

XFR PULLING TOOL

APPLICATIONS

- 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.
- Interchangeable Grapples enable each tool size to catch a range of fishing necks.
- 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 eXternal Flow-Release (XFR) Pulling Tool is a device for locating, engaging and retrieving tools with standard external fishing necks. 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)	Nominal External Fishing Neck Size	Tensile Strength (lbs)	Service	Assembly No.	Redress kit No.
1.625	11.80	1"AMMT Box	250	1.000 & 1.188	37,600	Std.	172-1625-A001	172-1625-R001
					27,400	H2S	172-1625-A002	172-1625-R002
1.813	11.80	1"AMMT Box	150	1.000, 1.188 & 1.375	43,000	Std.	172-1813-A001	172-1813-R001
					31,300	H2S	172-1813-A002	172-1813-R002
2.00	11.80	1-1/2"AMMT Box	150	1.000, 1.188 & 1.375	80,900	Std.	172-2000-A001	172-2000-R001
					58,900	H2S	172-2000-A002	172-2000-R002
2.125	11.80	1-1/2"AMMT Box	150	1.000, 1.188 & 1.375	80,900	Std.	172-2125-A001	172-2125-R001
					58,900	H2S	172-2125-A002	172-2125-R002
2.500	15.13	1-1/2"AMMT Box	100	1.375 & 1.750	108,500	Std.	172-2500-A001	172-2500-R001
					78,900	H2S	172-2500-A002	172-2500-R002
3.000	15.31	2-3/8"PAC Box	100	2.313	91,900	Std.	172-3000-A001	172-3000-R001
					66,900	H2S	172-3000-A002	172-3000-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 become supported by the Main Body. 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.

