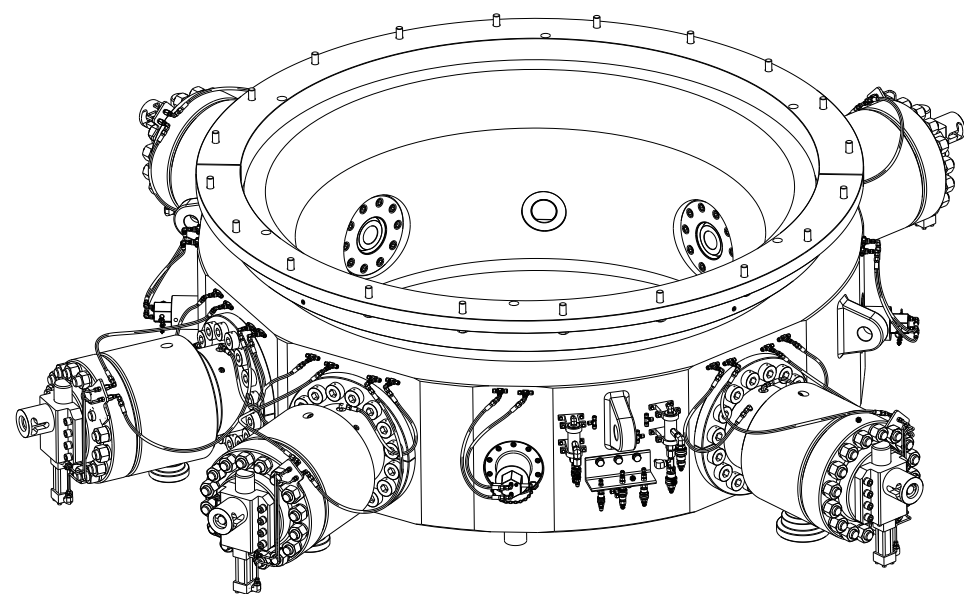
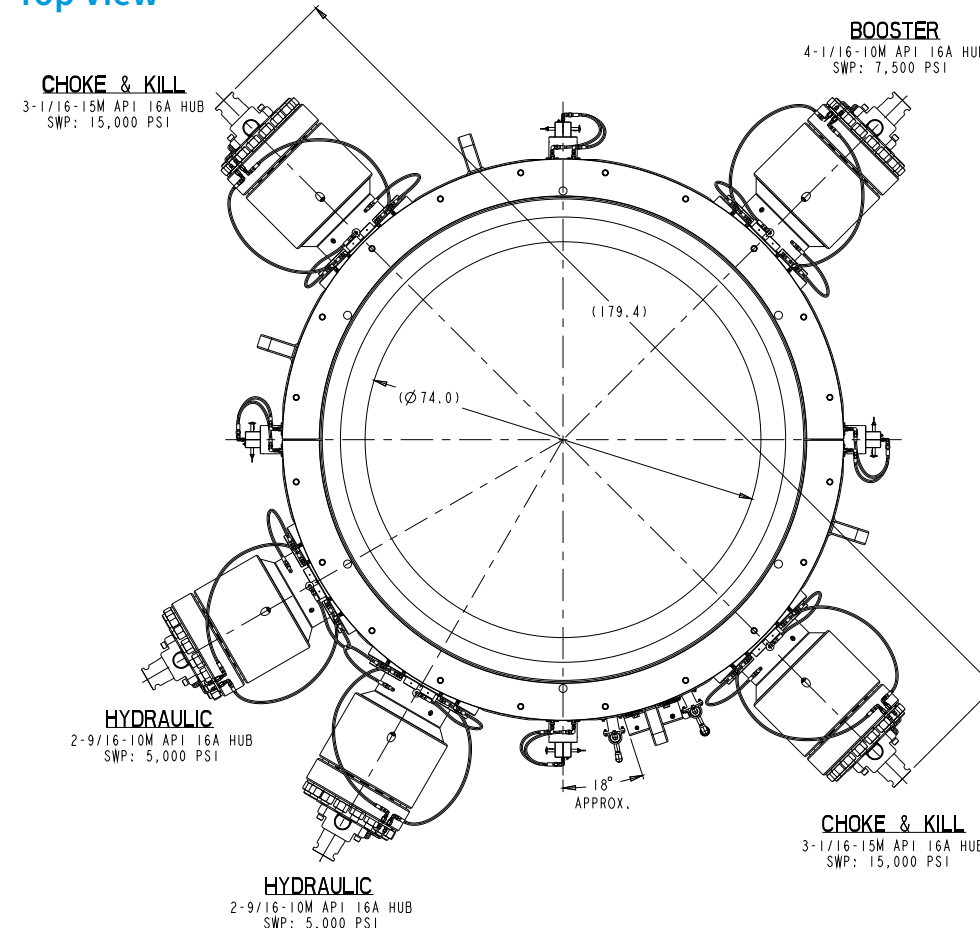


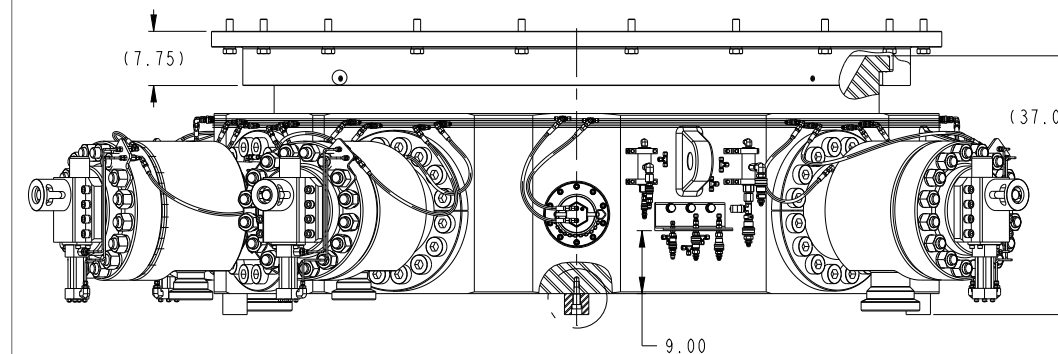
Perspective View



Top View



Front View



Hands Free Gooseneck Overview

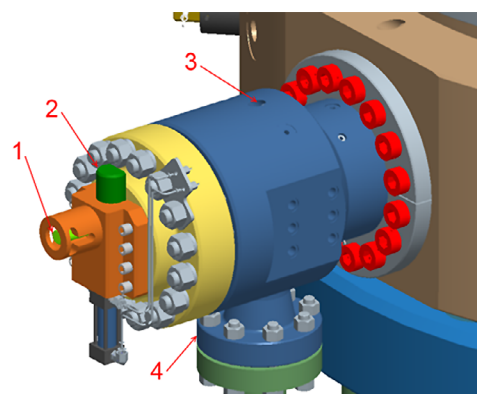
NOV understands the oil and gas industry, and with it, the inherent dangers of rig personnel working inside the moon pool area. Manual Goosenecks have a tendency to have a long connection times and are difficult to manage; leaving an opportunity for both equipment damage as well as exposing rig personal to potentially harmful situations.

With an eye ever towards the needs of our customer, NOV is proud to introduce the Hands Free Gooseneck System (HFGN). NOV's HFGN eliminates the need to have rig personnel in potentially hazardous environments and with the addition of rotating stabs, the BOP stack has easy access beneath the drill floor.

Manual Swivel Gooseneck

The hands free gooseneck stabs are designed such that they may swivel in the clockwise and counterclockwise directions by manually pulling the hose in the desired plane of rotation, making way for any equipment which must find its way to well center. The unit is available in 75 1/2" and 60 1/2" diverter sizes.

1. Visual Position Rod to verify successful stab with the telescopic joint
2. Secondary locking to prevent unintentional un-stabbing of the gooseneck with the telescopic joint.
3. Emergency packing element to temporarily seal potential leaks.
4. API Flange or Hub moon pool hose connections, customizable to customer preference.



Features

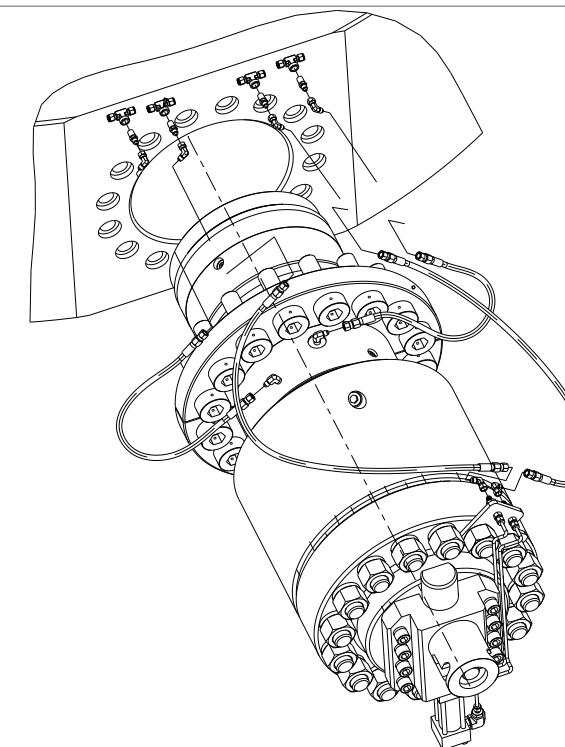
- Simple connection process
- Improved Safety
- No manual intervention required
- Rotating cartridge assemblies
- Modular Components
- Quick disconnects to facilitate connection of control hoses
- Emergency packing element in each cartridge
- Safety interlocks to prevent unintended operation of HFGN functions

Benefits

- Removes personnel from working overwater in a riding belt
- Connection process is reduced from hours to minutes
- Can be retrofitted to existing NOV riser systems with minimal modifications
- Eliminates damage from manually stabbing individual goosenecks using snatch blocks and tuggers
- Modular configuration provides for common spare parts

Testing

- Designed and tested to API 16F Specifications
- Each Hands Free Gooseneck is stab tested with a Telescoping Joint prior to shipment



5X CARTRIDGE HOSE DETAIL