

PowerMag[®] Magnet

PREMIUM DOWNHOLE MAGNET FOR RECOVERY OF LARGE AMOUNTS OF FERROUS DEBRIS

OVERVIEW

The CleanWell[®] PowerMag[®] magnet is designed to assist in collecting ferrous or non-ferrous material that has become magnetically charged due to pipe rotation or movement during displacement, drilling or intervention runs.

The integral drill collar bar stock provides for high tensile and torsional values with a large ID for optimum results. Recessed, flat magnet sections provide more than 2,800-in.² of surface collection area with more than 20 ft of magnetic face. The neodymium bar magnets are very high energy and extremely strong. Integral body water coursing provides high flow area but remains streamlined for safely exiting casing or use in various drilling or fishing operations.

The tool is typically run when large amounts of ferrous debris are being generated or known to be present in a well. Examples include but are not limited to: post perforation cleanouts and window milling operations.

FEATURES

- » Robust
- » 31 ft overall length
- » 20 ft magnet collection area
- » 2,800-in.² of surface collection area
- » 250lbs + proven recovery capacity
- » Fishing friendly
- » Integral mandrel
 - » Smooth inner bore
 - » No internal connections
- » Large internal diameter (ID)
- » Abundant radial TFA
- » Stress concentration management



PowerMag® Magnet 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

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