

MAGNOSHIELD

Drillstring magnet

APPLICATIONS

- BHA protection
- Performance drilling
- Interception, retention, and removal of ferrous debris

BENEFITS

- Removes and retains fluid-borne ferrous debris
- Shields BHA from ferrous fines
- Increases service interval of drilling BHA
- Enables single-trip wireline retrieval
- Simplifies deployment

FEATURES

- Overpressure protection
- Standalone addition to BHA
- Large-capacity magnetic field
- Contingency central bypass available should flow path bridge (plug)
- High-strength rare earth magnets
- Large flow area through tool
- Standard BHA connections

The MAGNOSHIELD* drillstring magnet is a through-bore ferrous debris and fines collection and retention tool. A standalone device, the MAGNOSHIELD magnet protects the wellbore and drilling BHA from damage-causing and performance-limiting debris and fines travelling through the drillstring.

Ferrous debris and fines recovery BHA protection

Placing the MAGNOSHIELD magnet above the BHA to intercept and collect ferrous debris and fines can positively impact drilling efficiencies. Shielding RSS, MWD, and LWD against ferrous debris and fines ingress is achieved by incorporating with all drilling BHA. Anywhere ferrous debris and fines can cause damage, the MAGNOSHIELD magnet can deliver positive benefits, including in a completion fluids environment.

Designed with a single-piece collar carrying a magnetic magazine, the MAGNOSHIELD magnet is complete with a contingency central bypass that facilitates wireline chemical source recovery in a single trip. The central bypass has also been engineered to give overpressurized protection should the MAGNOSHIELD magnet become overloaded with debris and fines.



The MAGNOSHIELD magnet facilitates wireline chemical source recovery in a single trip.

