The rotary mast attachment for the Dando Terrier extends the rig’s range of use to include continuous flight and hollow stem augering, tricone & drag bits and rotary core drilling as well as DTH hammers. The Dando Terrier can offer the versatility of a multipurpose drilling rig yet remain small enough to fit through a standard doorway.
## Hydraulic Rotary Drilling Head
- Driven by a hydraulic motor fitted with a 7:1 ratio gearbox with manual gear change providing full controlled power and rotational speeds in forward or reverse. Integral side inlet water swivel with BW rod connection fitted to travelling carriage plate with bolts.

### High Range
- **Maximum Torque:** 155.6 ft-lb, 211Nm
- **Maximum Spindle Speed:** 360 r.p.m.

### Low Range
- **Maximum Torque:** 1089 ft-lb, 1477Nm
- **Maximum Spindle Speed:** 52 r.p.m.

### Guide Ring
- 170mm effective ID

## Mast and Carriage Assembly
- A fabricated welded steel box section construction fitted with two wheels and two levelling jacks. Hydraulically raised and lowered by a single double-acting ram on the main Terrier undercarriage and attached via the pivot frame assembly.

### Length
- 2750mm

### Height
- 2195mm (2.2m stroke);
- 1962mm (1.6m stroke)

## Feed and Hoist System
- Provided by a single double-acting ram transmitting adjustable hydraulic load to the rotary head.

### Stroke
- 2.2m to accommodate 2.0m effective length drill rods.
- 1.6m to accommodate 1.0m effective length drill rods.

### Feed Force
- 1000kg

## Pullback
- 7000kgf

## Drilling Depth Capacity
- 50m+

## Controls and Hydraulic Power
- Hydraulic functions of the hoist/feed and rotation are controlled from the main hydraulic control valve on the Terrier. Hydraulic power is supplied via PTO from the main Terrier hydraulic power pack.

### Weight of Terrier Base
- 754kg

### Weight of Rotary Mast Attachment
- Long Mast 2.2 Stroke: 359kg
- Short Mast 1.6 Stroke: 265kg

## Drilling controls are located at the front of the rig allowing a good view of the drill string and safe operation of the rig when connecting up additional tooling. There is also an emergency stop located at the front and rear of the rig.

### Quick Connect Circuit
- A quick connect auxiliary circuit is fitted as standard to the Terrier hydraulic system which runs the Terrier sampling hammer as well as other equipment, including sand guzzlers and casing jacks. The circuit is protected by a separate pressure relief valve and has a variable flow control valve fitted to the control panel for fine control.

### Jack Legs
- Set of stabilising jacks.

### Options
- Chalwyn valve and spark arrestor
- Wireless remote for tracking
- Casing extractor
- Lifting kit