

APPLICATION

- Wellbore clean-up and displacements
- Drilling Cement inside the casing

FEATURES

- Excellent temperature resistance Neodymium rare-earth magnets
- Beveled blocks and centralizers prevent hang-ups while running
- Magnets are securely retained in mill packets

ADDITIONAL INFORMATION

- Available in sizes for API and non-API casing from 4-1/2" upwards.
- Tools are manufactured from mild steel as standard. Other materials are available on request.

The WellEnTech MagTech™ is a non- rotating compact tool that features rows of multiple magnets which capture and retain ferrous debris during wellbore cleaning arranged along the ribs to maximize the exposure area available to trap debris while pulling out of hole. The tool is designed with large internal bore and external flow path allowing high rate circulation for maximum wellbore cleaning.

Robust construction allows high-speed rotation and reciprocation in vertical, deviated, or horizontal wells without wearing the casing or damaging the tool.

TECHNICAL SPECIFICATION

Tubing/ Casing Size (Inches)	Weight (ppf)	Connection	Centralizer OD (Inches)	Magnet Capacity (lbs)	ID (Inches)	Length (Inches)	Tensile Yield (lbs)	Torsional Yield (ft-lbs)	Max Stock-off (lbs)	Burst/ Collapse (PSI)	Max Rotation (rpm)
4-1/2	17.1-16.6	2-7/8" HT PAC / 2-3/8 REG	3.610	18.2	1.00	93	341,200	12,400	5,000	10,000	60
7	20-29 29-38	NC38	6.050 5.790	43	1.50	105.4	523,200	28,600	10,000		120
9-5/8	47-53.5 36-43.5	NC50	8.374 8.594	105	2.25	105.8	927,000	59,800	20,000		120

OPERATION

The WellEnTech MagTech™ consists of a 2-piece mandrel with no external bolts, rings, etc. that can be left in the hole. The internal connection is designed to exceed the strength of the rig end connection and comes pre-torqued. The tool is made up to the drill string and attracts ferrous debris while running in the hole and pulling out of the hole, that can be run in tandem with other wellbore cleaning tools.

