

TOP DRIVE

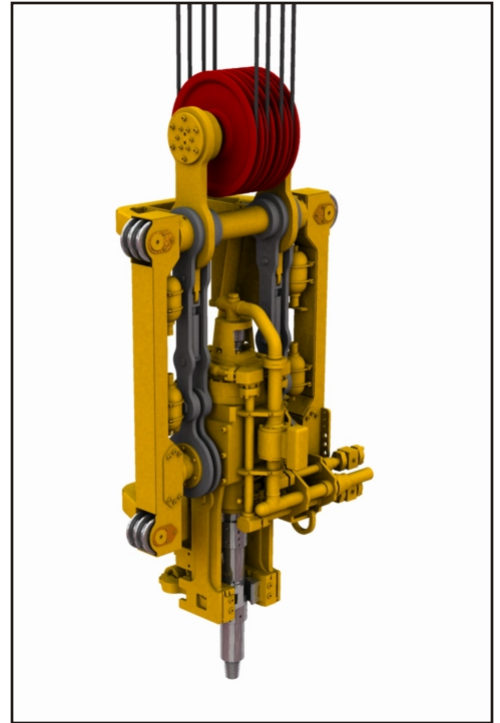
Rigmasters RT-80-H1 and RT-150-1 Top Drives articulate to 90° to enable threading at waist height straight off the pipe launcher or power catwalk.

The traveling block is integral with the top drive tracking trucks and main frame. This enables one of the shortest TD assemblies in the industry.

The tracking wheel design (patented) is uniquely engineered to enable running on derrick front leg tracks. It eliminates torque drag and jerky up and down movement of the top drive. Being almost friction free and stable at 4 points eliminates an angular quill caused by offset mud and hydraulic hose umbilical.

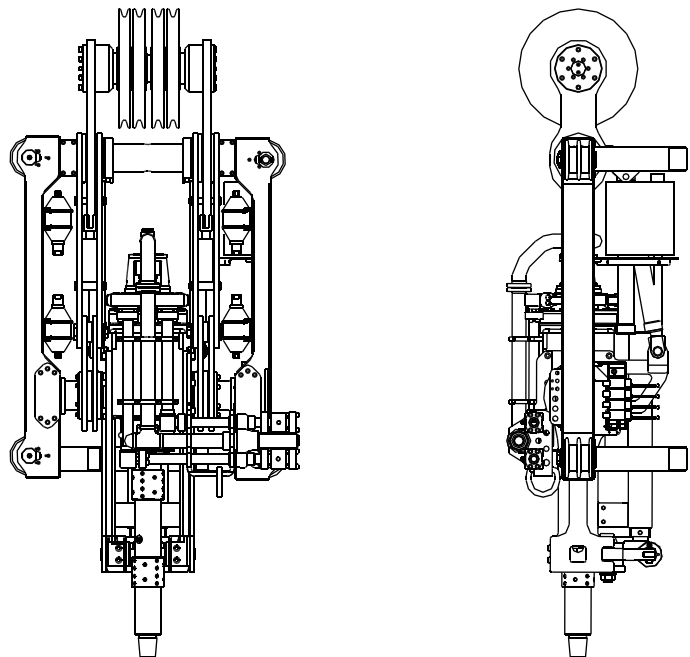
Power to Rigmaster Top Drive is accomplished by a Hagglunds motor with a uniquely designed manifold system that provides more oil to motor ports than required and a shock absorption system which takes care of destructive cavitation spikes.

A new design to the oil industry is the clamp assembly, which can handle full motor torque for making up or breaking out at waist height.



The clamp can also be used as an elevator for tripping of pipe. This enables less threading in and out of tubulars, to limit thread wear and speed up process.

The Top Drive has two 150 ton critical load paths, one through the quill and one through the clamp assembly.



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