Pressure: 150 psi (10.3 bar)

Options
Each tube can be color-coded and/or numbered
Each harness may contain any number of tube sizes ranging from 1/8” O.D. to 3/4” O.D.
The harness can be supplied with special clamps, brackets and fittings to meet any need required by the customer

Hose
Contact Parflex Customer Service for custom formed hoses and hose assemblies

Cut Tubes
Any tube offered by Parflex can be cut-to-length, with options for additional marking

Formed Tubes
Tubes can be formed into shapes for ease of installation

Jacketed Bundles
Two or more tubes can be bundled together with an extruded thermoplastic jacket

Straight Harnesses
Combine multiple cut tubes into a harness built specifically for your application

Formed Harnesses
Combine multiple formed tubes to create a repeatable tubing routing solution

Formed Assemblies
Most Parflex thermoplastic hoses can be formed into application specific shapes
SCR Hose Assemblies for Tier IV Compliance

Features
- Consistent thaw - more reliable than coolant heated lines
- Multiple options available to fit every application
- Protective Overmolding
  - Protection against water ingestion and damage of electrical components
  - Bolsters fitting strength and impact resistance
- Corrugated heat shield offers abrasion and heat resistance
- Assembled and designed in USA

Certifications
- Parflex Division is third party certified for ISO 14001 and TS 16949
- 6mm Nylon, 5.5mm EPDM, and 4mm EPDM are IP6X, IPX8, and IPX9K Certified

With Electrically Heated SCR Hose Assemblies from Parker’s Parflex Division, a cleaner exhaust system means a cleaner environment. Designed for heating and conveying DEF (Diesel Exhaust Fluid) throughout the SCR system on commercial vehicles, Parflex hoses are made to handle both on-road and off-road applications while helping you stay Tier IV and EPA ’10 compliant. Combine these hoses with other high value Parflex fluid conveyance products (pilot lines, grease lines, hydraulic hoses, etc.) so your customer can enjoy best-in-class durability and performance.

All Parflex SCR hose assemblies have multiple options that allow customization by the equipment manufacturer and the end user.

SCR hoses are available with several different options. These include, but are not limited to: different electrical connectors, including options for heat and abrasion shield over lead wires; 1/4, 5/16, and 3/8 fittings; wide variety of lengths; 12V or 24V; etc. Parflex also has designs for other sizes and core tubes for SCR hoses. These designs ensure that Parflex hoses can be utilized on SCR systems from multiple suppliers.

Check www.scrhose.com for product updates

For detailed ordering information, please consult price list or contact Parflex® Division.

Parker Hannifin Corporation | Parflex® Division | Ravenna, Ohio | parker.com/pfd

SHOP ONLINE at www.airlinehyd.com 800-999-7378
S0/S1/S2
Suction/Throttle Line Design

Parflex SCR Hose Assembly
Polyamide Suction/Throttle Line
- Thermoplastic core tube with fabric reinforcement
- Extruded thermoplastic jacket
- Optional heat/abrasion shield

<table>
<thead>
<tr>
<th>Base Part Number</th>
<th>Nominal I.D.</th>
<th>O.D.</th>
<th>with Shield (opt)</th>
<th>Max. Oper. Pressure</th>
<th>Min. Burst Pressure</th>
<th>Vacuum Resistance</th>
<th>Bend Radius</th>
<th>Standard Lengths*</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>inch</td>
<td>mm</td>
<td>psi/bar</td>
<td>psi/bar</td>
<td>bar</td>
<td>inch</td>
<td>mtr</td>
</tr>
<tr>
<td>S0</td>
<td>6</td>
<td>.24</td>
<td>14 .55</td>
<td>21 .827</td>
<td>145 / 10</td>
<td>600 / 40</td>
<td>8.9</td>
<td>2 / 1-J-1/2 or 2</td>
</tr>
<tr>
<td>S1</td>
<td>6</td>
<td>.24</td>
<td>14 .55</td>
<td>21 .827</td>
<td>145 / 10</td>
<td>600 / 40</td>
<td>8.9</td>
<td>2 / 1-J-1/2 or 2</td>
</tr>
</tbody>
</table>

Many custom options available, please contact Parflex for details.
S0 - No abrasion guard  S1 - Abrasion guard, hose only  S2 - Abrasion guard on hose and wire

P1/P2
Polyamide Pressure Line Design

Parflex SCR Hose Assembly
Polyamide Pressure Line
- Specialty high temperature polyamide
- core with fabric reinforcement
- Stainless steel heating wire
- Extruded high temperature thermoplastic jacket
- Heat/abrasion shield

<table>
<thead>
<tr>
<th>Base Part Number</th>
<th>I.D</th>
<th>O.D.</th>
<th>with Shield (opt)</th>
<th>Max. Oper. Pressure</th>
<th>Min. Burst Pressure</th>
<th>Bend Radius</th>
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<td>6</td>
<td>.24</td>
<td>13 .51</td>
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<td>145 / 10</td>
<td>600 / 40</td>
<td>2 / 1-J-1/2 or 2</td>
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<tr>
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<td>600 / 40</td>
<td>2 / 1-J-1/2 or 2</td>
</tr>
</tbody>
</table>

Many custom options available, please contact Parflex for details.
P1 - Abrasion guard, hose only  P2 - Abrasion guard on hose and wire

Conversions

Temperature Range:
-40°F to 224°F (-40°C to 120°C)
Spikes to 284°F (140°C)
Available in 12VDC or 24VDC design

Certifications
- TS 16949
- ISO 14001

Operating Parameters
- Temperature Range:
  -40°F to 248°F (-40°C to 120°C)
  Spikes to 284°F (140°C)
- Internal/Fluid Temp:
  140°F (60°C) Max., per Cummins AEB
- Available in 12VDC or 24VDC design

For detailed ordering information, please consult price list or contact Parflex® Division.