

THE MAGNUM FISHING MAGNET®

Innovar laser focus magnet technology Up to 2800 kg lifting capacity

APPLICATIONS

- For pipe & wireline
- Retrieve debris with magnetic properties
- Run as a fishing magnet or preventive, to remove debris that could adversely affect other tool's performance.

FEATURES & BENEFITS

- Laser focus magnet technology
 - Magnetic field focused towards the fish
 - No disturbing magnetic field towards pipe wall
- Up to 2800 kg lifting capacity
- Working temperature of 160°C
- Sizes 1,25" up to 12,10" OD
- Flat bottom magnets
- Magnets for pipe equipped with WirlTool® circulation ports
- Designed to pick-up larger items
- One piece rugged construction

MAGNETIC SHIELDING FOR FLIGHT/ HELICOPTER:

- Certified according to IATA regulations
- Not classified as dangerous goods
- Quick mobilization
- Reduce time waiting for equipment
- Cost efficient

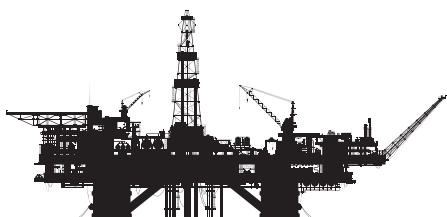
The strongest fishing magnets available on the market with a lifting capacity of up to 2800 kg.

The Innovar magnum fishing magnets can be used to retrieve debris with magnetic properties. It can be run as a fishing magnet or preventive to remove debris that could adversely affect other equipment's performance.

The Magnum Fishing Magnet® is constructed with one large magnet assembly. The Innovar laser focus magnet technology centers the magnetic field down towards the fish, ensuring that all the energy is used to catch the lost object. The magnetic field towards the pipe wall is thereby minimized.

With the use of one large magnet element, Innovar ensures a greater lifting capacity with up to 2800 kg and a working temperature of up to 160°C.

The Magnum Fishing Magnet® is built as one piece to prevent the tool from failing, and pipe models are equipped with WirlTool® circulation ports.



MAGNUM FISHING MAGNET® FOR PIPE

| Dimensional data | | | | | | |
|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Model | FM135L | FM128L | FM 116L | FM 127 | FM 114 | FM 113 |
| Max OD, inch | 12,10 | 8,30 | 5,75 | 4,30 | 3,30 | 2,30 |
| Fish neck OD, inch | 6,38 | 6,38 | 5,36 | 3,75 | 2,95 | 1,97 |
| Length, mm | 730 | 678 | 493,5 | 350 | 300 | 300 |
| Material properties | | | | | | |
| Body material | AISI 4145 | AISI 4145 | AISI 4145 | S2377 Duplex | S2377 Duplex | S2377 Duplex |
| Magnet size, mm | Ø280 | Ø180 | Ø130 | Ø100 | Ø75 | Ø50 |
| Magnet quantity | 1 | 1 | 1 | 1 | 1 | 1 |
| Magnet type | Innovar specified | Innovar specified | Innovar specified | Innovar specified | Innovar specified | Innovar specified |
| Operational data | | | | | | |
| Lifting capacity, kg | 2800 | 1800 | 700 | 170 | 100 | 40 |
| Connection | NC 50 | NC 50 | NC 38 | 2 7/8" Reg box | 2 3/8" PAC | 1 1/2" AMMT |
| Circ ports, mm | 4 x Ø45 | 4 x Ø45 | 4 x Ø25 | 4 x Ø15 | 4 x Ø 1/2" | 4 x Ø 1/2" |
| Max rotation, rpm | 40 | 40 | 40 | 40 | N/A | N/A |
| Transport Data | | | | | | |
| Tool Weight, kg | 159 | 96 | 49 | 18 | 10 | 5 |
| Helicopter shielded | Yes | Yes | Yes | No | Yes | Yes |
| Choke insert available | Yes | Yes | No | No | No | No |

MAGNUM FISHING MAGNET® FOR WIRELINE

| Dimensional data | | | | | | |
|----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Model | FM 117 | FM 105L | FM 106L | FM 126L | FM 129 | FM 120L |
| Max OD, inch | 4,50 | 3,30 | 2,75 | 2,25 | 1,58 | 1,25 |
| Length, mm | 727 | 500 | 276 | 278 | 325 | 293 |
| Material properties | | | | | | |
| Body material | 4140 L80 | AISI 4140 | AISI 4145 | Duplex | AISI 4145 | AISI 4145 |
| Magnet size, mm | Ø100 | Ø75 | Ø50 | Ø50 | Ø30 | Ø25 |
| Magnet quantity | 1 | 1 | 1 | 1 | 2 | 1 |
| Magnet type | Innovar specified | Innovar specified | Innovar specified | Innovar specified | Innovar specified | Innovar specified |
| Operational data | | | | | | |
| Lifting capacity, kg | 360 | 125 | 60 | 50 | 25 | 15 |
| Connection | 1 1/16" SR pin | 1 1/16" SR pin | 15/16" SR pin | 15/16" SR pin | 15/16" SR pin | 15/16" SR pin |
| Guide wheels | 18 | 16 | No | No | No | No |
| Transport Data | | | | | | |
| Tool Weight, kg | 35 | 16 | 6 | 5 | 3 | 2 |
| Helicopter shielded | No | Yes | Yes | Yes | Yes | Yes |

