

## Releasing & Reversing Overshot



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AEI's Type DLT-T Releasable Reversing Overshot is a new fishing tool that offers several advantages similar to overshots, box taps, and other tools. Its unique features include the ability to unscrew and retrieve stuck fish, releasing fish down the hole if necessary, and using washing fluid circulation as one of the accessory functions for reversing tools. This tool is commonly utilized in well-servicing.

### Application:

The Type DLT-T Releasable Reversing Overshot consists of various components such as the top sub, spring, bowl, retaining seat, slip, control key, seal ring, seal seat, guide, and more. The top sub's upper end connects to other tools and the drill tool, whereas the lower end connects to the bowl, which contains a spring inside. The upper end of the bowl's inner wall includes three control keys used to regulate the retaining seat's position. These keys are separately inserted into three grooves in the tapered interior section of the bowl's lower end, where they transmit torque and produce a pinch force against the slip. The slip is triggered by force and initiates the fishing operation.

The inclined angle among the three control keys plays an important role in retaining the conformance of the slip with the bowl to ensure that the tools can be easily released from the fish. The retaining seat is positioned at the upper end of the external bowl where the three keys are located. It can slide axially and rotate around the axial line as it moves with the slip, which is installed in the internal circular recess.

Model	O.D. (mm)	Max. Fishing Size (mm)	Allowed Pull (KN)	Releasing Pull & Allowed Torque		Connection (Box LH)
				Pull (KN)	Torque (N.m)	
DLT-T95×48	95	48.3	250	120	3100	2 7/8 REG
DLT-T105×60	105	63.5	350	150	5750	NC31
DLT-T114×73	114	78.6	420	180	7750	NC31
DLT-T134×89	134	93.2	500	180	10250	NC38
DLT-T145×102	145	101.6	700	200	11050	NC38
DLT-T160×114	160	114.3	900	200	12150	NC38
DLT-T185×127	185	127	1200	240	13500	NC50
DLT-T200×140	200	139.7	1500	240	15300	NC50



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**Releasing and Reversing Overshot connection RH**

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