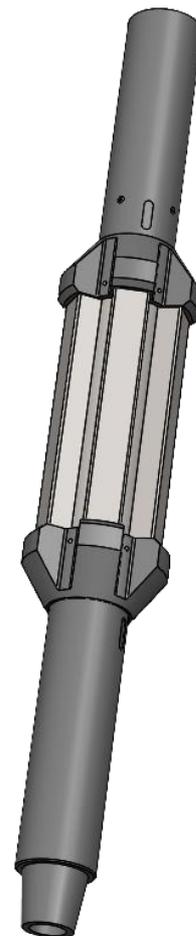


12.1" Innomag[®] String Magnet

Model IM 102L

For cleaning out 13 3/8" casing, NC 50 pin x box connection

Dimensional data	
Max OD, inch	12.1
Min ID, inch	3.0
Fish neck OD, inch	6.5
Length, mm	2003
Weight, kg	300
Mechanical properties	
Body material	AISI 4145
Tensile Yield strength, lbs	1 030 000
mt	468
Torsional Yield strength,* ft-lbs	25 000
Nm	33 900
Magnet Ribs, ea	5
Operational data	
Flow by area,** sq.in	32.3
Connection	NC 50 p x b
Max rotation, rpm	120
Swarf capacity,** kg	52
Max swarf capacity, kg	63
Rec'd make-up torque, ft-lbs	27 000



*) This is for compressional loads on the internal threads.
For twist off, the Tool Joint is the weakest member.

**) inside 13 3/8", 72 #/ft casing