Wellbore Integrity SOLUTIONS

TrackMaster TT

Thru-tubing whipstock system

APPLICATIONS

- Casing exits below production tubing or some other restriction

BENEFITS

- Saves time and money with no need to pull production tubing
- Uses rig time efficiently with a single trip for running in the whipstock, setting it, milling, and drilling the rathole
- Provides consistent, fast milling with a FasTrack* one-trip mill
- Reduces risk of inaccurate sidetracks with firm, stable anchoring

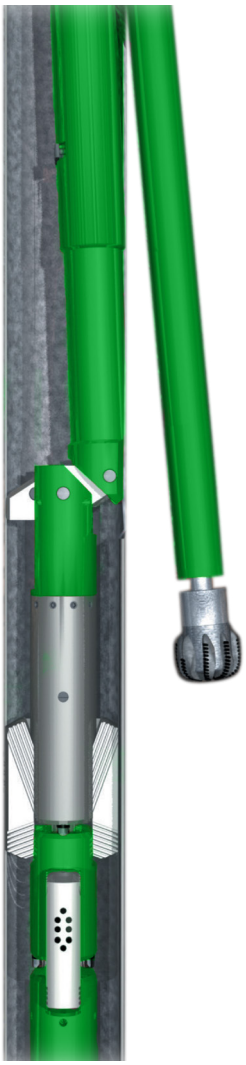
FEATURES

- Tool OD engineered to pass through tubing ID
- Hydraulically actuated expandable anchor for stable positioning
- Slips designed for maximum centralization and stability
- Milling assembly deployed with whipstock in the same run, if desired

In a single run, the TrackMaster Elite* extended-window whipstock system can mill a 22.125-ft window—40% longer than a standard window—and drill a rathole to operator specifications. This significantly improves BHA pass-through, eliminating the need for additional runs to elongate the window when setting multilateral junctions, running stiffer drilling and completion BHAs, or reducing overall tortuosity across the whipface.

To ensure full-gauge and full-length windows, the system features an elongated multiramp whipstock slide, durable lead mill cutting structure, and quad-mill BHA option.

The TrackMaster Elite system adapts to several proven anchoring solutions, and both hydraulic and mechanical options are available. Permanent or retrievable packers can be selected to suit the project requirements.



TrackMaster TT thru-tubing whipstock system.

TrackMaster TT

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CASING MILLS

Two different mills are available with the TrackMaster TT system:

- FasTrack one-trip mills are designed to mill casing and require less torque and weight on bit (WOB) than standard milling assemblies. They can be fitted with cylindrical MillMaster* carbide inserts or PDC inserts to suit the application.
- GeoTrack Mill* PDC cutter steerable mills are engineered with a force-balanced cutting structure that can efficiently mill casing, and also drill formations with compressive strengths up to 40,000 psi.

TrackMaster TT Specifications		
Tool Size	**4 ½-in × 7-in**	**7-in × 9 ⅝-in**
System OD, in [mm]	3.625 [92]	5.625 [143]
Mill OD, in [mm]	3.625–3.875 [92–98]	5.75–6.25 [146–159]
Setting pressure (hinge), psi [MPa]	939 [6.5]	955 [6.6]
Setting pressure (anchor), psi [MPa]	3,000 [20.7]	3,000 [20.7]
Release load (whip), lbf [N]	14,400 [64,054]	32,000 142,343]
Release load (anchor), lbf [N]	32,400 [144,122]	64,800 [288,245]
Torque, ft.lbf [N.m]	6,000 [8,135]	30,000 [40,675]

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