

Flow Activated Releasable Overshots

Technical Specifications

Nominal Size	Maximum O.D.	Min I.D. (without choke)	Tensile Strength (Std Service)	Make-Up Length	Standard Slips Supplied	Tool Activation Pressure (psi)
2"	1.850"	0.250"	41,000lbs	19.800"	15/16" to 1 1/16"	650
2 1/2"	2.125"	0.390"	68,000lbs	19.830"	1 7/16" to 1 9/16"	650
2 1/2"	2.250"	0.390"	92,000lbs	20.185"	1 7/16" to 1 9/16"	650
3"	2.625"	0.390"	82,000lbs	20.850"	1 7/16" to 2 1/16"	1100
3 1/2"	3.250"	0.390"	167,000lbs	20.500"	2" to 2 3/16"	900
4"	3.800"	0.390"	191,000lbs	21.045"	2 3/8" to 2 5/8"	900



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FLOW ACTIVATED RELEASABLE OVERSHOT

The Flow Activated Releasable Overshot is a variable catch external overshot used to retrieve a lost cylindrical fish from the well bore.

The Flow Activated Releasable Overshot operates in the same way as a standard non-releasable overshot. The tool is run in hole until it latches on the fish and butts out. Pulling up will cause the slips to set into the fish.

Should the fish be irretrievable, the tool can be released from the fish by flow activation and returned to surface.

The Flow Activated Releasable Overshot can be used to fish lost or broken tubing, coil and also coiled tubing tools that have backed off down hole.

The Flow Activated Releasable Overshot can be supplied to overshoot and seal onto a specific fish in order to form a pressure tight seal. This is of importance if there is a flow activated tool beneath the fish that requires operation before the fish can be retrieved.

The Flow Activated Releasable Overshot is also available with 'pack-off' 'o' rings, please contact NOV for more details.

A complete range of hardened and double tempered slips are available for each size tool. See table for slip and catch size details.

Features/Benefits

- Internal hammer action assists release
- Flow or drop ball activated
- Hardened & double tempered slips
- Robust construction
- Variable slips sizes for each tool
- Optional bell guides available

When ordering Flow Activated Releasable Overshots please specify:

- Size
- Thread connection
- Additional Slips Required

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 **NATIONAL OILWELL VARCO**

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Flow Activated Releasable Overshot Slips Table

Nominal Size	2"	2½"	3"	3½"	4"
Actual O.D.	1.850"	2.250"	2.625"	3.250"	3.800"
Nominal Slip Size	Catch Range (Part Number)	Catch Range (Part Number)	Catch Range (Part Number)	Catch Range (Part Number)	Catch Range (Part Number)
½"	7/16" to 9/16" (00-16024)	7/16" to 9/16" (00-16032)	3/8" to 9/16" (00-16038)	-	3/8" to 5/8" (00-16042)
5/8"	9/16" to 1¼" (00-16025)	9/16" to 1¼" (00-16033)	9/16" to ¾" (00-16039)	½" to 1¼" (00-17491)	-
¾"	1¼" to 1½" (00-16026)	1¼" to 1½" (00-16034)	-	1¼" to 7/8" (00-17492)	5/8" to 7/8" (00-16043)
7/8"	1¾" to 1½" (00-16027)	1¾" to 1½" (00-16047)	¾" to 1½" (00-16040)	-	-
1"	1½" to 1¼" (00-13769)	1½" to 1¼" (00-16035)	1½" to 1½" (00-16041)	7/8" to 1¼" (00-17493)	7/8" to 1½" (00-16044)
1⅛"	1¼" to 1¾" (00-16028)	1¼" to 1¾" (00-16036)	-	1¼" to 1¼" (00-17494)	-
1¼"	1¾" to 1½" (00-16029)	1¾" to 1½" (00-16048)	1½" to 1½" (00-13807)	-	1½" to 1¾" (00-16045)
1⅜"	1½" to 1¾" (00-16030)	1½" to 1¾" (00-16049)	1½" to 1½" (00-13806)	1¼" to 1¾" (00-17495)	-
1½"	1¾" to 1¾" (00-16031)	1¾" to 1¾" (00-13764)	-	1¾" to 1½" (00-17496)	1¾" to 1½" (00-13198)
1⅝"	-	1¾" to 1½" (00-16050)	1½" to 1½" (00-13805)	-	-
1¾"	-	1½" to 1¾" (00-16037)	1½" to 1½" (00-13804)	1½" to 1¾" (00-17497)	1½" to 1½" (00-13195)
1⅞"	-	-	-	1¾" to 2" (00-17498)	-
2"	-	-	1½" to 2½" (00-13799)	2" to 2¾" (00-16582)	1½" to 2½" (00-13196)
2¼"	-	-	-	2½" to 2½" (00-17499)	2½" to 2¾" (00-13197)
2½"	-	-	-	-	2¾" to 2½" (00-13765)
2¾"	-	-	-	-	2½" to 2½" (00-16046)

Sizes highlighted indicate Overshot Slip standard fitment



Typical Flow Activated Releasable Overshot Slips

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