



- Manufactured in May 2003 & upgraded in 2009
- Standard drilling mode footprint 4m x 2.4m
- Adverse drilling mode footprint 4m x 3.6m
- Drilling mast height 6m plus a 1.5mtr fly jib
- Two hydraulic supplies for SAFE & efficient operations
- Proven Core Sample recovery from 75m WD
- Maximum weight 4800kgs
- Maximum stroke 5.4m
- Own HIAB for launch & recovery
- Launch and Transportation height 1.95m



*Specifications subject to change without notice. Last revised October 2015*

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## Fit For Purpose

The drilling rig is compact and efficient both in design and operation, delivering the most powerful and technologically advanced single masted diver operated drilling rig to the Australian Market.

## Head Slide

The Drill Rig has been fitted with a hydraulically actuated head slide that moves both the Gearbox and Hydraulic motor to the right of the mast centre line via a hydraulic ram.

## Gear Box

The drilling rig is fitted with an Edson gearbox that has a ratio of 1:1.57 rpm and coupled with the hydraulic motor can deliver a rotational speed of up 900 rpm. This speed can be controlled on the divers panel and is notionally set at 350rpm for coring operations.

## Mast

The mast is primarily constructed of 20mm plate steel that centralises the majority of the drilling rigs weight directly over the hole being drilled.

## Break Out Tool

A hydraulically operated purpose built break out tool is fitted onto an adjustable chromed cylinder and are manually lifted to the desired height for breakout operations.

## Stability

The Drilling Rig is fitted with four hydraulically actuated legs that have independent controls situated on the main control panel and have a 850mm stroke. Each of the four legs can be independently and manually extended out by 600mm to increase the area of the dill rig base.

## Launch and Recovery Methods

The drill rig can be launched by either 'A' Frame or HIAB crane, with the drill rig in the launch/transport mode (mast laid down) allowing for smaller 'A' frame heights to be used.



## Hydraulic Power Packs

The Hydraulic power packs include both an electric hydraulic power pack and a diesel hydraulic power pack to ensure uninterrupted operations.

## ▪ Water Pumps

Shelf Subsea provides both electric and petrol water pumps to ensure uninterrupted operations.

## ▪ Drilling Container

Shelf Subsea provides a comprehensively, fully stocked 10ft drilling container that houses all drilling spares and consumables.

## ROCK BOLTING

The drilling rig has a second hydraulic motor/gearbox designed to deliver a slower rotational speed of 80rpm with a significantly greater torque value for the installation of pipeline stabilisation anchors or 'Rock Bolts'.

Within hours, the core drilling rig can be converted to a pipeline stabilisation drill rig whilst in the field.

