



## SD PULLING TOOL

The rapidly re-dressable **LiMAR®** SD (Shear Down) Pulling Tool is designed for the setting and retrieval of down hole items fitted with external type fish necks.

With the availability of a selection of cores, the SD Pulling Tool will engage and release against most industry standard fish necks with a jar down to release function.

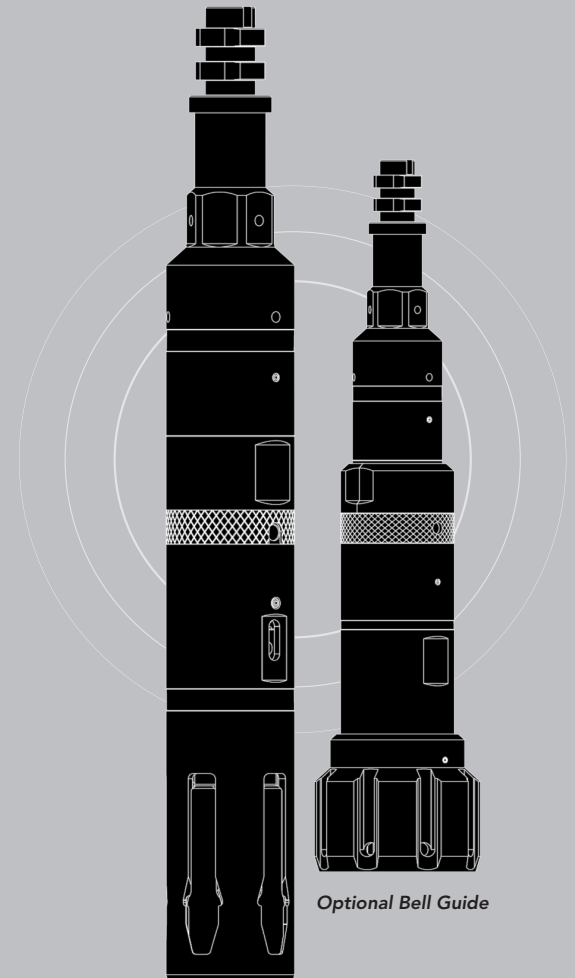
The OD of the SD Pulling Tool has been specifically designed to pass through the majority of No-Go nipple profiles whilst being able to maintain maximum strength through the assembly.

**TOOL APPLICATIONS:**

- Setting and retrieval of items with external type fish necks

**DESIGN FEATURES & BENEFITS:**

- Minimal components including one piece collet design
- No requirement for pawls or small, hard-to-install parts
- Simplistic, ergonomic design for rapid redress
- Positive release mechanism for clean deployment and release
- LiMAR Arm-Align feature for quick and easy shear pin alignment
- Specified cores supplied to suit all industry standard reaches
- Slim running OD without compromising strength
- Optional LiMAR® Multi-Action Shear Sub available for multiple, sequential shear direction options;
  - Shear Down
  - Shear Up
  - Jar-down indefinitely, jar-up indefinitely, Shear Down
- Optional LiMAR Bell Guide Housings available
- Available in a range of sizes for various operational applications
- Connection options to suit customer requirements
- Simple, robust design ensuring ease of operation for the end user
- Selected components QPO treated
- Hexagonal flats for safe make-up & break-out



**TECHNICAL DATA**

| Assembly Part No.   | Actual OD | Fish Neck | Connection | To Engage Fish Neck | Make up Length | Reach B / S / J       |
|---------------------|-----------|-----------|------------|---------------------|----------------|-----------------------|
| 7105-1500-SX-XXX-RX | 1.625"    | Optional  | Optional   | 1.187"              | 17.00"         | 1.26" / 1.80" / 2.55" |
| 7105-2000-SX-XXX-RX | 1.765"    | Optional  | Optional   | 1.375"              | 18.25"         | 1.22" / 1.98" / 2.55" |
| 7105-2500-SX-XXX-RX | 2.180"    | Optional  | Optional   | 1.750"              | 19.48"         | 1.20" / 1.98" / 2.55" |
| 7105-3000-SX-XXX-RX | 2.720"    | Optional  | Optional   | 2.313"              | 20.77"         | 1.30" / 2.19" / 2.61" |
| 7105-3500-SX-XXX-RX | 3.115"    | Optional  | Optional   | 2.750"              | 20.77"         | 1.35" / 2.10" / 2.60" |
| 7105-4000-SX-XXX-RX | 3.600"    | Optional  | Optional   | 3.120"              | 20.77"         | 1.49" / 2.16" / 2.00" |

SX - Denotes shear down with reach (SB - Long Core, Short Reach. SS - Intermediate Core, Medium Reach. SJ - Short Core, Long Reach.)  
 XXX - Last 3 digits of part number denotes connection type  
 For additional sizes or further information please contact [sales@limaroiltools.com](mailto:sales@limaroiltools.com)