

FLOW RELEASE SPEAR – SLICK CATCH



Tool Size	Orifice Nozzle
1.78"	Blank, 0.125, 0.187, 0.218
2.18"	Blank, 0.125, 0.187, 0.218, 0.250, 0.281
2.72"	
3.60"	

TOOL APPLICATIONS

The Flow Release Spear provides a method of engaging and recovering tubulars or other types of equipment with a known internal Diameter (ID).

It can also be used where standard internal fishing profiles have become damaged preventing the use of standard pulling tools.

Should the fish be unable to be recovered, the tool has a flow release mechanism. To release the tool from the fish, set down weight, while circulating at the predetermined flow rate. Flow through the tools' adjustable orifice creates the back-pressure required to move the grapple into the release position. The internal spring returns the grapple to the engaged position when flow through the tool is stopped.

The tool can be functioned as many times as required.

The Flow Release Spear's adjustable orifice is easily changed to adjust the activation flow rate and pressure to suit each application. Flow through the tool can also be used to wash debris from above or inside the fish, prior to engaging.

The tool has interchangeable collet grapples that can be selected for the specific fish ID.

FEATURES AND BENEFITS

- Interchangeable slips
- Interchangeable orifice nozzles available
- No shear pin required, offering unlimited tool functions
- Simplistic, ergonomic design for rapid redress
- Simple, robust design ensuring ease of operation
- Hexagonal flats for safe make-up & break-out
- 'J' Slot feature for simple release at surface
- Adjustable reach sleeve to alter fish engagement point

SPECIFICATIONS

Technical Variable		Units	Size			
			1.78"	2.18"	2.72"	3.60"
Max OD		in	1.780	2.180	2.720	3.600
Min ID		in	0.250	0.312	0.312	0.500
Top	Box		1" AMMT	1 ½" AMMT	1 ½" AMMT	2 ¾" PAC DSI
Make Up Length		in	20.72	22.09	22.97	23.40
Collet Range	Min	in	1.062	1.250	1.625	2.062
	Max	In	1.562	1.937	2.687	3.437
Activation Pressure		psi	443	528	319	336
Working Pressure		psi	10,000	10,000	10,000	10,000
Strength	SWL	lbs	38,610	65,098	100,240	166,560
	Yield	lbs	42,900	72,331	111,380	185,080
	UTS	lbs	46,200	77,895	136,690	227,140
Make Up Torque		ft.lbs	500	900	871	2,797