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PIONEER SLIP TYPE RELEASING SPEAR

The Pioneer Slip Type Releasing Spear is designed to give maximum grip surface area and therefore the maximum pulling loads possible. A further advantage is that this design virtually eliminates the danger of distorting the fish when engaging as the slips in their engaged position present almost a full circle.

To operate, connect the spear to the fishing string and set in the running position: slips retracted and lugs engaged. Lower the fishing string slowly until the safety ring engages the fish and enters to the required depth. Rotate at least 1/4 turn to the left and slowly elevate the string to force the slips outwards to engage the I.D. of the fish. Continue elevating to retrieve the fish.

To release the fish, bump down and rotate at least 1/4 turn to the right. This action will retract the slips to clear the fish.



Slip Type Releasing Spear

When time is of the essence, Pioneer delivers

DIMENSIONAL DATA

Drill Pipe and Tubing Spears

Assembly No.	FS 0238D	FS 0238T	FS 0288D	FS 0288T	FS 0350D
OD Smallest - Slips retracted	1.11/16"	1.29/32"	2"	2.5/16"	2.7/16"
Expansion Slips over Safety Ring	11/32"	11/32"	3/8"	3/8"	13/32"
Slip engagement area - (Sq. In)	55	59	74	87	95
Weight – (Lbs)	32	40	55	60	71
Nominal Catching Range	2.3/8" DP	2.3/8" TBG	2.7/8" DP	2.7/8" TBG	3.1/2" DP
Assembly No.	FS 0350T	FS 0400D	FS 0400T	FS 0450D	FS 0550D
OD Smallest - Slips retracted	2.13/16"	3.3/32"	3.5/16"	3.15/32"	4.1/2"
Expansion Slips over Safety Ring	13/32"	15/32"	15/32"	1/2"	9/16"
Slip engagement area - (Sq. In)	115	126	135	178	265
Weight – (Lbs)	92	107	127	180	270
Nominal Catching Range	3.1/2" TBG	4" DP	4" TBG	4.1/2" DP or TBG	5.1/2" + 5.9/16" DP

Casing Spears

Assembly No.	FS 0450C	FS 0500C	FS 0550C	FS 0600C	FS 0663C	FS 0700C
OD Smallest - Slips retracted	3.25/32"	4"	4.1/2"	5.1/16"	5.1/2"	5.3/4"
Expansion Slips over Safety Ring	1/2"	1/2"	9/16"	9/16"	5/8"	5/8"
Slip engagement area - (Sq. In)	210	217	265	315	350	365
Weight – (Lbs)	132	169	226	283	358	398
Nominal Catching Range	4.1/2", 4.3/4" + 5"	5"	5.1/2"	6"	6.5/8"	7"
Assembly No.	FS 0763C	FS 0863C	FS 0963C	FS 1075C	FS 1175C	FS 1338C
OD Smallest - Slips retracted	6.7/16"	7.1/4"	8.3/16"	9.1/2"	10.9/16"	12"
Expansion Slips over Safety Ring	5/8"	11/16"	3/4"	13/16"	13/16"	13/16"
Slip engagement area - (Sq. In)	430	485	580	690	785	890
Weight – (Lbs)	502	652	833	1240	1552	2017
Nominal Catching Range	7.5/8"	8.5/8" + 9"	9.5/8" + 10"	10.3/4"	11.3/4" + 12"	13" + 13.3/8"

To order, please specify: -

- a. Name and number of the item.
- b. Size and type of the top connection.
- c. Size and weight of pipe to be caught.

Recommended spare parts: -

- a. 2 sets of Slips for each size of fish.
- b. 1 Unitizer & 2 Friction Retainers. ◇
- *or* -
2 Friction Block assemblies. *
- c. 1 Stop.
- d. 1 Safety Ring for each size of fish.

- ◇ up to 3 1/2 " Tubing Spear
* 4 1/2 " D.P. upwards

As the policy of Pioneer Oil Tools is one of continual product improvement
we reserve the right to change designs or specifications without notice.