

Brandt™ SteelShield

Magnetic Protection for Cleaner Drilling Fluid Systems

SteelShield is an inline magnetic filtration system designed to remove fine metallic contamination from drilling fluids before it can impact performance. Installed downstream of primary solids control equipment, SteelShield captures both ferrous and paramagnetic particles that quietly accumulate from sources such as barite and equipment wear.

Using a high-density array of powerful magnetic elements, SteelShield intercepts these fine metals within a controlled flow path, preventing them from recirculating through the system and causing damage.

Unlike traditional ditch magnets or passive solutions, SteelShield is engineered for practical deployment across land and offshore drilling applications, processing active drilling fluid to deliver continuous metal removal without disrupting drilling operations.

The result is a cleaner, more stable fluid system and a more reliable operation

By removing fine metallic solids, SteelShield helps:

- Reduce abrasive wear on surface equipment and downhole tools
- Improve drilling fluid integrity and consistency
- Minimize the risk of tool failures, plugging, and unplanned trips
- Support more accurate logging and well placement
- Provide a visible, measurable method for managing metallic contamination

With both manual and automated configurations available, SteelShield can be adapted to meet operational preferences while simplifying maintenance and improving consistency in metal removal. SteelShield delivers a practical, field-ready solution to a growing industry challenge—helping operators take control of metallic contamination before it impacts performance.

