**AmegaVIBE® Vibration Tool**

The AmegaVIBE is an extended reach drilling vibration tool that imparts high energy, low impact excitation to the drill string and BHA while substantially reducing friction, improving bit weight transfer, and eliminating weight stacking. It reduces stick-slip, especially when drilling with a steerable PDM motor. While improving ROP, it improves string movement while sliding and allows excellent tool face control.

The AmegaVIBE is comprised of three major modules: pressure absorption module, power module, and pulse module. As drilling fluid is pumped through the tool, the power module rotates a proprietary valve mechanism creating intermittent pressure increases. These pressure increases cause the mandrel within the pressure absorption module to extend and retract (⅜ to ½ inch) imparting axial movement not only to the drill string but also to the BHA below the tool resulting in improved ROP and tool face control of drilling motors.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Tool Size</th>
<th>5” Standard Flow</th>
<th>5” High Flow</th>
<th>6 ½” Standard Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>13 ft.</td>
<td>16 ft.</td>
<td></td>
</tr>
<tr>
<td>Recommended Flow</td>
<td>250-300 gpm</td>
<td>300-350 gpm</td>
<td>400-500 gpm</td>
</tr>
<tr>
<td>Pressure Drop</td>
<td>400-500 psi</td>
<td>400-550 psi</td>
<td>400-600 psi</td>
</tr>
<tr>
<td>Rotor/Stator Config.</td>
<td>7/8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Temperature</td>
<td>300°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Frequency</td>
<td>9 -11 Hertz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connections</td>
<td>3¼ IF XT39 High Torque 4 FH</td>
<td>4¾ IF</td>
<td></td>
</tr>
</tbody>
</table>

**BENEFITS**

- Improves weight transfer by reducing assembly friction
- Enhances tool face control
- Reduces stick-slip and drill string buckling
- Increased sliding ROP
- Compatible with all MWD/LWD systems
- Reduces lateral and torsional vibration
- No impact force to bit and tubulars

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About Amega West

Amega West Services, a Carpenter Company, is a recognized leader in the manufacture, rental, and repair of downhole drilling tools for land and offshore.

With locations worldwide, and a large inventory of drill collars, stabilizers, sub-assemblies, and other downhole tools, Amega West is committed to providing customers with easy solutions for complicated situations.

Based in Houston, TX, Amega West is committed to providing superior-quality tools, exceptional service, and competitive pricing. You will find the drill-site tools, service and cost efficiencies to give you the advantage in the field.

Visit us at  www.amega-west.com

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