

Reservoir Group's JRS4™ Jam Recovery System saves operation costs by reducing unplanned trips due to core jamming.

Based on industry proven core barrel technology, the JRS4™ Jam Recovery System allows for the recovery and continuation of the core run after a jam event has occurred. JRS4 is built upon our ultra-stable CHD core barrel and Thin Sleeve System (TSSTM) Inner Barrel Platforms.

Through the retention of the TSS architecture, a thin-walled aluminum liner is housed inside a Steel Inner Barrel. Jam Recovery is provided by an inner telescoping shuttle that is activated and released during a core jam event, providing mechanical jam recovery capability.

The single telescopic shuttle within the JRS4 allows for a larger 4-inch diameter core and industry-best support. The annular space created in standard telescopic systems is minimized in JRS4, providing vital support to the core column while still offering the benefit of jam recovery.

The JRS4 is part of the Reservoir Group jam mitigation suite of solutions. Our unique approach employs a two-tiered system using jam prevention and jam response solutions to reduce the high cost and down time caused by core jams.



Features	Benefits
Quicker activation through smallest possible catcher/activation mechanism gap	<ul style="list-style-type: none"> • Afford early jam recovery protection • Maximum Telescoping Shuttle coverage once the core has passed through the core catcher
Single telescoping shuttle allows for minimal core/inner barrel annular gap	<ul style="list-style-type: none"> • Smaller annular gap allows less space for the core to shift in, especially as the core column grows • More applicable in a wider range for formations, especially when heavily fractured
Maximum inner barrel strength and stability	<ul style="list-style-type: none"> • TSS steel inners provide the highest inner barrel collapse pressure in the industry • SLDS provide the highest density of inner barrel stabilization available
Efficient surface core recovery system for reduced core damage	<ul style="list-style-type: none"> • Standard split lay down subs (SLDS) allow for quick, non-rotational separation of the inner barrels eliminating torsional damage to samples • Split recover system (SRS) hydraulic design for controlled separation of the core to eliminate mechanical damage to the samples

JRS4™
for Demanding Applications

- Highly fractured formations
- HP/HT coring applications

- Packed assembly for coring (PAC)
- Conventional coring applications

Technical Information

General Specifications		Platform Name
		CHD7
Hole Size	(in) (mm)	8-9 1/4 203-235
Platform Size	(in) (mm)	7 1/8 *181
Core Size	(in) (mm)	4 102
Unit Length	(ft) (m)	20 6
Max. coring assembly length	(ft) (m)	300 91
Activation Force range	(lbs)	600-8,000