V2-XC Quick Connector

A pioneering innovation
For X-treme Conditions
NORMA Group introduces the new V2-XC Quick Connector developed to deal with increasing demands in heavy duty applications (e.g. commercial vehicles, passenger vehicles, agricultural equipment and off-road equipment) and extended lifetime requirements. The more robust locking/unlocking concept makes it a pioneering innovation on the market.

Tighter emission controls call for reduced fuel consumption and improved efficiency. Despite these tough challenges, heavy-duty vehicles are still expected to deliver excellent performance. This means heavier engine loads, which in turn mean increased temperatures and pressures in media-carrying lines. The new V2-XC Quick Connector was made to meet these extreme conditions.

The advantages at a glance

- Fast assembly without tools
- Long lifetime due to robust design
- Resistance to high temperatures
- Compact dimensions
- Integrated seal
- Seals can be visually checked

Technical features

The diameter 27 mm is validated and available in the following configurations:

<table>
<thead>
<tr>
<th>Barb angle</th>
<th>Retainer angle</th>
<th>Temperature</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>Available in 10° increments between 0° and 350°</td>
<td>Standard version -40°C to +150°C</td>
<td>-0.5 ... 5 bar (rel.)</td>
</tr>
<tr>
<td>15°</td>
<td>Standard version -40°C to +150°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45°</td>
<td>Standard version -40°C to +150°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60°</td>
<td>Standard version -40°C to +150°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90°</td>
<td>Standard version -40°C to +150°C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Other diameters available on request
2 Available on request
3 Temperature range depends on sealing material versions
4 Higher requirements (temperature, pressure, …) available on request

Applications

Commercial vehicles, passenger vehicles, agricultural equipment, off-road equipment.

Standard materials

V2-XC Quick Connectors are made from recyclable materials featuring extremely low permeation values. Our standard versions are made from Polyamide 6 with 30% glass fiber content or Polyamide 12 with 20% glass fiber content. The O-rings are made of NBR, HNBR, FPM, EPDM as standard equipment.

Additional material information

- PA6-GF30 (Housing)
- PA66-GF30 (Housing)
- PA12-GF20 (Housing)
- PA66-GF30 (Locking Ring)