

INNOMAG[®] CT - STRING MAGNETS

Innovar laser focused magnet technology
Maximum magnetic force against the pipe wall

APPLICATIONS

- Coiled tubing wellbore clean-up operations
- Milling operations
- IM 28 available with x-over for wireline
 - Clean-out and fishing operations

FEATURES

- Laser focused magnetic field directed out towards casing and well cavities
- Stabilizers sleeves locked in place using patent pending technology
- Large fluid bypass
- No moving parts
- No internal bearings or wear parts
- Full 360° stabilization
- Low maintenance
- Magnet elements integrated in the tool
- Large magnetic area, magnets covered in stainless steel to make cleaning easy
- Available in size 1,90" and 2,75" OD

BENEFITS

- Remove ferrous debris unable to be circulated out
- Excellent cleaning capabilities due to extreme magnet range
- Multiple Innomag CT on one string decrease number of runs
- Easy cleaning and maintenance

The Innomag[®] CT string magnet is a high capacity wellbore clean-up tool, especially designed for coiled tubing applications. It is capable of removing large amounts of ferrous debris that cannot be circulated out. With no moving parts and the Innovar Laser Focus magnet technology, it is the optimal tool for all CT clean-out operations.

Dimensional data

Model	IM 19ss	IM 28L
Max OD, inch	1,9	2,75
Min ID, inch	0,5	1,0
Fish neck OD, inch	1,56	2,0
Length, mm	1720	1540

Material properties

Body material	AISI 4140	AISI 4145
Suitable for sour service/H ₂ S	Yes	No
Tensile Yield strength, lbs	45 000	86 000
Torsional Yield strength, ft-lbs	510	1 470
Magnet Ribs on stabilizer	4	6

Operational data

Flow by area, sq.in	1,5	7,1
Inside	2 7/8" 8,7#	4,5" 12,6#
Max rotation, rpm	150	150
Connection	1" AMMT	1,5" AMMT*
Make up torque, ft-lbs	330	950

Transport Data

Tool weight, kg	14,5	23
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* Available with x-over for wireline

X-Over

XO Model	XOR 109	XOR 110
Max OD, inch	Rollers 3,5. Body 3,23.	Rollers 3,5. Body 3,23.
Fish neck OD, inch	2,05 (Size 3)	2
Length, mm	327	370
Body material	4140, 120 ksi	4140, 120 ksi
Tensile Yield strength, lbs	87 780	87 780
Tensile weak member	SR	SR
Connection	1 1/16" SR pin x 1,5" AMMT pin	1 1/16" SR box x 1,5" AMMT box
Make up torque (ft-lbs)	SR:handtight, AMMT: 950 ft-lbs	SR:handtight, AMMT: 950 ft-lbs
Weight, kg	8	7

Rev: PDS-009-03

