

Casing Running and Reaming Tool™



The Casing Running and Reaming Tool™ (CRRT) technology, gets your casing to total depth despite compromising hole conditions such as bridges, ledges, doglegs, sloughing formations, and/or deviated holes.

The CRRT is ideally suited for use with Nabors' casing running system which allows the casing string to be simultaneously circulated, rotated, and reciprocated with the unique Casing Drive System™ and a Top Drive. Design features provide the ability to combine hydraulic and mechanical energy to break through down hole obstructions.

- The tapered nosecone provides an effective leading profile for navigating past ledges, obstacles and faults that can hang up casing
- Nosecone is durable and drillable and designed to minimize the amount of material that drops off upon drill out
- Hole cleaning is achieved with three unique large scallops on the nosecone profile that provide powerful hole cleaning and circulation performance
- Three spiral external blades help condition the hole and provide centralization for cementing
- The CRRT is available with or without an internal float

*All specifications are subject to customization and continuous product improvement.

FEATURES & BENEFITS

- Simple and effective nosecone design:
 - Rugged and tapered profile aids in navigating past ledges and through obstacles
 - Three large scallops with hardfacing provide an effective leading edge to ream through obstructions from fill and formations
 - Powerful hydraulic forces result from the design of four fluid ports for jetting action. Port spacing is asymmetrical to maximize turbulence and hole cleaning. Ports are directed straight down to minimize side jetting that can aggravate washouts
- Drill out of the bronze nosecone is easily achieved with PDC or roller-cone bits. The geometry feature on the nose minimizes the amount of material left in the hole when the bit completes drill out of the nosecone
- Standoff ribs are designed into the inside base of the nosecone as a safety feature to preclude foreign material from accidentally blocking ports during circulation
- Right hand spiral blades have large bypass for effective hole conditioning and cleaning
- Hardfacing of the nose and blades is standard for aggressive and lengthy reaming requirements
- High torque, shouldered API Buttress connection provides ample torque capacity for reaming

AVAILABLE SIZE RANGE

Casing Size	Minimum Weight*	CRRT Blade Diameter	Length
4 ½ in.	10.50 lbs	5 ⅝ in.	29 in.
5 in.	13.00 lbs	6 in.	
5 ½ in.	15.50 lbs	6 ⅞ in.	
7 in.	23.00 lbs	8 ¼ in.	
7 ⅝ in.	26.40 lbs	9 in.	
8 ⅝ in.	28.00 lbs	10 ¼ in.	
9 ⅝ in.	36.00 lbs	11 ½ in.	
10 ¾ in.	40.50 lbs	12 ¾ in.	
11 ¾ in.	47.00 lbs	13 ¾ in.	
13 ⅝ in.	54.50 lbs	15 ⅞ in.	

*The CRRT is suitable to run with above mentioned casing weights and heavier.