

TWO-ARM RACKING SYSTEM



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.

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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.

DESCRIPTION	TECHNICAL SPECIFICATION
Range of Tubulars	Drillpipe & Drill Collar (2 7/8 9 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)
	<i>NB: Technical data may be subject to change</i>

BENEFITS	
Transfer of Stacks	Safe, controlled transfer of stands between setback, mousehole & well-centre
Lightest Pipehandling System	Lightest type of pipehandling system
Retro Fitting	Ideal for retro-fitting into existing Derricks
Control Options Available	Control options available to integrate with other drilling controls and logic (Including Anti-collision)
Customisable Options	Customisable options to suit drilling programs & drill floor layouts.
Functions	Travel in / travel out (of Well Centre), Slew clockwise / slew anticlockwise, Extend / retract arm, Close / Open grippers, Lift / lower

