ANNULUS DRILLING TOOL

Technical Data / Specification

Materials
316 Stainless Steel, Aluminum

Dimensions (overall)
- Clamp Size: Designed for 36 in casing
- Height: 30 in
- Clamp - Weight in Air: 438 lbs
- Clamp - Weight in Water: 80 lbs
- Drilling Module - Weight in Air: 322 lbs
- Drilling Module - Weight in Water: 21 lbs

Performance Data
- Input Pressure: 2,800 psi min
- Input Flow: 10 gpm
- ROV Input Fluid: Petroleum based Hydraulic Fluid
- Electrical Requirements: 24v DV @ 5 Am
- Communication Channel: RS232

Overview
The purpose of the annulus-drilling tool is to penetrate the annular space between the surface and production casing to relieve any over pressure, which may lead to casing collapse. The annulus-drilling tool consists of 2-parts. The clamp and support frame is installed around the conductor and the drilling module is then coupled to the clamp. The operation is controlled through a proportional valve pack, which enables the drilling module to accurately drill holes up to 3 in in diameter. The solution also includes a slip plug, which seals on the surface casing and allows for future monitoring and venting of any built up gases.