HPHT NeoHST

Description

HPHT NeoHSTs are non-explosive and replace pyrotechnic setting tools. NeoProducts Technical Team have set thousands of plugs with HSTs over the last 34 years.

Neo Service Specialists are available to set plugs in HPHT wells and place cement atop the plugs.

Service Temperatures & Pressures for HPHT NeoHSTs are: 400° F (204° C) & 20,000 psig.

HPHT NeoHSTs:
- are run on WL, SL, and CT,
- can be run in Gas, Heavy Brines, and Muds,
- set plugs and packers in 30 → 150 seconds and therein yield long-life pressure isolation barriers,
- can be operated in vertical through horizontal orientations,
- use Standard Baker Setting Tool adapter subs and “GO” Setting Tool adapter subs, and
- have no transportation restrictions.

HPHT NeoHST Benefits

Safer field operations
Unlike pyrotechnic setting tools, NeoHSTs can deliver max load capability throughout the entire stroke
Eliminate burdens related to the use and transport of explosives
Safe, easy transport by land, sea, and air without restrictions
Produce long-life superior plug and packer seals
Compatible with Shooting Gamma Ray
Operates on positive and negative polarity

HPHT NeoHST Models

<table>
<thead>
<tr>
<th>NeoHSTs Replace These Pyrotechnic Setting Tools</th>
<th>Service Pressure Range</th>
<th>Max Service Temperature</th>
<th>Max Applied Load Capacity</th>
<th>HPHT NeoHST Run-in Dia</th>
<th>HPHT NeoHST Make-up Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.69 GO MRST GO Magna Range STs</td>
<td>10,000-20,000 psig</td>
<td>400° F (204° C)</td>
<td>20,000 lbf @ 10.5” stroke</td>
<td>1.75”</td>
<td>111” (9’3”)</td>
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<tr>
<td>2.13 GO MRST GO Magna Range STs</td>
<td>10,000-20,000 psig</td>
<td>400° F (204° C)</td>
<td>32,000 lbf @ 10.5” stroke</td>
<td>2.13”</td>
<td>111” (9’3”)</td>
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<tr>
<td>Baker Model 10</td>
<td>10,000-20,000 psig</td>
<td>400° F (204° C)</td>
<td>50,000 lbf @ 11” stroke</td>
<td>2.88”</td>
<td>135” (11’4”)</td>
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<tr>
<td>Baker Model 20</td>
<td>10,000-20,000 psig</td>
<td>400° F (204° C)</td>
<td>100,000 lbf @ 11” stroke</td>
<td>4.00”</td>
<td>135” (11’4”)</td>
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</tbody>
</table>

The HPHT NeoHST Setting Tools shown above are available for purchase and/or rent. HPHT NeoHSTs are not always available off the shelf, 60-day ARO deliveries are common.

NeoProducts also provides Ultra-HPHT Setting Tools with service ratings of; 400° F & 30,000 psig. Contact NeoProducts for additional information.

NeoProducts, LLC • 1201 Dealers Avenue • Harahan, LA • 70123 • USA
Office: (504) 731-1011 • info@NeoProducts.net