



DRILL FLOOR MANIPULATOR ARM

Hampco's drill floor manipulator arms (DFMA) are custom-designed to suit specific derrick or mast and drill floor arrangements. DFMA's can be pedestal mounted on the drill floor or underslung from the derrick or mast with custom foundation structures, also supplied by Hampco. DFMA's can be configured with various head arrangements to handle any or all sizes of tubular including casing and riser.

Typical Performance Data (Adjusted to suit specific customer requirements)

Lifting Capacity:	600 Kg at max reach (pad-eyes).
Pipe Sizes:	3 ½" to 9 ½" (adaptor plates-on smallest head)
Slewing Range:	To suit drill floor layout
Slewing Speed:	0 – 2.5 rpm
Slewing Moment:	80 KNm
Telescopic Force (Push/ Pull):	50 KN
Telescopic Stroke:	5000 mm
Working Reach:	2850 mm to 7850 mm
Telescopic Speed:	0-15 m/min extend (recommended)
Finger:	Rotary actuated (pilot check) to minimise space
Arm Luffing Angle:	15° up - 45° down
Horizontal Head Facility:	Optional
Head Luffing Angle:	15° down - 45° up
Total weight:	6.5 Tonnes
Head weight:	550 Kg (smallest, to suit above tubular)
Main Hydraulic Supply:	206 Bar, 200 Litres/min
Pilot Hydraulic Supply:	35 Bar.
Other features:	Hose reel supply to head & telescope cylinders. All controls are hydraulic with proportional control. All pins & axles are high strength stainless steel. Drill floor mounted control console c/w s.s. cover. Main control valve block stand suitable for mounting locally or remote. In line filter units fitted to both control console & main control valve block. Load holding valves fitted to cylinders.

Reduced Cost of Ownership

Hampco Equipment is supplied under its proprietary trademark, Manualisation™, which is fundamentally focused on reducing the life cost of ownership of our equipment, minimising dependence on the OEM and guaranteeing against obsolescence. The key features of this approach are our use of readily available components and fully disclosing parts and materials to allow our customers to service, repair and buy parts directly to reduce OEM spares and service costs but also thereby reducing the exposure from downtime.

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