

# CASING PATCH

*Other name : Lead Seal Casing Patch, Packer Type Casing Patch*

## DESCRIPTION

The Casing Patch is used to repair damaged tubing or casing strings. It makes the junction between a replacement section and the rest of string in the hole, without removing the entire string of casing. It is designed to form a permanent sealed connection between two strings of tubing or casing and can be cemented.

Impermeability is made with a Lead Seal or a Packer Seal

## USE

### Packer Seal Type Casing Patch

The head of the fish must be cleaned.

Once assembled, the tool can be run in the hole with the drill string to the required depth. Once at the depth, the string must be slowly rotated to the right while smoothly lowering it. When the weight indicator indicates a 15 000 to 20 000 pounds of weight applied on the Casing Patch, it ensures a complete engagement.

Then, pick up the running string to remove the weight from the Casing Patch, while allowing the torque to slack off from the string. Then, check the efficiency of the Packer by circulating the mud. The pressure must gradually increase for the Packer to be smoothly fixed.

To release the Casing Patch : Bump down firmly, until the top of the fish comes against the Top Sub. Then, combine a low elevation of the string and a low rotation to the right until the tool is clear of the fish.

If the engagement or the impermeability of the tool has failed, do not re-engage the tool. It must be pulled out to the surface to reseal the Packer Protector.



## STANDARD SPECIFICATIONS

Casing OD to Patch (in)	5"	6-5/8"	7"	9-5/8"	10-3/4"	13-3/8"
Patch OD	6-1/4"	7-15/16"	8-3/8"	11-1/8"	12-5/16"	15-1/2"

## YOU MAY ALSO BE INTERESTED BY :

- Super Junk Mill
- Bumper Sub
- Pipe Cutter

# CASING PATCH (continue)

## Lead Seal Type Casing Patch

It is particularly well suited for service in wells which contain fluids, gases, or high temperature, which are harmful to synthetic rubber packers.

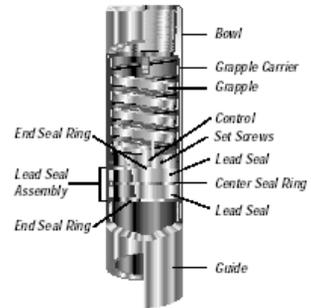
As for Packer Seal type, the head of the fish must be cleaned.

Once assembled, the tool can be run in the hole with the drill string to the required depth. Once at the depth, the string must be slowly rotated to the right while smoothly lowering it. When the weight indicator indicates a 15 000 to 20 000 pounds of weight applied on the Casing Patch, it ensures a complete engagement.

Then, pick up the running string to remove the weight from the Casing Patch, while allowing the torque to slack off from the string. Then, check the efficiency of the Packer by circulating the mud. The pressure must gradually increase for the Packer to be smoothly fixed.

To release the Casing Patch : Bump down firmly, until the top of the fish comes against the Top Sub. Then, combine a low elevation of the string and a low rotation to the right until the tool is clear of the fish.

If the engagement or the permeability of the tool has failed, do not re-engage the tool. It must be pulled out to the surface to reset a lead seal .



## STANDARD SPECIFICATIONS

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Patch OD	6-3/4"	8-5/8"	9-1/8"	11-15/16"	13-5/8"	16-5/8"

## YOU MAY ALSO BE INTERESTED BY :

- Super Junk Mill
- Bumper Sub
- Pipe Cutter