RapidX Junction Specifications

<table>
<thead>
<tr>
<th>Casing size, in</th>
<th>7</th>
<th>9 ¾</th>
<th>10 ¼</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing weight, lbm/ft [kg/m]</td>
<td>23–29 [34.22–43.25]</td>
<td>40–53.5 [59.52–79.60]</td>
<td>50.50–60.70 [75.15–90.33]</td>
</tr>
<tr>
<td>Main bore ID, in [mm]</td>
<td>2.635 [66.68]</td>
<td>4.421 [112.29]</td>
<td>5.008 [127.60]</td>
</tr>
<tr>
<td>Lateral ID, in [mm]</td>
<td>2.312 [58.72]</td>
<td>3.958 [100.50]</td>
<td>4.750 [120.65]</td>
</tr>
<tr>
<td>Pressure rating, psi [kPa]</td>
<td>2,500 [17,237]</td>
<td>2,500 [17,237]</td>
<td>950 [6,550]</td>
</tr>
<tr>
<td>Window type</td>
<td>Milled casing exit</td>
<td>Milled casing exit</td>
<td>Milled casing exit</td>
</tr>
<tr>
<td>TAML level</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

The RapidX® TAML 5 high-strength, hydraulic-sealed multilateral junction provides pressure isolation to 2,500 psi [17,237 kPa]. This field-proven, strong, reliable, and robust technology combines simple installation with junction flexibility. The junction features a specially designed seal combined with a continually interlocking rail system to create one of the strongest level 5 junctions in the industry.

This junction provides formation stability at the casing exit and is well suited for unstable and caprock applications.

After a systematic quantitative risk assessment to identify the best location, the RapidX junction can be used for new or reentered wells that have different regimes requiring inflow control.

**APPLICATIONS**
- Wells with TAML 5 specifications
- Wells needing sand, water, and gas control
- Reservoirs with different pressure and flow regimes
- Wells needing increased reservoir drainage
- Infill wells in mature assets with slot constraints
- Layered, compartmentalized, or faulted reservoirs
- New and reentered oil or gas wells, producers, or injectors
- Vertical, deviated, or horizontal wells

**BENEFITS**
- Reduces risks, time, and costs due to operational simplicity

**FEATURES**
- Available in 7-in, 9½-in, and 10¾-in main bore casing sizes
- Continuous locking rail that provides ultrahigh-strength junction
- Fully stackable
- Selective reentry to both laterals with wireline, coiled tubing, or drillpipe
- Internal and external pressure integrity up to 2,500 psi [17,237 kPa] at junction
- Capability of being integrated with flow control valves or pressure gauges or both, if required
- Compatibility with all sandface completions
- No casing orientation requirement
- Flexible junction placement
- Full retrievability
- Premium connections

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