

# ANNULUS DRILLING TOOL

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## 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.