

## FLO-RELEASE SPEAR

The **LiMAR**<sup>®</sup> Flo-Release Spear is designed to engage and recover items with missing or damaged internal fish necks.

The Flo-Release Spear is operated by setting down weight to engage the fish. If the device cannot be recovered the Spear can be released by setting down weight and increasing the coil flow rate to activate the core piston and allow the Spear to disengage from the fish.

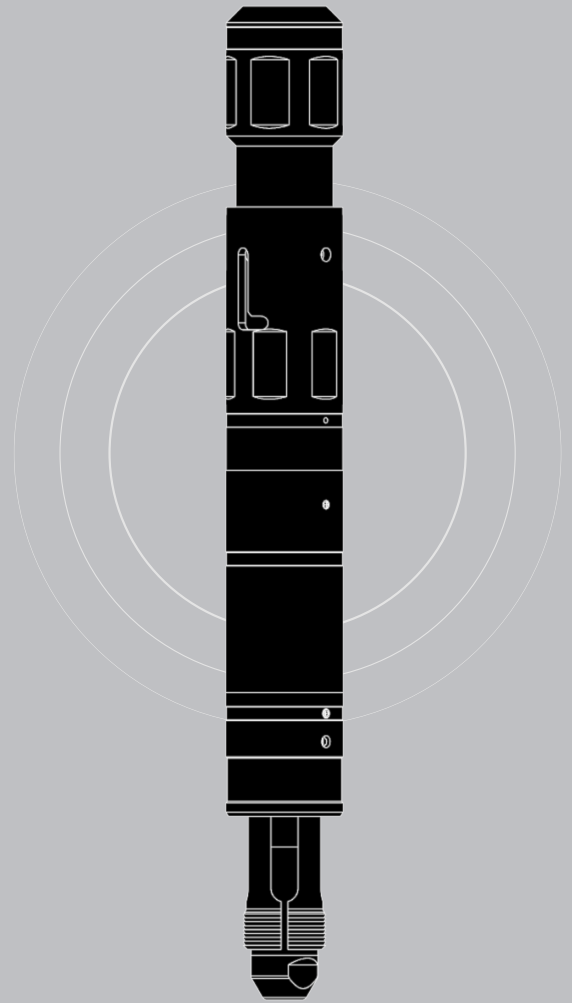
Incrementally sized slips can be selected to suit the inside diameter of the fish whilst the adjustable sleeve feature of the Sleeve can be altered to suit the reach required to engage the fish.

**TOOL APPLICATIONS:**

- Recovery of items with damaged or missing internal fish necks

**DESIGN FEATURES & BENEFITS:**

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



**TECHNICAL DATA**

Assembly Part No.	Minimum OD	Slip Range	Make up Length
115-1780-XXX-RX	1.780"	1.062" - 1.562"	23.27"
115-2180-XXX-RX	2.180"	1.250" - 1.937"	22.09"
115-2720-XXX-RX	2.720"	1.625" - 2.687"	22.97"
115-3500-XXX-RX	3.500"	2.062" - 3.437"	23.39"
115-4125-XXX-RX	4.125"	4.1" - 5.67"	23.39"
115-4500-XXX-RX	4.500"	3.500" - 4.375"	23.39"

XXX - Last 3 digits of part number denotes connection type - Please refer to the connection code data sheet. For additional sizes or further information please contact [sales@limaroiltools.com](mailto:sales@limaroiltools.com)