

MAXIMUS

Completion Systems



LINER HANGER SYSTEMS

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**MAGNUS CASING / LINER
WIPER PLUG**

TECH UNIT No.	283
MODEL	MCLWP
DATE	08/01/2018
REV.	00

LINER HANGER SYSTEMS TECHNICAL UNIT

Authored by: RAJAT

MAGNUS CASING / LINER WIPER PLUG

Approved by: Jogendra Singh

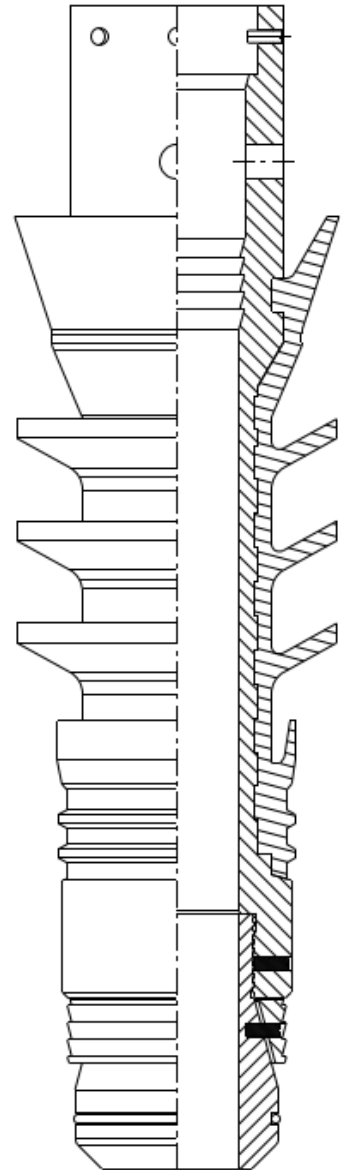
DESCRIPTION & APPLICATION:-

Magnus Casing/liner wiper plug is used to displace cement through the ID of a liner. The MCLWP is compatible with Magnus Hydraulic Landing Collar (MHLC) and Magnus Drillable Landing Collar. It has an extremely good record of displacing cement and bumping in the landing collar and is an ideal choice for any application in which a ball seat in the wiper plug is not required or a dual plug system is not wanted.

The MCLWP is shear-pin to the bottom of running tools. The Drill Pipe Wiper Plug (MDPWP) is released behind the cement. When it reaches the MCLWP, the MDPWP latches and seals into it. Differential pressure across the MCLWP launches it. The MCLWP is displaced through the liner, acting as a mechanical barrier behind the cement. It lands in the landing collar, and pressure can be applied as required.

FEATURES & ADVANTAGES :-

- The One MCLWP can wipe liners of the same size but varying weights. This design provides operational flexibility.
- Several features help simplify or accelerate drill-out, saving rig time.
- Anti-rotation feature prevents the MCLWP and MDPWP from rotating during drill-out of the landing collar.
- The MCLWP is made of aluminum and elastomeric materials, making it PDC drillable.
- The design of the MCLWP is robust. The sturdy body can withstand high bump pressures when it latches in either the (MHLC) or the (MDCL) landing collar.



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OPTION :-

- A specially designed MCLWP can be used to close Magnus hydraulic opening stage tool.
- Nitrile fins and O-rings are standard; other elastomers are available on request.

SIZE AVAILABILITY :

➔ 4-1/2" TO 20".