

Auto Release Firing Head

The LRI Auto Release Firing Head allows the operator to safely and reliably detonate a perforating assembly while simultaneously releasing it to fall into the well. Modular in design, the head can be equipped with a mechanical or pressure activated top.

This tool can eliminate the need for a separate tubing release in the tubing string. This results in lower operation cost by eliminating the need for a separate wireline run to shift a latch after release. The length of the assembly dropped into the well is also greatly reduced.

The tool operates by using the explosive energy from the short length of detonating cord contained in the tool to shift a latch which allows the main body of the tool to fall away.

Features:

- Designed and tested to operate reliably using only the explosives loaded in the firing head. Even under maximum tensile load.
- Firing mechanism is modular, the head can be equipped with a mechanical or a pressure activated top.
- All moving parts are designed to have low inertia and short travel distances. This minimizes the explosive energy required to operate the tool which results in reliable operation.
- Utilizes the same pre-stressed fingers as other LRI release tools to ensure operation with light weight perforating assemblies.
- After release, the tubing bore is not restricted. All that remains is a well tapered profile for re-entry if necessary.
- An option Drop Bar Catch Tube can be supplied with the mechanical version. This tube contains the drop bar on top of the perforating string after release.



Specifications:

	2-3/8"		2-7/8"	
Overall Length	16.3"*	414.4 mm*	16.4"*	417.4 mm*
OD	3.375"	85.7 mm	3.668"	93.2 mm
ID After Release	1.995"	50.7 mm	2.441"	62 mm
Temperature Rating	204° with standard viton seal			
Pressure Rating	10,000 psi	68.9 MPa	10,000 psi	68.9 MPa
Tensile Strength	68,000 #	30,844 kg	68,000 #	30,844 kg
Connections	2-3/8 EUE box up, GO box down		2-7/8 EUE box up, GO box down	
Material	4140 HTSR			
*Length without optional catch tube.				

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