

INNOVAR DITCH MAGNET · SINGLE-ELEMENT, PORTABLE

Technical data & field deployment

DIMENSIONAL DATA

Length	520 mm
Height	330 mm
Frame width	120 mm
Weight	4.8 kg One-person handling, no lifting equipment required

MATERIALS & CONSTRUCTION

Body material	316 stainless steel
Construction	Magnets moulded into the 316 stainless steel body. Integral handle, free-standing legs, no moving parts
Marking	Serial number stamped on the handle

MAGNETIC SYSTEM

Magnet elements	Continuous flat array of permanent magnet elements along the full working length
Magnet grade	High-performance permanent magnets Selected for holding capability and resistance to demagnetisation in service

OPERATIONAL DATA

Application	Mud ditch / shaker room
Swarf capacity	~4 kg per magnet Field tested
Anchoring	Chain with hooks
Cleaning	Open body: approx. 20 s with a standard shovel Sleeved: sleeve removed together with captured debris
Sleeve	Exchangeable fabric debris collection sleeve (optional)
Supply	Single unit or six-unit system · sleeved or open

Compact, portable single-element ditch magnet for the mud trough in the shaker room. Chain anchoring makes it quick and safe to deploy and retrieve, with no heavy lifting and no fixed frame to install. Data as per Innovar TDS09201.

DEPLOYMENT



01 · DEPLOY

Place it and secure the chain.

Stand the unit in the ditch on its own legs and secure the chain. No frame, no tools, no lifting equipment. Six units give capacity along the whole ditch.



02 · CAPTURE

The metal stays on the magnet.

Ferrous debris is held along the full working length of the body. What comes out gives the rig team a direct look at what is circulating in the system.



03 · CLEAN

Clean it and put it back.

Open body: scrape it clean with a standard shovel, around 20 seconds. Sleeved: lift the sleeve off with the debris on it, then refit it or fit a new one. The magnet goes straight back in.

Photos taken in our workshop with dry swarf applied.

SWARF CAPACITY · FIELD TESTED

~4KG

Around 4 kg of swarf held per Ditch Magnet, measured in field testing.



Six-unit system as supplied. Crated and labelled for dispatch from our base in Sola.

SUPPLY CONFIGURATIONS

Single · open body

One Ditch Magnet with chain anchoring. Cleaned with a shovel in around 20 seconds.

Single · sleeved

One Ditch Magnet with the fabric debris collection sleeve fitted.

Six-unit system · open

Six Ditch Magnets, crated, for capacity along the whole ditch.

Six-unit system · sleeved

Six Ditch Magnets, crated, with sleeves fitted.

Spare sleeve

Exchangeable fabric debris collection sleeve, supplied separately.

NEW PRODUCT · MAGNETIC DEBRIS RECOVERY

More Magnet. Less Complexity.

The Innovar Ditch Magnet combines **high-performance permanent magnets** with a simple stainless steel body. It is quick to put in the ditch, holds a lot of ferrous debris and takes around 20 seconds to clean.

~20^{SEC}

CLEANING TIME
PER MAGNET

1 OR 6

SINGLE UNIT OR
SIX-UNIT SYSTEM

~4^{KG}

SWarf CAPACITY
PER MAGNET
FIELD TESTED


Open-body Ditch Magnet loaded with dry swarf in our workshop. The magnets hold along the full length of the body.

THE CHALLENGE

More capacity, not more equipment.

Drilling produces ferrous debris all the time, from casing wear, milling and drill string contact. If it stays in circulation it wears pumps, screens and downhole tools. It is also useful information: what ends up on the ditch magnet is often the first sign of what is going on downhole.

Ditch magnets are the simplest place to catch it, and we hear the same request from operators: more magnetic capacity in the ditch. Nobody asks for more equipment to install, maintain and clean on a shaker deck that is already busy.

OUR APPROACH

We put the engineering where it matters.

A ditch magnet is not complicated equipment. What decides how well it works is the magnetic system inside it. Magnetic recovery tools are what we do at Innovar, so instead of adding mechanical features to the hardware we spent the design effort on the magnets: **high-performance permanent magnet elements, chosen for holding capability and arranged for high magnetic density along the full working length.**

The magnets sit in a robust stainless steel body made for the shaker deck. There are no moving parts and nothing to adjust. Everything on it is there to catch metal.

KEY BENEFITS

High Magnetic Performance

Premium permanent magnet elements in a continuous flat array give strong ferrous debris capture along the full length of the body.

~20-Second Cleaning

With the open body, the debris comes off with a standard shovel in around 20 seconds. Less handling and less time spent on the shaker deck.

Simple & Robust

Stainless steel body with an integral handle and free-standing legs. No moving parts and nothing to adjust. Built for daily handling in the field.

Flexible Deployment

Supplied as a single unit or as a set of six. Free-standing, anchored with a chain, and light enough for one person to carry. No fixed frame or lifting equipment needed.

Sleeved or Open

Run it with the fabric sleeve to keep the debris contained for removal and inspection, or open for the fastest cleaning. The magnet is the same either way.

CONFIGURATION


1×

Single Ditch Magnet

For targeted placement, trials or adding capacity.


6×

Six-Unit System

A complete set for capacity along the whole ditch.



SLEEVED / OPEN

Two ways to handle debris

Sleeved keeps the debris contained. Open cleans in around 20 seconds. Works on any unit.

The Innovar Ditch Magnet is intentionally simple.
When the magnets are right, it does not need to be anything else.

INNOVAR

INNOVAR SOLUTIONS · MAGNETIC
RECOVERY TECHNOLOGY

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