Delta™ Connection by Grant Prideco

A connection that performs at a high level, is easy to use, and has a lower total cost of ownership than other products on the market.

PERFORMANCE

Balanced Thread Form
The thread form and overall geometry of this connection have been designed to achieve optimum performance.

High Strength Tool Joints
Delta is designed to be threaded on 130 ksi Specified Minimum Yield Strength material.

Operational Envelope Comparable to XT™
The Delta connection offers torque comparable to or higher than that provided by the XT connection. This allows for use of streamlined tool joints and improved hydraulic performance.

Better Fatigue Resistance
Through design optimization and balancing of stresses, Delta provides better fatigue resistance than XT connections, which can result in an increased product life.

EASE OF USE

Faster Makeup
Delta has significantly fewer turns from stab to makeup than comparable XT connections. This saves time and reduces the amount of wear on threads.

Deeper Stabbing
Minimizes stabbing damage because the stress on the connection is more evenly distributed.

No Stabbing Guide
Delta does not require the use of stabbing guides, making it easier to handle on the rig.

Tong Gripping
The minimum required gripping distance from the box face has been reduced to improve ease of use on the rig floor.

TOTAL COST OF OWNERSHIP

Reduced Repair Frequency
Repairs are expensive and time consuming. The field inspection tolerances for Delta have been widened without compromising performance, so the pipe does not require repairs as often.

More Refacing
The refacing amount for Delta was increased by 50%. More refaces can take place before a recut of the connection is needed, which results in a longer usable life for the product.

Less Recut Loss
There is less material loss on recuts, which allows for more recuts before needing to replace the string. The tong gripping distance has also been reduced, allowing more room for recut without adversely impacting performance.
### Workstrings International Delta™ Inventory

<table>
<thead>
<tr>
<th>Size</th>
<th>Connection</th>
<th>Nom Weight</th>
<th>Grade</th>
<th>TJ OD</th>
<th>TJ ID</th>
<th>Recommended MUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.875” R2</td>
<td>Delta™ 576</td>
<td>26.30 lb/ft</td>
<td>V-150</td>
<td>7.000”</td>
<td>4.250”</td>
<td>49,300 - 69,000 ft-lb</td>
</tr>
<tr>
<td>5.500” R2</td>
<td>Delta™ 544</td>
<td>21.90 lb/ft</td>
<td>S-135</td>
<td>6.625”</td>
<td>4.000”</td>
<td>41,900 - 58,700 ft-lb</td>
</tr>
<tr>
<td>5.000” R3</td>
<td>Delta™ 527</td>
<td>19.50 lb/ft</td>
<td>Z-140</td>
<td>6.500”</td>
<td>3.750”</td>
<td>41,500 - 58,100 ft-lb</td>
</tr>
<tr>
<td>4.500” R2</td>
<td>Delta™ 425</td>
<td>16.60 lb/ft</td>
<td>S-135</td>
<td>5.250”</td>
<td>3.000”</td>
<td>34,800 - 35,000 ft-lb*</td>
</tr>
</tbody>
</table>

* The 4.500” MUT values are based on a friction factor of 1.15. A copper-based thread compound with a friction factor of 1.15 must be used to achieve the MUT values for this connection.

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Download the Workstrings International Pipe Specification App on the App Store™ or Google Play™

The App allows users to access specifications for the most commonly used sizes and connections of drill pipe, landing string, HWDP, drill collars and tubing providing the option to view and email specification sheets conveniently using your mobile device.

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