

PowerMag® II Magnet

COMPACT, HIGH-STRENGTH MAGNET FOR DOWNHOLE DEBRIS COLLECTION

OVERVIEW

The CleanWell® PowerMag® II magnet is a compact version of the proven Halliburton PowerMag magnet, rated as the highest capacity downhole debris magnet on the market.

The PowerMag II magnet includes all the features of the original PowerMag magnet, yet in a compact size to allow for quick and easy field installation. It's an economical solution for applications that doesn't compromise performance or debris capacity.

The PowerMag II magnet is equipped with powerful neodymium bar magnets, and is designed to collect ferrous and non-ferrous debris that has become magnetically charged during pipe rotation and other movement during displacement, drilling, or intervention runs. Fashioned from integral drill collar bar stock with high-tensile, high-torsion strength, the tool has a large inside diameter to minimize pressure loss and flat recessed sections to maximize debris collection.

The PowerMag II magnet can be deployed with other CleanWell tools in displacement cleanout runs, and it's ideal where large amounts of ferrous material are produced or anticipated, like window milling or post-perforation cleanouts when flow rates are limited due to fluid loss.

FEATURES

- » High-strength neodymium bar magnets
- » High-tensile, high-torsion strength
- » Integral mandrel and no internal connections
- » Large inside diameter minimizes pressure loss
- » Abundant total flow area provides optimal fluid flow, even when at full debris capacity, by alternating between its magnetic and non-magnetic surfaces
- » Small integral stabilizers maximize the flow area and the capability to operate in a wide range of casing sizes without changing components
- » Efficient complete cleanup in minutes on the rig floor or after laying down



PowerMag® II
Magnet

PowerMag®
Magnet

PowerMag® II Magnet Technical Specifications

Casing Size (in.)	7 - 7 5/8	9 5/8 - 13 5/8
Integral Stabilizer Size (in.)	5.69	7.625
Maximum Trip Speed (ft/min)	200	200
Max Rotating Speed in Tension (rpm)	120	120
Max Rotating Speed in Compression (rpm)	90	90
Max Compression While Rotating (klb)	35	50
Body Tensile Strength (klb)	646	882
Body Torsional Yield Strength (ft-lb)	38097	70678

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

H012209 12/17 © 2017 Halliburton. All Rights Reserved.