

Paradigm's Rebel™ is designed specifically to enhance cuttings bed removal in horizontal or highly deviated wells and is part of an ongoing development process based on knowledge learned from over 500 ERD wells around the world.

The Rebel™ features Integral Cuttings Blade design derived from our own patented enhanced performance drill pipe with proven cuttings bed lifting capability.



The short one piece design offers increased rigidity and improved performance while in compression. It has the capability to be racked back in the derrick as part of the drilling stand.

The Rebel™ successfully lifts and helps transport a greater volume of cuttings to surface reducing the number of bottoms up sweeps. It delivers larger cuttings to surface with its proven integral design.

The Rebel™ assists in keeping ECD to a minimum and the fluted design helps prevent differential sticking, additional wiper trips and sweeps while minimising torque, drag and pick up weight.

Integral design also means that the tool is extremely robust and tool wear is minimal, typically a minimum of 750 rotating hours are being achieved on the tools over multiple sections and wells without redress.

#### Features / Benefits

- Integral Cuttings Blades design field based on PDS Enhanced Performance Drillpipe
- Proven cuttings bed lifting capability
- Short body length allows subs to be racked back as part of a stand
- One piece body offers high rigidity and better performance in compression
- Enhanced gauge protection
- Cuttings at surface in reduced number of bottoms up
- Increased size of cuttings at surface (+14%)
- No measured increase in ECD's
- Reduction in torque/drag and pick up weight
- Reduce/eliminate wiper trips and backreaming
- Eliminate differential sticking
- Minimal tool wear (+750 rotating hours)



Technical Information					
Tool Size	Connection	Tool Joint OD	Body ID	Gauge OD	Tool Length SH-SH
4.00"	XT39	4.875"	2.50"	5.375"	54"
5.00" (No.1)	NC50	6.625"	3.00"	7.125"	54"
5.00" (No.2)	NC50	6.625"	3.00"	6.900"	57"
5.50"	XT50 & TT550	6.625"	3.00"	7.125"	54"
5.875"	XT57	7.000"	2.81"	7.500"	54"
6.625"	6-5/8" FH API	8.500"	3.00"	9.000"	54"



**NOTE:** Other sizes and connection configurations are available upon request. Above sizes may change on customer request. The tools shown here are patented or have patent pending.

