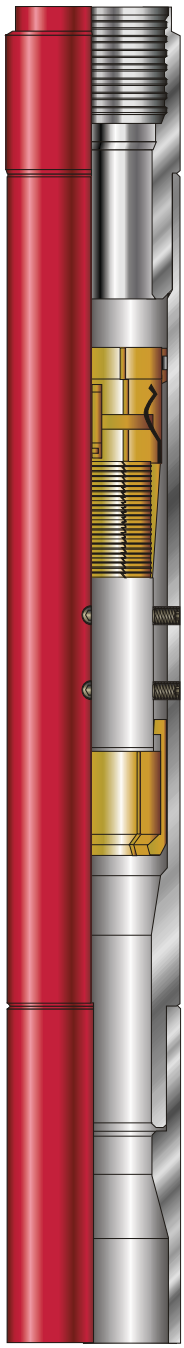
Cutting Overshot



The cutting overshot retrieves and cuts, if necessary, coiled tubing that has been parted, stuck, or abandoned in the wellbore.

The overshot and extensions, attached to a fishing string, are lowered to the top of the fish and then swallowed over to the intended depth. If it becomes necessary, a cut is initiated by picking up the work string, engaging the catch grapple, shearing the shear screws, and activating the cutting grapple. This action forces the cutting grapple into the fish, cutting the target in two, and leaving a clean top for subsequent fishing attempts.

The cutting overshot, with an extension when run with coiled tubing, must reach a point on the coiled-tubing fish below a necked-down or damaged area at the top of the fish to enable proper engagement. The top of the target may have to be dressed before running the overshot. If the fish can be moved, the fish is retrieved in one run. If the fish cannot be moved, then a controlled overpull activates the cutting mechanism and performs a clean cut to release. The result is an optimal fishing neck looking up for subsequent fishing attempts and no need for additional runs to dress.

Applications

The overshot can be used for the retrieval and cutting of coiled-tubing strings that have been lost or left downhole.

Features, Advantages and Benefits

- The cutting overshot has an incorporated, straight pull-release function that does not require rotation or circulation, providing an efficient internal diameter and less friction to better swallow over long sections of continuous tubing.
- The cutting overshot enables long lengths of coiled-tubing fish to be swallowed and captured inside the workstring or extensions, and then cut and retrieved, reducing the number of fishing trips needed to clear the wellbore.
- The easy release of the straight pull-release function provides a safe operation, enhancing overall rig safety.

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Specifications

OD (in./*mm*)	ID (in./*mm*)	Length (in./*mm*)	Maximum Coil Size (in./*mm*)	Description
2.063 *52.40*	1.313 *33.35*	23.50 *596.90*	1.25 *31.75*	2.063-in. CT cutting overshot
2.500 *63.50*	1.563 *39.70*	35.80 *909.32*	1.50 *38.10*	2.500-in. CT cutting overshot
2.700 *68.58*	1.813 *46.05*	39.00 *990.60*	1.75 *44.45*	2.700-in. CT cutting overshot
3.375 *85.70*	2.130 *54.10*	34.80 *883.90*	2.00 *50.80*	3.375-in. CT cutting overshot

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