

FLOW RELEASE OVERSHOT

APPLICATION

- Standard fishing operations
- Heavy duty fishing operations
- Jetting and pick up operations

FEATURES

- Flow activated
- Enclosed spring design
- Multi-function operation
- Fully adjustable activation pressure
- Easily redressed
- Compact and rugged design
- Interchangeable grapples

ADDITIONAL INFORMATION

- All tools are supplied with Viton o-rings and music wire springs. Other options available on request.
- Larger diameter, fluted grapple housings are available for large bore operations.
- Tools are manufactured from mild steel as standard. Other materials are available on request.
- Bespoke designs available to suit specific diameters and job specific applications

The WellEnTech Flow-Release Overshot is a device for locating, engaging and pulling slick tool OD's and tubulars. The grapple can be functioned either mechanically or hydraulically in order to engage the fish and a strong spring ensures the grapple is fully supported when located on the fish. Flow through the tool and a pull load disengages the tool from the fish.

TECHNICAL SPECIFICATION

OD (Inches)	Length (Inches)	Connection	Activation Pressure (psi)	Catch range (Inches)	Tensile Strength (lbs)	Service	Assembly No.	Redress kit No.
1.750	18.75	1-1/4"AMMT Box	250	0.438 to 1.250	62,000	H2S	190-1750-A001	190-1750-R001
					45,300	Std.	190-1750-A002	190-1750-R002
2.250	19.50	1-1/2"AMMT Box	250	1.250 to 1.750	66,000	H2S	190-2250-A001	190-2250-R001
					48,000	Std.	190-2250-A002	190-2250-R002
2.875	21.00	2-3/8"PAC Box	150	1.500 to 2.250	110,100	H2S	190-2875-A001	190-2875-R001
					81,000	Std.	190-2875-A002	190-2875-R002
3.500	24	2-3/8"PAC Box	150	1.500 to 2.500	118,000	H2S	190-3500-A001	190-3500-R001
					85,900	Std.	190-3500-A002	190-3500-R002
4.000	24.00	2-3/8"PAC Box	100	2.000 to 3.125	263,600	H2S	190-4000-A001	190-4000-R001
					191,700	Std.	190-4000-A002	190-4000-R002
4.750	24.00	2-3/8"PAC Box	100	2.875 to 3.625	263,600	H2S	190-4750-A001	190-4750-R001
					191,700	Std.	190-4750-A002	190-4750-R002

OPERATION

To mechanically function the tool, an axial downward load (in excess of the spring force) enables the grapple to automatically engage the fish. The spring then pushes the grapple back to the supported position, and an applied axial load causes the grapple to bite into the fish, this over pull will verify engagement with the fish.

To release, fluid flow through a nozzle fitted to the nose of the stem creates an internal pressure which pumps the grapple back to the de-supported position enabling the grapple to be pulled free from the fish. The pressure at which activation occurs is adjusted by simply changing out the nozzle orifice dia.

