

VERTICAL TUBULAR HANDLING TWO-ARM RACKING SYSTEM



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The Two-Arm Racking System consists of an upper racking arm, and a central racking arm which co-operate in order to transfer stands of pipe from well-centre to the setback area.



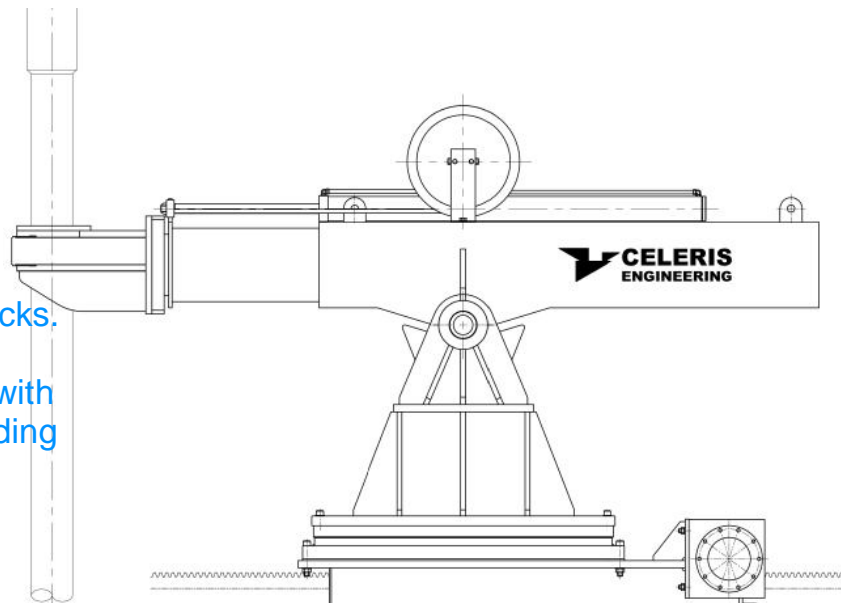
The upper racking arm is located at fingerboard level, running on parallel tracks between each fingerboard towards and away from well-centre. A compact head with rotating finger-type capture (adjustable for different tubulars) ensures that pipe can be accurately positioned in any of the racking positions using the racking arm's slewing, travelling and telescopic motions.

The centre racking arm is mounted directly below the upper racking arm, running on identical, parallel tracks between each setback. It too travels, slews and telescopes to enable it to reach each racking position in the same way as the upper racking arm, whilst in addition providing the lifting of the stands

via its travelling head arrangement, reeved to a stand-lift cylinder which is mounted vertically in the derrick.

KEY BENEFITS

- Safe, controlled transfer of stands between setback, mousehole & well-centre.
- Lightest type of pipehandling system.
- Ideal for retro-fitting into existing Derricks.
- Control options available to integrate with other drilling controls and logic (Including Anti-collision).
- Customisable options to suit drilling programs & drill floor layouts.



DESIGNED & CONSTRUCTED
TO OPERATE IN ZONE 1 & SAFE AREAS



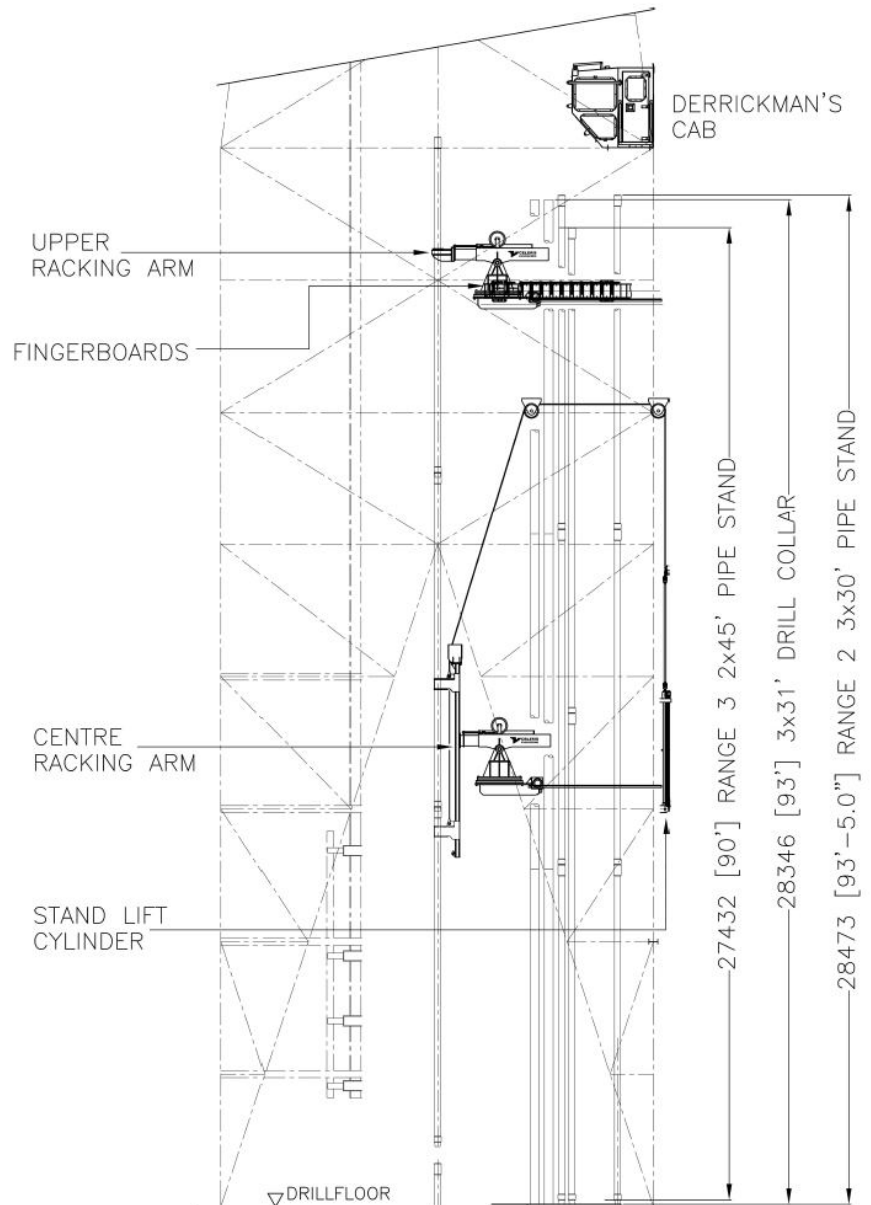
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Typical Specification

- Range of tubulars:
Drillpipe & Drill Collar (Ø27/8 to Ø9 1/2")
- Mode of carriage travel:
Rack & Pinion with anti-lift.
- Slewing Range:
Continuous
(Limits available to suit fingerboard)
- Telescopic boom stroke:
Up to 2600mm (To suit setback)
- Minimum working radius:
1150mm (Depending on layout)
- Controls:
Proportional pilot hydraulic controls
(Other control options available)
- Lifting capacity:
3,000kgs
- Lift head travel:
Up to 4400mm (To suit layout)



Functions

- Travel in / travel out (of Well Centre)
- Slew clockwise / slew anticlockwise
- Extend / retract arm
- Close / open grippers
- Lift / lower

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