Tubing and Accessories

Tubing and accessories

Nylon Inch Tube

Recommended for use with Pneufit Push-In Fittings
Manufactured from Nylon 11
UL-94HB flame retardant rating
Heat and light stabilized
Shipped in 100 ft. coils (30m) packed in polyethylene bags

Specifications
Fluids: Compressed air, nitrogen and inert gases
Material: Nylon 11
Temperature Rating: -60°F to 200°F (-5°C to 93°C)*
Vacuum Rating: To 28” Hg (711 mm Hg)
Diameter Tolerances: ± 0.005”
Hardness: 78 Rockwell R

Polyurethane Tube

Recommended for use with Pneufit Push-In Fittings
Manufactured from Polyurethane
Shipped 100’ coils packed in Polyethylene bags

Specifications
Fluids: Compressed air
Material: 95 Durometer Polyurethane
Temperature Rating: -40°F to 165°F (-40°C to 73°C)
Vacuum Rating: To 28” Hg (711 mm Hg)
Diameter Tolerances: ± 0.005”

Notes
The working pressure for Nylon 11 tubing is calculated using a 4 to 1 safety factor.
* To determine working pressures at other temperatures, see chart. Tubing is supplied in 100 ft. (30.5m) coils, packaged in poly bags. For other colors, lengths or packaging, please consult factory.
### Metric Tubing

Recommended for use with Pneufit Push-In Fittings.
Manufactured from Nylon 12
Resistant to many chemicals
Excellent pressure rating
Black tubing provides reduced ultraviolet degradation
Conforms to BS5409-1:1976 and DIN 73378
Shipped in 25 meter (82 ft.) coils packed in polyethylene bags.

<table>
<thead>
<tr>
<th>OD (mm)</th>
<th>ID (mm)</th>
<th>Maximum Working Pressure</th>
<th>Minimum Bend</th>
<th>Part Number and Color</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>-40°C to 20°C bar</td>
<td>-40°F to 70°F psig</td>
<td>Radius</td>
</tr>
<tr>
<td>4</td>
<td>2.5</td>
<td>28.0</td>
<td>406</td>
<td>25</td>
</tr>
<tr>
<td>5</td>
<td>3.0</td>
<td>31.0</td>
<td>450</td>
<td>25</td>
</tr>
<tr>
<td>6</td>
<td>4.0</td>
<td>25.0</td>
<td>362</td>
<td>30</td>
</tr>
<tr>
<td>8</td>
<td>6.0</td>
<td>19.0</td>
<td>275</td>
<td>50</td>
</tr>
<tr>
<td>10</td>
<td>7.5</td>
<td>24.0</td>
<td>348</td>
<td>60</td>
</tr>
<tr>
<td>12</td>
<td>9.0</td>
<td>18.0</td>
<td>261</td>
<td>75</td>
</tr>
<tr>
<td>14</td>
<td>11.0</td>
<td>15.0</td>
<td>218</td>
<td>80</td>
</tr>
</tbody>
</table>

For other colors, lengths or packaging, please consult factory.

### Specifications

**Fluids:** Compressed air, nitrogen and inert gases
**Material:** Nylon 12
**Maximum continuous working temperature:** 80°C (175°F)

### Tube Cutter

Makes clean, square cuts in Nylon tubing that are necessary for leak free connections.
Small size (3” long, 1” wide, 1” high) makes it easy to use and convenient to carry.
Spring actuation keeps it closed when not in use.
Order part number M/3314.
Replacement blades (5 pack) M/32009

### Tube Mount - 2 Channel

Save installation time - tube mounts provide quick, secure mounting and exact spacing between tubes.
Tubing snaps into channels for clean, organized circuits.
Tube mounts are drilled for machine screw mounting.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Tube Size</th>
<th>Mounting Screw Size</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>94 910 004</td>
<td>5/32” &amp; 4 mm</td>
<td>#4</td>
<td>Black</td>
</tr>
<tr>
<td>94 910 006</td>
<td>1/4” &amp; 6 mm</td>
<td>#4</td>
<td>Black</td>
</tr>
<tr>
<td>94 910 008</td>
<td>5/16” &amp; 8 mm</td>
<td>#6</td>
<td>Black</td>
</tr>
<tr>
<td>94 910 010</td>
<td>3/8”</td>
<td>#6</td>
<td>Black</td>
</tr>
<tr>
<td>94 910 012</td>
<td>1/2”</td>
<td>#10</td>
<td>Black</td>
</tr>
<tr>
<td>94 910 015</td>
<td>5/8”</td>
<td>#10</td>
<td>Black</td>
</tr>
</tbody>
</table>
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Tube Markers

PVC tube markers eliminate confusing fluid power connections by providing easy to read identification.
Permanent, hot stamped black characters on white background are not affected by grease, oil, or lubricating fluids.
Markers snap on without tools before or after tube terminations made. Can be removed without disconnecting tubing.
Non-adhesive interior of marker will not pinch, kink, or mar tubing.

Tube Marker Kits

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Alphanumeric Kit*</td>
<td>94 911 025</td>
<td>94 911 058</td>
<td>94 911 091</td>
<td>94 911 124</td>
</tr>
<tr>
<td>Descriptive Kit**</td>
<td>94 911 033</td>
<td>94 911 066</td>
<td>94 911 099</td>
<td>94 911 132</td>
</tr>
</tbody>
</table>

* Contains 50 each of all numbers (0-9) and letters (A-H, J, P, R, X, Y, and Z)
** Contains 50 each of CYL, PV, LV, IN, OUT, + and -

Tube Mount - 10 Channel

Full 10 channel section (4" long, 5/8" wide and 3/8" high) is easily cut for 1 to 10 channels.
Each channel is countersunk for No. 4 machine screws.
Tubing snaps into channels for clean, organized circuits.
Pressure sensitive Urethane foam adhesive backing for quick mounting (except 3/8" model).
Slotted design allows mounting on curved or angular surfaces. Color of mounts match machine or tubing.
Spiral Flex Wrap

Natural color Polyethylene spiral flex wrap twists easily over bundles of various sized tubing or insulated electric wire.
Nominal 1/2" O.D. accommodates bundles from 3/8" to 4" in diameter.
Can be wrapped for greater flexibility or butted for rigidity.
Tubing or wire can be led out at any point.
Provided in 50' (15 meter) coils.
Order part number 94 960 001.

Release Tool

Used to disconnect tubing from all Norgren fittings. Helps in situations where fitting is difficult to reach.
Part Number: 54 0001 00

Replacement Parts

48 026 101
Replacement thermoplastic sealing washer for use with 10-32 and M5 threads. Sold individually.

48 031 101
Replacement viton bonded sealing washer for use with 10-32 and M5 threads. Sold in package of 10.