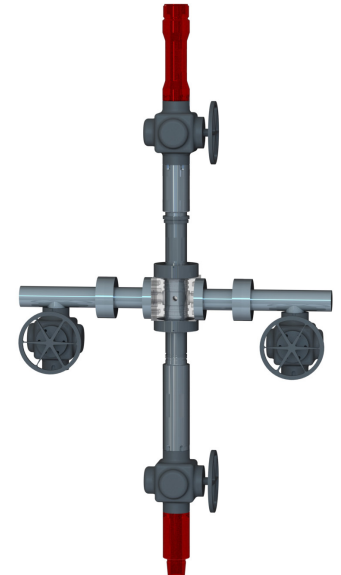


DESCRIPTION

The Full Bore Rotating Control Head is a compact high pressure, Surface Test Tree with a integrated swivel. With 4 valves, the rotating control head provides a primary flow control barrier via the master valve and secondary barriers from the kill, flow and swab valves. The integral swivel allows the drill string to rotate freely from above (top drive) or below (rotary table) while the kill and flow lines remain stationary.

APPLICATIONS

- Drill stem testing
- High pressure surface well control
- Top drive or kelly bushing rig capable
- Wire line / slick line / coiled tubing
- Well cleanup
- Well intervention



FEATURES

- Torque can be transferred through the flow head via the top drive
- Remote activation of flow valve
- Gate valves utilized to increase reliability

SPECIFICATIONS

2003A

I.D. (model dependent) in [mm]	2.36 [57] - 3.0 [76]
LENGTH (model dependent) in [m]	> 35 [0.89]
MAX TEMPERATURE degF [degC]	350 [177]
PRESSURE psi [kPa]	10,000 [68,947] - 15,000 [103,421]
TENSILE STRENGTH lbf [kN]	380,000 [1,690]

*These specifications are guidelines only. Refer to the equipment technical manual, or contact Northstar for more information.