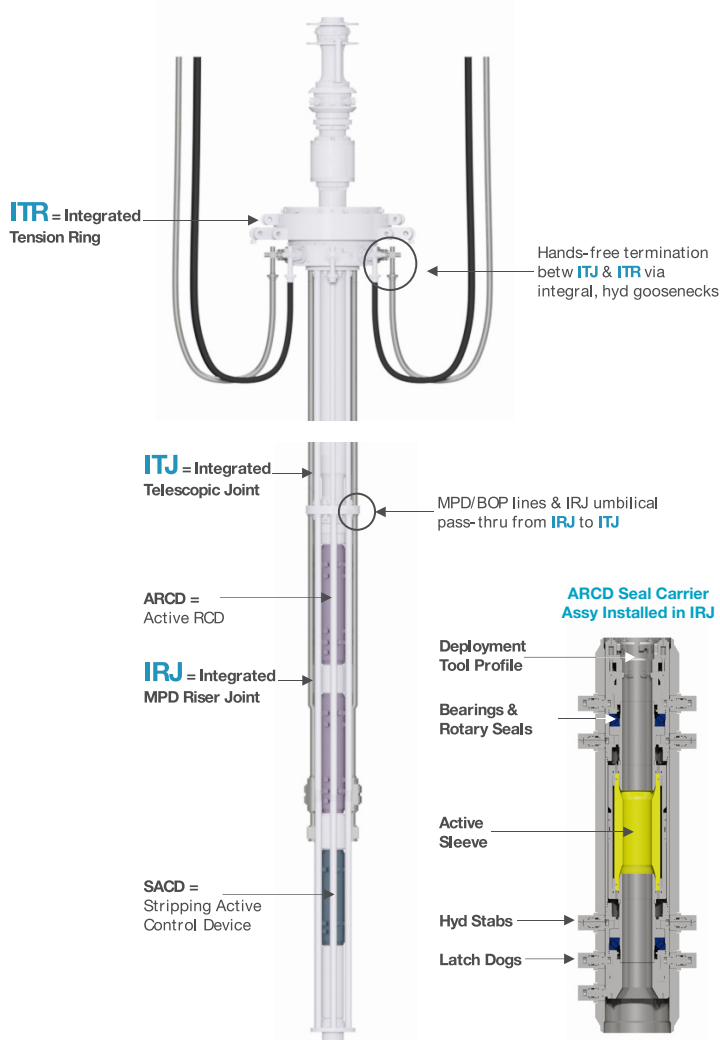


Integrated MPD Riser

While several challenges have limited the broader adoption of MPD, HMH's fully integrated MPD system is designed to overcome these barriers. By enabling rapid deployment, ensuring increased reliability, and allowing easy in-operation servicing, our solution benefits both operators and drillers—delivering a lower total cost of ownership for your operations.

Product Description

HMH's Integrated MPD Riser unlocks fast, hands-free deployment of the Integrated Riser Joint (IRJ) and Telescopic Joint by integrating both systems with the Tension Ring. With the addition of dual active RCDs, retrievable consumables, and flexible deployment options, this system sets a new standard for MPD performance.



Benefits

FAST DEPLOYMENT | Streamlined, hands-free deployment of IRJ and Telescopic Joint, reducing overall rig-up time by up to 65%.

RELIABLE PERFORMANCE | Fully redundant, dual active RCD's, eliminating the need to "slow down" during drilling and tripping operations.

RETRIEVABLE & SERVICEABLE | Consumables can be easily retrieved and serviced during operations without unlatching the BOP, reducing exposure to MPD-related non-productive time (NPT).

Key Features

REDUNDANT | Each Active RCD is designed to drill entire hole sections, ensuring performance without compromising key drilling metrics.

SAFE | Hands-free rig-up of all MPD/BOP lines and IRJ umbilical eliminates the need for man-riding and cherry picker operations.

FLEXIBLE | Simultaneous or individual deployment and retrieval of ARCD/SACD seal carriers, alongside a "drill-ahead"-type running tool.



Integrated MPD Riser

Technical Specifications

Integrated Riser Joint (IRJ)		
Active RCD (ARCD)	Type	Active + Rotating (Qty 2)
	Drill Pipe Size	6-5/8 in
	Static Pressure	2 000 psi / 13 800 kPa
	Dynamic Pressure	1 500 psi @ 200 RPM / 10 350 kPa @ 200 RPM
	Stripping Pressure	1 000 psi @ 3,600 ft/hr / 6 900 kPa @ 1 100 m/h
	Hydraulic Pressure	3 000 psi / 20 700 kPa
	Temperature	30-150° F / 1-65°C (polyurethane)
	Outer Diameter	18-3/4 in
	Drift w/ Open Sleeve	8-5/8 in
	Field Serviceable	Yes
Stripping ACD (SACD)	Type	Active + Non-Rotating (Qty 1)
	Drill Pipe Size	6-5/8 in
	Static Pressure	2 000 psi / 13 800 kPa
	Dynamic Pressure	-
	Stripping Pressure	1 000 psi @ 3,600 ft/hr / 6 900 kPa @ 1 100 m/h
	Hydraulic Pressure	3 000 psi / 20 700 kPa
	Temperature	30-150° F / 1-65°C (polyurethane)
	Outer Diameter	< 18-3/4 in
	Field Serviceable	Yes
IRJ Assy	Tensile Rating	3 500 kips / 15 500 kN
	Height	40 ft / 12 m (w/o cross-overs)
	Weight	30 kips / 130 kN (w/o cross-overs)
	Outer Diameter	< 60 in
	Drift w/o Seal Carrier	19 in
	MPD Lines	
	Mud Return (Qty 2)	3 000 psi / 20 700 kPa (pass-thru from IRJ to ITJ)
	Bleed (Qty 1)	3 000 psi / 20 700 kPa (integral to IRJ)
	Umbilical (Qty 1)	3 000 psi / 20 700 kPa (pass-thru from IRJ to ITJ)
	BOP Lines	
	Choke/Kill (Qty 2)	15 000 psi / 103 000 kPa (pass-thru from IRJ to ITJ)
	Mud Boost (Qty 1)	7 500 psi / 52 000 kPa (pass-thru from IRJ to ITJ)
	Hydraulic (Qty 2)	5 000 psi / 34 000 kPa (pass-thru from IRJ to ITJ)

