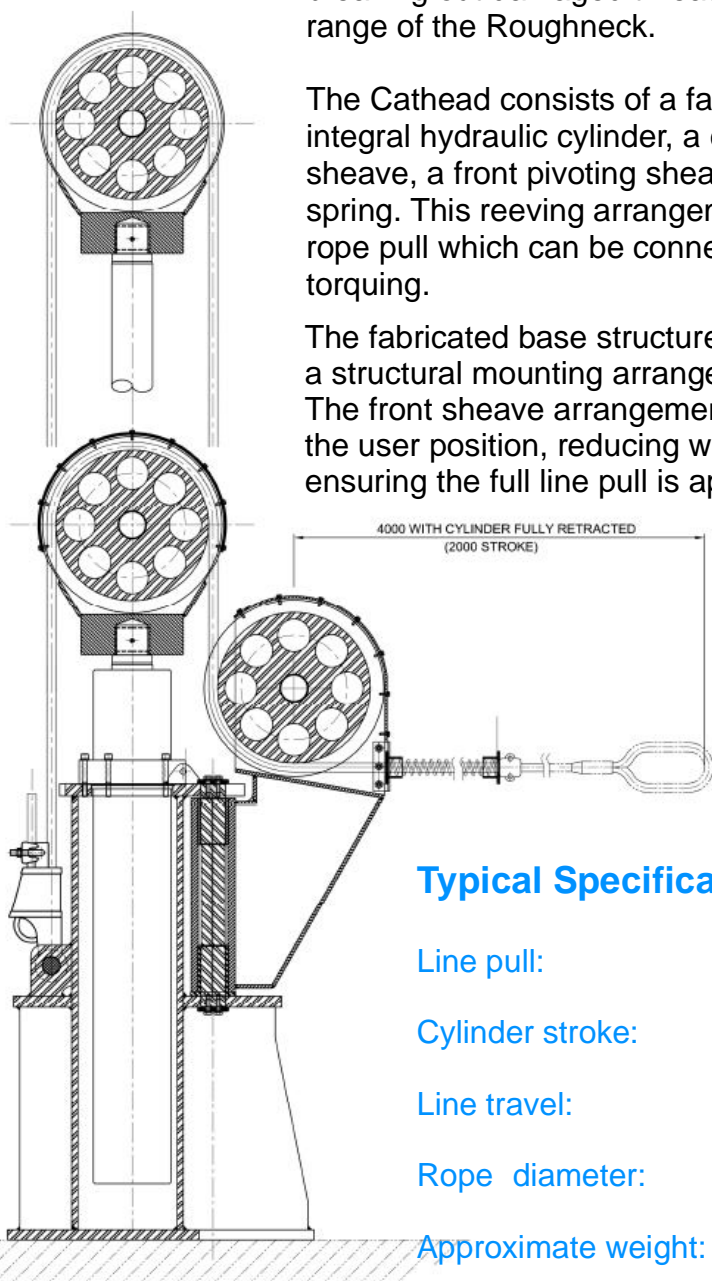




Catheads are used in pairs on the drill floor for the making up and breaking out of joints using tongs. They are often employed for larger joints requiring a higher torque or for breaking out damaged threads requiring torques out of the range of the Roughneck.

The Cathead consists of a fabricated structural frame, an integral hydraulic cylinder, a cylinder rod-mounted travelling sheave, a front pivoting sheave, a rope anchor and rope spring. This reeving arrangement combines to give a linear rope pull which can be connected to the tongs ready for torquing.

The fabricated base structure sits directly on the drill floor on a structural mounting arrangement to suit client requirements. The front sheave arrangement pivots for self-alignment with the user position, reducing wear on the rope and sheave, and ensuring the full line pull is applied efficiently.



### Typical Specification

Line pull:	0-150kN
Cylinder stroke:	1000mm
Line travel:	2000mm
Rope diameter:	20mm
Approximate weight:	650kg(each)
Mounting:	Bolting arrangement for drill floor mounting



# HYDRAULIC POWER UNITS & CONTROLS



### HYDRAULIC POWER UNITS

As well as regularly providing integral power units with equipment packages, we can also offer stand-alone Hydraulic Power Units to suit most applications, including Centralised Power for Rig Hydraulic Ring Mains.

- Electric or diesel driven
- Zoned area application
- Acoustic cladding for noise restricted areas
- Skid mounted for ease of movement/relocation
- Control panels and PLC controls available
- Design service for bespoke solutions



### HYDRAULIC CONTROLS

In the same way, we can engineer hydraulic control consoles to suit a wide range of applications. Existing equipment controls and pipework are often repaired or replaced to extend the reliable life of high value capital equipment.

- Full flow control designs
- Pilot hydraulics design
- Electro-hydraulic designs (With PLC enhancements)
- Zoned area applications
- Design service for bespoke solutions
- Like for like design and supply service