ARCTECH™ CASING EXIT SYSTEM

APPLICATION

- Sidetracks
- Multilaterals

FEATURES

- Single Trip Design
- Fully Retrievable
- Short, robust construction
- System & Mill Head Design eliminates need for knock off plugs & maximises dressed area
- Number of Flow Ports on Mill Head are not restricted
- No internal Burst Disc required
- Retrieval Hook slot in whip face
- Suitable for Hydraulic or Mechanical Setting
- High torsional and tensile yield
- Fully adjustable setting and shear values
- Easy to assemble and redress

ADDITIONAL INFORMATION

- Common sizes are shown, other sizes available on request.
- Shear Values are adjustable
- Alternative concave angles available to suit dog leg requirements
- Hook retrieval tools, Die Collars and Deflectors are also available from WellEnTech

The WellEnTech ARCtech™ Casing Exit System is a Single Trip System that can be hydraulically or mechanically set. The unique patented design minimises the length of a conventional system by combining tools that are normally run in conjunction, into a single assembly, without compromising on functionality or strength.

The Wrapped Mill and Multi-Ramp are designed to complement each other for flexibility, ease of shear out, Mill starting and centre point elimination. This design delivers a smooth exit and beyond into the new wellbore. The system enables 360 degree exit capability making it an ideal solution to a variety of casing exit scenarios.

TECHNICAL SPECIFICATION

Casing Size (Inches)	Whipstock OD (Inches)	Concave Angle	Concave Length (ft)	Total Length incl. Hydraulic Anchor (ft)	Weight (lbs)	Shear Bolt Value (lbs)
4-1/2	3.300	2.5°	6.5	12.2	560	15K
5-1/2	4-1/2	2°	7	15.5	680	20K
7	5-1/2	2°	8.5	22	870	30K
9-5/8	8	2°	12	18.5	1,200	40K
13-3/4	11-1/2	2.5°	17	34.5	2,100	60K

OPERATION

The WellEnTech Casing Exit System is easily assembled with the use of basic tools provided with the system. Packer hook up at hinge point & mill head hook up to ramp are all designed for ease and safety.

Casing Exit system is run in hole to setting depth where the Whipstock is oriented using MWD or Gyroscope.

With the mill head ports internally isolated the Anchor is set hydraulically via the setting port. Once anchor is set the internal mechanism will shear out the mill head isolating feature to establish full flow through the mill.