

TrackMaster* Mechanical Anchor Casing Exit System

Economical casing exits and single-trip sidetracking

APPLICATIONS

Standard casing exits

BENEFITS

- Streamlined operations with a simplified and reliable design
- Decreased maintenance requirements with no welding and fewer components compared with conventional systems

FEATURES

- Weight-set actuation
- Hinged system
- Single slip
- Retrievable

Wellbore Integrity Solutions mechanical anchor casing exit systems provide casing exits and sidetracking in a single trip. Their streamlined design and all-mechanical system enable easy operation and help to reduce trips, milling time, and rig time for reentry into an existing wellbore.

Casing exit system

The base of the casing exit system is a mechanically set, single-slip anchor that is run to the desired depth on the drill pipe and is connected to the whipstock slide. Once depth has been reached, the whipstock face is aligned through gyro or other directional measurement tools, and the anchor is deployed by setting weight on the bottom of the hole, cement plug, bridge plug, or liner top. Compression enables setting the anchor to lock firmly into place within the casing string, and weight is applied to shear the lead mill from the top of the whipstock slide. The system can enable whipstock anchor setting and casing exit in a single trip.

Mechanical anchor



SPECIFICATIONS

Casing Size, in. [cm]	Casing Weight, lbm/ft [kg/m]	Offset Pad Needed	Anchor Max. OD, in. [cm]	Whipstock Assembly OD, in. [cm]	Activation Load, lbm [kg]
5.50 [13.97]	14–23 [20.83–34.23]	No	4.25 [10.80]	4.19 [10.64]	8,000 [11,905.31]
7 [17.78]	17–20 [25.30–29.76]	Yes	5.82 [14.78]	5.38 [13.67]	8,000 [11,905.31]
	23–38 [34.23–56.55]	No	5.38 [13.67]	5.38 [13.67]	8,000 [11,905.31]
7.63 [19.38]	24.2–26.4 [36.01–39.29]	Yes	6.45 [16.38]	6 [15.24]	8,000 [11,905.31]
	29.7–47.1 [44.20–70.09]	No	6 [15.24]	6 [15.24]	8,000 [11,905.31]
9.63 [24.46]	32.3–36 [48.07–53.57]	Yes	8.38 [21.29]	8 [20.32]	8,000 [11,905.31]
	40–53.5 [59.53–79.62]	No	8 [20.32]	8 [20.32]	8,000 [11,905.31]

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