



## ARM-ALIGN GS PULLING TOOL

The **LiMAR**<sup>®</sup> Arm-Align<sup>®</sup> GS Pulling Tool is designed for the setting and retrieval of items with “Otis” type internal fish neck profiles.

Downward jarring will shear a pin to allow the release and recovery of the GS to surface.

The LiMAR<sup>®</sup> Arm-Align<sup>®</sup> GS Pulling Tool incorporates several unique features compared to most industry standard GS type pulling tools.

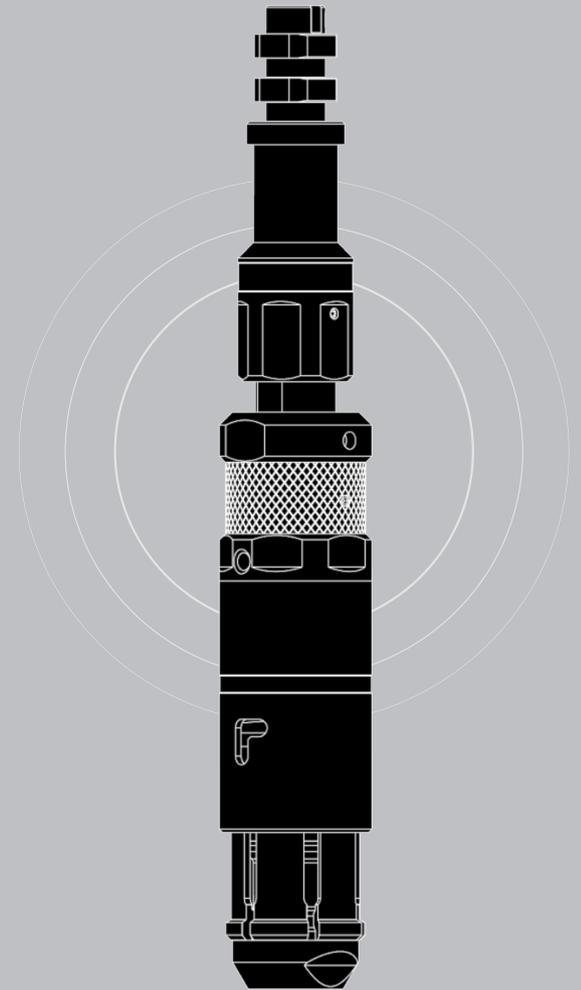
These features include the unique Arm-Align<sup>®</sup> feature for integral re-arming and shear pin alignment. The design also includes a positive disengagement mechanism to remove the GS from tools at surface without compromising the strength of the GS skirt.

**TOOL APPLICATIONS:**

- Setting and retrieval of items with internal "Otis" type fish necks

**DESIGN FEATURES & BENEFITS:**

- Supplied in industry standard GS OD's
- Threaded core to suit industry standard running / pulling accessories
- Simplistic, ergonomic design for rapid redress
- Optional LiMAR GU Adapter available to convert GS to GR
- 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
- "J" Slot feature for simple release at surface
- LiMAR Arm-Align feature for integral re-arming and shear pin alignment
- 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



**TECHNICAL DATA**

Assembly Part No.	Nominal OD	Actual OD	Fish Neck	Connection	To Engage Fish Neck
7091-1500-XXX-RX	1-1/2"	1.460"	1.187"	Optional	1.060"
7091-2000-XXX-RX	2"	1.780"	Optional	Optional	1.380"
7091-2500-XXX-RX	2-1/2"	2.220"	Optional	Optional	1.810"
7091-3000-XXX-RX	3"	2.720"	Optional	Optional	2.310"
7091-3500-XXX-RX	3-1/2"	3.100"	Optional	Optional	2.620"
7091-4000-XXX-RX	4"	3.600"	Optional	Optional	3.120"
7091-5000-XXX-RX	5"	4.500"	Optional	Optional	4.000"
7091-6000-XXX-RX	6"	5.600"	Optional	Optional	4.750"
7091-7000-XXX-RX	7"	5.820"	Optional	Optional	5.000"

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)