

Coiled Tubing Releasable Spear



RELEASE FROM STUCK FISH

UNIQUE GRAPPLE DESIGN

LARGE RANGE OF GRAPPLE SIZES

Description

The DTI Coiled Tubing Releasable Spear is used for fishing downhole tools or parts of broken tools without a fish neck that have been lost in the well tubing. To tool includes a flow activated release mechanism to facilitate the release from a stuck fish.

The DTI Coiled Tubing Releasable Overshot includes uniquely designed hardened grapple slips arranged on a tapered mandrel. Once the grapple slips are engaged on the bore of the fish, upward jarring will make the teeth bite and hold fast.

Release is achieved by increasing CT flow/pressure to operate a piston which disengages the tapered bowl from the grapple slips.

A range of grapple sizes is available for each Releasable Spear size which cover a range of fish sizes from 1.000" to 7.000".

To enable centralisation and guiding the fish into the grapple bell guide skirts are also available.

Features & Benefits

- Unique grapple design to increase strength and grip on fish.
- Large range of grapple sizes available.
- Grapple teeth hardened to bite effectively into Inconel fish.
- Slim clearance and long reach versions available.

Part Number	Size	Body Diameter	Standard Grapple Size	Catch Range	Thread
FS169AA08	1.50"	1.688"	1.125"	1.000" – 1.750"	1.00 AMMT
FS200AA08	2.00"	1.812"	1.500"	1.125" – 2.375"	1.00 AMMT
FS250AA09	2.50"	2.250"	2.125"	1.875" – 3.000"	1.50 AMMT
FS300AA23	3.00"	2.730"	2.375"	2.375" – 3.500"	2.38 PAC
FS350AA23	3.50"	3.110"	2.750"	2.750" – 3.875"	2.38 PAC
FS400AA23	4.00"	3.625"	3.250"	3.125" – 4.375"	2.38 PAC
FS700AA23	7.00"	5.830"	5.500"	4.875" – 7.000"	2.38 PAC

We offer optional equipment, alternative sizes, materials and thread connections. The spears are supplied with standard slip sizes as listed above. If other slip sizes are required, please specify.

Slimline versions of some spears are available.

Please contact us for more information.



Internal Grapple Slips Data

Tool Size	1 ½"	2"	2 1/2"	3"	3 1/2"	4"
Size Range	1" – 1 1/8"	1 1/8" - 1 1/4 "	1 3/4" - 1 7/8 "	2 1/4" - 2 3/8 "	2 5/8" - 2 3/4"	3 1/8" - 3 1/4 "
Part No.	17i-113	20i-125	25i-187	30i-238	35i-275	40i-325
Size Range	1 1/8" – 1 1/4"	1 1/4" - 1 3/8 "	1 7/8" - 2"	2 3/8" - 2 1/2 "	2 3/4" - 2 7/8 "	3 1/4" - 3 3/8 "
Part No.	17i-125	20i-138	25i-200	30i-250	35i-287	40i-338
Size Range	1 1/4" – 1 3/8"	1 3/8" - 1 1/2 "	2" - 2 1/8 "	2 1/2" - 2 5/8 "	2 7/8" - 3"	3 3/8" - 3 1/2 "
Part No.	17i-138	20i-150	25i-212	30i-262	35i-300	40i-350
Size Range	1 3/8" – 1 ½"	1 1/2" - 1 5/8 "	2 1/8" - 2 1/4 "	2 5/8" - 2 3/4 "	3" - 3 1/8 "	3 1/2" - 3 5/8 "
Part No.	17i-150	20i-162	25i-225	30i-275	35i-312	40i-362
Size Range	1 ½" – 1 5/8"	1 5/8" - 1 3/4 "	2 1/4" - 2 3/8 "	2 3/4" - 2 7/8 "	3 1/8" - 3 1/4 "	3 5/8" - 3 3/4 "
Part No.	17i-162	20i-175	25i-238	30i-287	35i-325	40i-375
Size Range	1 5/8" – 1 ¾"	1 3/4" - 1 7/8 "	2 3/8" - 2 1/2 "	2 7/8" - 3"	3 1/4" - 3 3/8 "	3 3/4" - 3 7/8 "
Part No.	17i-175	20i-187	25i-250	30i-300	35i-338	40i-387
Size Range		1 7/8" - 2"	2 1/2" - 2 5/8 "	3" - 3 1/8 "	3 3/8" - 3 1/2 "	3 7/8" - 4"
Part No.		20i-200	25i-262	30i-312	35i-350	40i-400
Size Range		2" - 2 1/8 "	2 5/8" - 2 3/4 "	3 1/8" - 3 1/4 "	3 1/2" - 3 5/8 "	4" - 4 1/8 "
Part No.		20i-212	25i-275	30i-325	35i-362	40i-412
Size Range		2 1/8" - 2 1/4 "	2 3/4" - 2 7/8 "	3 1/4" - 3 3/8 "	3 5/8" - 3 3/4 "	4 1/8" - 4 1/4 "
Part No.		20i-225	25i-287	30i-338	35i-375	40i-425
Size Range		2 1/4" - 2 3/8 "	2 7/8" - 3"	3 3/8" - 3 1/2 "	3 3/4" - 3 7/8 "	4 1/4" - 4 3/8 "
Part No.		20i-238	25i-300	30i-350	35i-387	40i-438