

MAGNETIC FILTER PLUGS

DESCRIPTION

OEI Magnetic Filter Plugs are the high quality replacement for OEM ceramic magnet drain plugs. Designed with the highest quality rare-earth magnets fastened to the plug body, the magnetic filter plug captures abrasive wear particles and prevents them from circulating throughout the system. OEI Magnetic Filter Plugs have a high holding capacity and they resist vibration and high-temperatures that typically reduce conventional strength over time.

OEI Magnetic Filter Plugs are effective predictive maintenance tools when integrated into maintenance programs.

BENEFITS

- » Extend the life of critical systems such as differentials, wheel motors, and final drives by indicating component wear and preventing system failures.
- » Do not degrade from heat and vibration.
- » Capture ferrous and non-ferrous contamination.

APPLICATIONS

DRAIN PLUGS

DIFFERENTIALS

TRANSFER CASE

WHEEL HUBS

WHEEL MOTORS

TRANSMISSIONS



EXPECTED WEAR



CAUTION



IMMINENT FAILURE

EFFICIENCY

Magnetic Filter Plug	Ferrous Contamination	Captures ferrous wear particles down to 4 μ and below with up to 95+% efficiency.
	Non-ferrous Contamination	Non-ferrous particles are magnetically captured because of cross-contamination from embedded ferrous particles.

OPERATING PARAMETERS

Pressure Rating	Standard	< 20.7 bar (300 psi)
	High Pressure	< 413.7 bar (6000 psi)
Temperature Rating	Standard	< 150° C (300° F)
	High Heat	< 300° C (600° C)

CLEANING

Remove the contamination with a lab cloth/non-fiber cloth that absorbs the contamination. Save the cloth in a sample bag to send for analysis.

Best Practice: Place the entire magnetic filter plug into a sample bag and send it for analysis. Replace it with a new magnetic filter plug and recycle the old one after analysis.

MATERIAL CONSTRUCTION

Magnetic Filter Plug	Standard	Rare-earth magnets
Body	Standard	Carbon Steel
		Stainless Steel
Seals	Standard	Buna
	High Heat	Viton
	Sub-zero	EDPM

INSTALLATION

Seals		Standard O-ring				Recessed O-ring				Bonded Seal			
Thread Sizes	NPT, BSP (in)	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3+	
	Metric (mm)	10	12	14	16	18	20	22	26	27	30	33+	
	ORB	04	05	06	08	10	12	14	16	20	24	32+	
Fasteners		NPT		BSPT		BSPP		ORB		Metric		SAE	
Fastener Types		Internal Square				External Square		Internal Hex		External Hex			

LIMITED WARRANTY

Magnetic Filter Plug	1 year
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SERVICE LIFE

Magnetic Filter Plug	18+ years
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