"ST" and "XT" - Smooth & Formed Tube Connectors

Technology Overview

The ST Series connectors make reliable, leak tight connections with straight tubes for evacuation or pressure applications such as leak testing, proof testing and processing. The ergonomic sliding sleeve operation makes an instant connection that is further enhanced by pressure and without operator adjustments.

Rugged, heat treated steel components provide excellent resistance to mechanical handling damage but are not recommended for water dunk applications. The mating seal is radially squeezed around the tube upon connection and it is easily replaced without disassembly. The unique collet locking mechanism resists removal under pressure for added safety.

The XT Series connectors provide quick and effortless connections for expanded tubing especially copper, steel, and aluminum tubes that are used with refrigerant based products. These connectors utilize redundant seals on the inside of the tube, which is enhanced by pressure, and a sleeve lock which resists removal under pressure and requires no operator adjustments.

The XT’s are manufactured from hardened steel material with seals that can be quickly replaced, without disassembly, at your work center minimizing downtime, maintenance and tool inventory. Neoprene seals are standard for refrigerant based applications but they are available with any elastomer required for your application.

Features and Benefits

<table>
<thead>
<tr>
<th>“ST Series”</th>
<th>“XT Series”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seals vacuum to 1000 psi, -40°F to +250°F</td>
<td>Seals vacuum to 625 psi, -40°F to +250°F</td>
</tr>
<tr>
<td>Reliable leak tight sealing to 10-7 cc/sec</td>
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</tr>
<tr>
<td>Durable, replaceable seals with no connector disassembly</td>
<td>Works well with tube size variation or rough cut ends</td>
</tr>
<tr>
<td>Heat treated steel body assures long life and protection against mechanical damage</td>
<td>Durable, replaceable seals with no connector disassembly</td>
</tr>
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<td>Positive gripping - No operator adjustments!</td>
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<tr>
<td></td>
<td>Positive gripping - No operator adjustments!</td>
</tr>
</tbody>
</table>

For Smooth / Swaged Tubes

For Formed / Expanded Tubes
**FasTest “ST Series” - Connectors for External Smooth / Swaged Tubes**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Grip Size (+0.015&quot;/-0.010&quot;)</th>
<th>Rated PSI</th>
<th>Dim A</th>
<th>Dim B</th>
<th>Dim C</th>
<th>Insertion Depth</th>
<th>Seal Material</th>
<th>Replacement Collet Sets</th>
<th>Main Seals Package (5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST-04042</td>
<td>0.250&quot;</td>
<td>Vacuum to 1000</td>
<td>1.14&quot;</td>
<td>2.75&quot;</td>
<td>1/4&quot; NPT</td>
<td>0.62&quot;</td>
<td>Neoprene</td>
<td>STC04</td>
<td>STB04</td>
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<tr>
<td>ST-05042</td>
<td>0.312&quot;</td>
<td></td>
<td>1.19&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STC05</td>
<td>STB05</td>
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<tr>
<td>ST-06042</td>
<td>0.375&quot;</td>
<td></td>
<td>1.50&quot;</td>
<td>3.23&quot;</td>
<td></td>
<td>0.75&quot;</td>
<td></td>
<td>STC06</td>
<td>STB06</td>
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</table>

*Note: Not recommended for water dunk applications.*

**FasTest “XT Series” - Connectors for External Formed / Expanded Tubes**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Grip Size (+0.010&quot;)</th>
<th>Rated PSI</th>
<th>Dim A</th>
<th>Dim B</th>
<th>Dim C</th>
<th>Flow Ø</th>
<th>Dim D</th>
<th>Dim X</th>
<th>Dim Y</th>
<th>Dim Z</th>
<th>Seal Material</th>
<th>Repair Kit</th>
<th>Main Seals Package (5)</th>
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<tbody>
<tr>
<td>XT-06042</td>
<td>0.375&quot;</td>
<td>Vacuum to 625</td>
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<td>3.31&quot;</td>
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<td>0.30-1.00&quot;</td>
<td>0.625&quot;</td>
<td>0.368&quot;</td>
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<td>Neoprene</td>
<td>XTR06</td>
<td>XTB06</td>
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<tr>
<td>XT-08042</td>
<td>0.500&quot;</td>
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<td>1.37&quot;</td>
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<td>0.22&quot;</td>
<td>0.491&quot;</td>
<td>0.625&quot;</td>
<td>0.368&quot;</td>
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<td>Neoprene</td>
<td>XTR08</td>
<td>XTB08</td>
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<tr>
<td>XT-10042</td>
<td>0.625&quot;</td>
<td></td>
<td>1.50&quot;</td>
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<td>0.25&quot;</td>
<td>0.616&quot;</td>
<td>0.730&quot;</td>
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<td>XTB10</td>
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<tr>
<td>XT-12042</td>
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<td>0.741&quot;</td>
<td>0.858&quot;</td>
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<tr>
<td>XT-14042</td>
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<td>0.996&quot;</td>
<td>0.741&quot;</td>
<td></td>
<td>Neoprene</td>
<td>XTR14</td>
<td>XTB14</td>
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