

Thermal Liner Hanger System

EXTrack™ & Beast Running/Setting Tools

- 48 square inches of setting area
- Simplest and most robust running/setting tool available, stab-in and automatic hydraulic release
- One tool sets and retrieves all Logan Completion Systems' hangers and seals
- Extremely high setting force capability; can set any Logan Completion Systems' hanger/seal with the rig pump
- Simple adapter kits accommodate different sizes of hanger and seals
- Simple operation and redress, field adjustable shear setting
- High torque through capabilities
- Emergency threaded and secondary emergency 1/6-turn shear release
- Depressurization of the work string/full circulation indicates full release
- Once unset, circulation is to the bottom of the hanger/seal or circulation string

The Beast with EXTrack tandem Setting and Running Tools are a premium liner hook-ups that boast innovative design features intended to put any liner into place, even in the most demanding hole conditions.

EXTrack & Beast Running/Setting Tool

Logan Completion Systems' Beast with EXTrack is a double-piston, hydraulically actuated setting tool designed for vigorous push, pull, drill-down, and drill-in operations in tension or compression while working liners to bottom. The Beast/EXTrack will run and retrieve any Logan Completion Systems' liner hanger, liner top packer, or liner top seal. With just the set down weight of the EXTrack, the EXTrack's running head with sturdy snap-in running teeth, engages the running threads of the seal and/or liner hanger to be run. The EXTrack's high torque clutch, capable of up to 30,000 ft-lbs of torque, automatically engages the clutch of the seal and/or liner hanger with virtually no rotation.

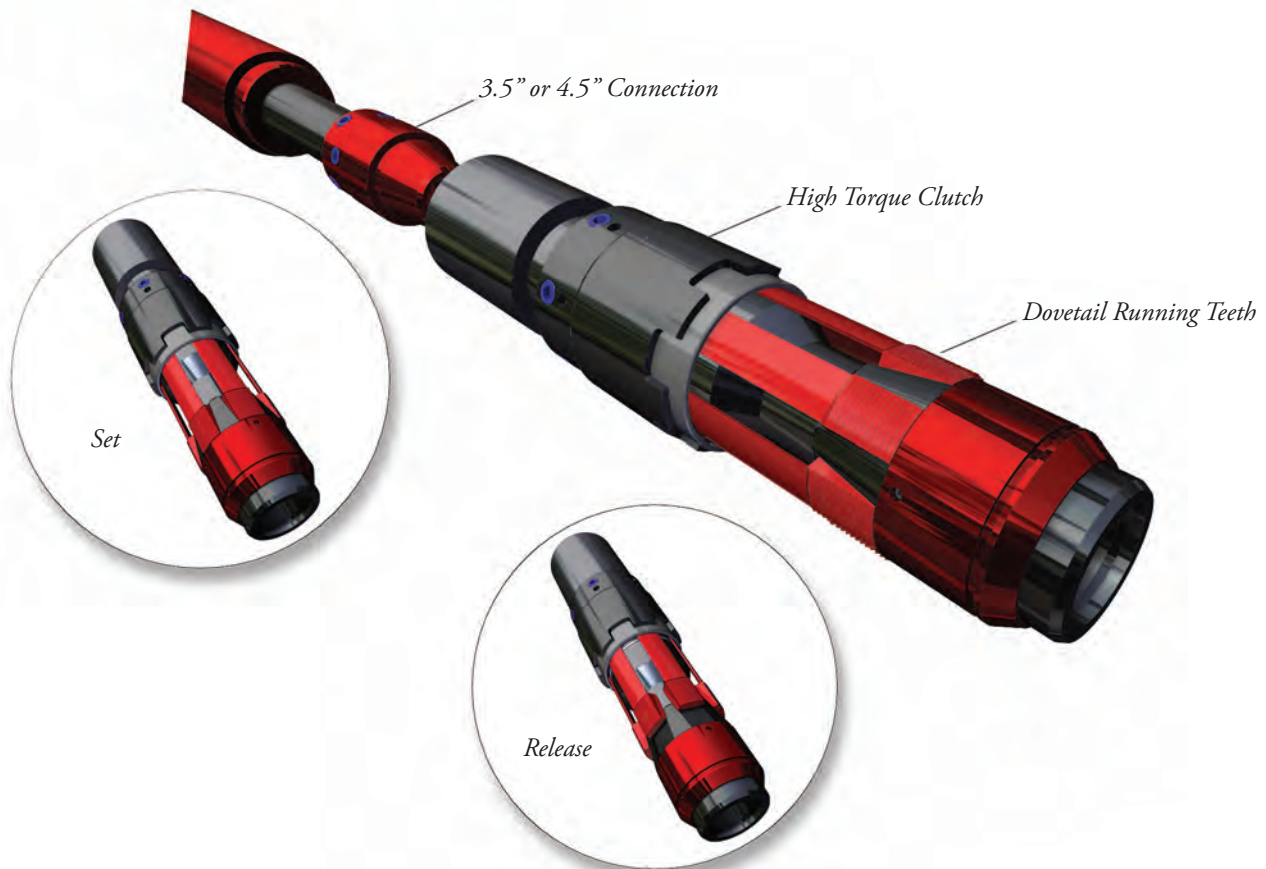


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EXTrack - Torque Limits				
4140 Material	EXTrack Mandrel Clutch	4-1/2" IF Thread		
Torque	35,000 ft/lbs	47,454 Nm	31,000 ft/lbs	42,030 Nm
Tensile Limits				
4140 Material	EXTrack Release Dogs	4-1/2" IF Thread		
Tensile Limits	480,000 lbs	2135 kN	587,000	2611 kN
Maximum Pressure				
4140 Material	EXTrack Release Sleeve	3-1/2" EUE Tubing		
Burst	10,000 psi	68.95 Mpa	10,000 psi	68.95 Mpa
Releasing Pressure				
Maximum Hydraulic Releasing Pressure		3,000 psi	20.68 Mpa	
Upper Connection		4-1/2" IF Box	114.3 mm IF Box	
Lower Connection		3-1/2" EUE Box	88.9 mm EUE Box	

Beast Setting Tool - Torque Limits				
4140 Material	Torque Pins		4-1/2" IF Thread	
Torque	35,000 ft/lbs	47,454 Nm	31,000 ft/lbs	42,030 Nm
Tensile - Pressure Limits				
4140 Material (L-80)			Value	
Tensile Yield			460,000 lbs	2046 kN
Pressure Limits			10,000 psi	68.95 Mpa



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