Halliburton Testing and Subsea triangular-style booms are portable triangle-shaped/truss-style assemblies. These modular booms are comprised of 30-ft sections easily configured to accommodate 60-ft and 90-ft lengths to enable protection from excessive heat radiation during the well testing process.

The self-contained boom is secured to the rig structure by the use of a king post, back struts, vertical suspension, and horizontal wind-stay cables and does not require additional support from the rig crane (when in position).

Safety is first and foremost in the design of the Halliburton Burner Boom. All oil, gas, and pilot lines are mounted inside the triangle for easy servicing and makeup by way of a metal walkway designed into the side section of the boom itself.

The vent, air, and water lines are incorporated into the structure of the boom to keep the overall boom as light as possible. Typically installed on either side of an offshore rig, the flow to the burner can be diverted to the downwind boom for safe operations by use of a diverter manifold system.

Boom length depends on the anticipated flow rates.

**Applications**
- Cleanup and flowback
- Extended well testing
**Equipment Specification Data**

(Detailed Equipment Specification Data can be obtained within CWI Database)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Weight (Dry)</th>
<th>Oil Line MAWP / Line Size</th>
<th>Gas Line MAWP / Line Size</th>
<th>Vent Line MAWP / Line Size</th>
<th>Water Line MAWP / Line Size</th>
<th>Air Line (x 2) MAWP / Line Size</th>
<th>Spare Line (x 2) MAWP / Line Size</th>
<th>Walkway</th>
<th>Burner Decking</th>
<th>King Post, Struts, and Mini King Post</th>
<th>Service</th>
<th>Design Load Burner</th>
<th>Design Maximum Load Wind</th>
<th>Design Load Heave</th>
<th>Installation</th>
<th>Design Load Horizontal</th>
<th>Reaction Loads, King Posts, Mini King Posts</th>
<th>Certification</th>
<th>Required Cable, Vertical Support</th>
<th>Required Cable, Windstays</th>
<th>Rigging Drawing</th>
</tr>
</thead>
<tbody>
<tr>
<td>101783865</td>
<td>Burner boom 60-ft and 90-ft triangular truss with king post</td>
<td>60 ft (18.3 m) 12,800 lb (5,715 kg) / 90 ft (27.4 m) 17,700 lb (8,029 kg)</td>
<td>1,440 psi (99.3 bar) / 3-in. Fig. 206 female (thread) union</td>
<td>1,440 psi (99.3 bar) / 6-in. Fig. 206 female (thread) union</td>
<td>To atmosphere / 4-in. Fig. 206 female (thread) union</td>
<td>285 psi (19.7 bar) / 4-in. Fig. 206 female (thread) union</td>
<td>250 psi (17.2 bar) / 3-in. Fig. 206 female (thread) union</td>
<td>To atmosphere / 3-in. Fig. 206 female (thread) union</td>
<td>Included as outboard style. Live load limit: 20.4 lb/ft² (100 kg/m²)</td>
<td>Yes, used for burner maintenance. Live load limit: 660 lb (300 kg)</td>
<td>Included</td>
<td>H₂S</td>
<td>60 ft: 2,650 lb (1,202 kg) / 90 ft: 1,760 lb (798 kg)</td>
<td>100 mph (45 m/s) storm</td>
<td>None allowed</td>
<td>Jack-up and Floating Rigs</td>
<td>Per design wind speed</td>
<td>Refer to D00538469 for standard configuration reaction loads.</td>
<td>Lloyds to AISC-ASD, API-RP 2A-WSD</td>
<td>7/8-in. (22-mm) x 19 IWRC gal EIPS</td>
<td>3/4-in. (19-mm) x 19 IWRC gal EIPS</td>
<td>J889-GA-88-05-2</td>
</tr>
</tbody>
</table>

**Notes:**
1. Refer to the equipment databook for individual equipment specifications.
2. Equipment is designed/certified to AISC-ASD structure. API-RP 2A-WSD structure. ASME B31.3 included piping, NACE MR-01-75, DNV 2.7-1 (Slings and padeyes). 2.7-3 (lifting structure), CE marked (as requested), etc. standards as applicable and documented on the individual Equipment Specification Data Sheets (ESDS).
3. These ratings are guidelines only. Contact your local Halliburton SWT representative for more information.

**For more information contact your local Halliburton representative or email us at welltesting@halliburton.com.**

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