

**MAXIMUS**

Completion Systems



**LINER HANGER SYSTEMS**

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**MAGNUS DRILL WIPER PLUG**

## LINER HANGER SYSTEMS TECHNICAL UNIT

Authored by: RAJAT

TECH UNIT No.	270
MODEL	MDWP
DATE	08/01/2018
REV.	00

## MAGNUS DRILL WIPER PLUG

Approved by: Jogendra Singh

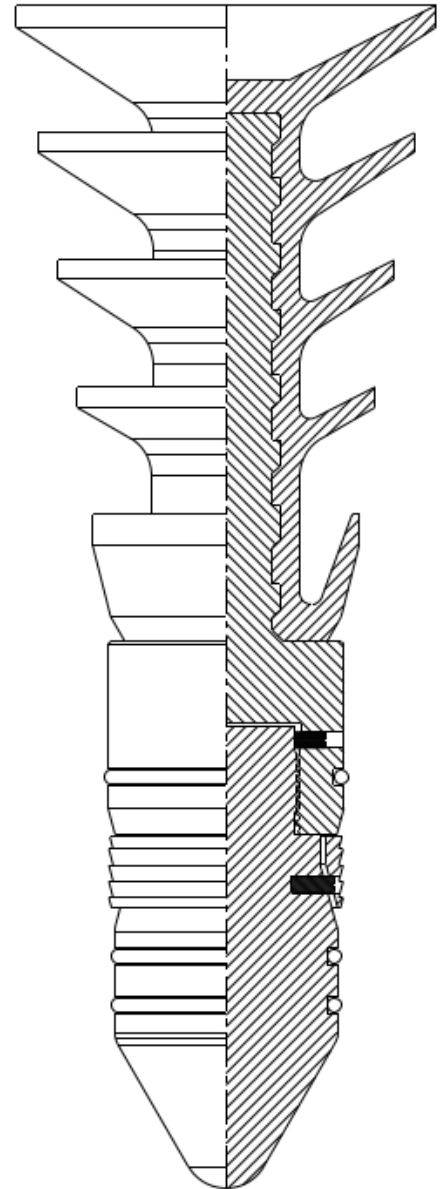
### DESCRIPTION :-

Magnus drill pipe wiper plug (MDWP) is used to wipe the inside of drill pipe and running tools behind the cement, providing a mechanical barrier between the cement and spacer fluid. The MDWP is then used to launch the MDWP liner wiper plug.

The MDWP is launched from the cementing head and is displaced through the drill pipe and running tools by cement. When the MDWP reaches the MDWP at the bottom of the running tool string, the MDWP latches into the plug and seals. Differential pressure across the MDWP launches it. When the MDWP latches into the MDWP, it is rationally looked at by a latch ring.

- Composed entirely of PDC drillable materials (aluminum and NITRILE), the MDWP allows trouble-free drill-out, helping to conserve rig time.
- The latch ring rotationally locks the MDWP to the wiper plug. This feature facilitates drill-out reducing rig time.
- Seal ring provides a positive bi-directional seal with the MDWP.
- when the MDWP latches in, allowing for a positive shear indication.
- When the plug is released and enabling MAGNUS wiper plugs to withstand a high differential pressure when bumped.

Fins and O-rings are made of Nitrile as standard material, which is suitable for most well conditions.



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### APPLICATION:-

- Wiping any drill pipe in conjunction with an MDWP wiper plug.
- Wiping drill pipe before it is pulled out of the hole.

### OPTIONS:-

- Combination plugs are also available on request.
- Nitrile fins and O-rings are standard, other elastomers are available on request.
- Size available : 3-1/2" to 5-1/2", other sizes are available on request.