

INNOMAG® HD STRING MAGNETS

Heavy duty string magnets for milling and wellbore cleaning operations

APPLICATIONS

- Cleaning during or after milling
- During casing exits
- Prior to running completions to clean the well
- Run as a part of drill string when doing a washing or circulation run

FEATURES

- One-piece mandrel, no weak service connection
- Large fluid bypass
- No moving parts
- No internal bearings or wear parts
- Full 360° stabilization
- Magnet elements integrated in the tool
- Extreme magnetic area, magnets covered in stainless steel to make cleaning easy
- Stabilizer sleeves locked in place using patent pending technology
- Available in size 5,75" and 8,30" OD

BENEFITS

- Custom made for milling operations
- Full drill pipe strength
- Excellent cleaning capabilities due to extreme magnet range
- Multiple Innomag® HD on one string decrease number of runs
- Easy cleaning and low maintenance

The heavy-duty Innovar Innomag® string magnet is a wellbore clean-up tool especially designed for casing exits and milling operations. A robust design with no moving parts and a solid mandrel ensure that the Innomag HD is capable of withstanding the extreme downhole conditions experienced during milling operations. Built on the proven design of the Innovar magnet technology, the heavy-duty Innomag provides efficient removal of ferrous debris.

Dimensional data

Model	IM 58 HD	IM 83 HD
Max OD, inch	5,75	8,36
Min ID, inch	1,75	3
Fish neck OD, inch	4,75	7
Length, mm	2160	2291

Material properties

Body material	AISI 4145	AISI 4145
Tensile Yield strength, lbs	562 000	1 409 000
Torsional Yield strength, ft-lbs	18 400	94 000
Magnet Ribs on stabilizer	5	5
Magnet type	Innovar specified	Innovar specified

Operational data

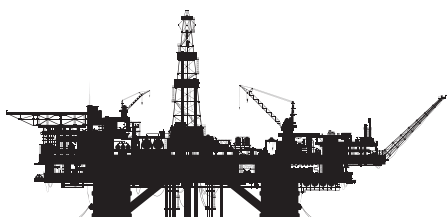
Flow by area, sq.in	4,8	5,6
Inside	7" 29#	9 5/8" 53.5#
Connection	NC38*	MT57
Max rotation, rpm	150	150
Swarf collection cap (ltrs)	11,4	17,4

Transport Data

Tool weight, kg	158	345
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* Different connection at request



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