

Logan HE Packer Retriever Spear

USE: The Logan HE Packer Retriever Spear is designed for the removal of drillable full bore packers from the well casing. If necessary, and the tool is appropriately dressed, it will mill through the packer. Once through the packer, it will remain in the proper catching position at all times to engage the lower end of the packer.

FEATURES: Only three parts, Top Coupling, Mandrel and Slip, make up the PRS Spear. A Bull Plug is offered as optional equipment and can be dressed with tungsten carbide to mill through the packer if necessary.

OPERATION: The PRS Spear, dressed with the proper size slip for the bore of the packer, is made up on sufficient extensions to allow the spear to clear the packer below before the tungsten carbide shoe makes its initial contact. As the spear enters the bore of the packer, the slip is forced up and in an area where the O.D. is reduced enough to allow passage through the packer. As the slip clears the packer downward, it automatically drops in catch position. The tool is releasable with right-hand control of the drill pipe. It can be re-engaged in the packer by merely lowering through the packer again.

After the packer has been milled over, it can now be retrieved with the PRS Spear. The tool will not prematurely release the packer under conditions of severe upward strain, or of sudden movement of the packer.

Logan HE Packer Retriever Spear Specifications

Nominal size (inches)	1/1/2004	1/13/2016	2	2-1/2	3
Tool O.D.	1-3116	1-314	2-318	2-314	3/1/2002
Tool I.D.	4-Jan	318	318	518	314
Standard tool joint	Optional	1-13116	1-1/4	2-318	2-318
		WFJ-OS	API Reg.	WFJ	API Reg.
Complete assembly Part No.	14079	14080	14081	14082	14083

* Complete assembly includes smallest catch slip available.

When ordering larger sizes please specify:

1. Slip catch size desired
2. Make & Model Of Packer to be caught
3. ID Of Packer to be caught
4. Box and pin connection must be specified on Assembly 14079.
5. Non-standard threads on other assemblies must be specified.

Recommended spare parts:

One slip for each catch size.

