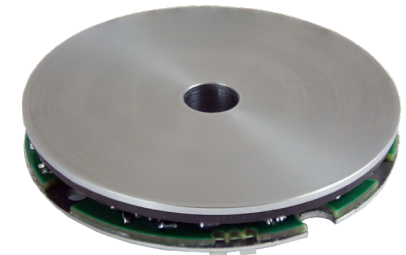




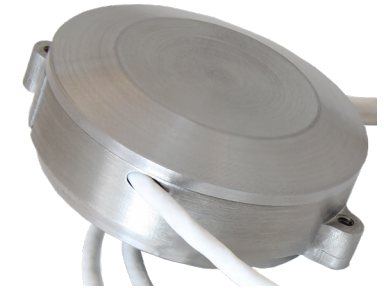
# CAPABILITIES AND CUSTOM OPTIONS

## MAGNETIC ENCODERS

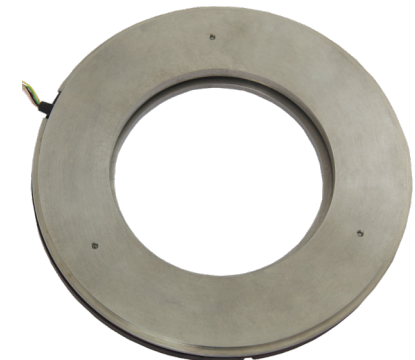
Application Example	Advantage
Accuracy: from 13 bits (0.01 %) to 16 bits (0.002 %)	Very high accuracy position
Physical / real resolution: up to 20 bits (for RAMK090), up to 21 bits (for RAME033/037)	Allows a monotone mathematical function with a very small backlash $\pm 1$ LSB, excellent repeatability
Plug and play	No needed calibration after mounting by the customer
Ultraflat (about 6.5 mm) and light weight (55 g) for the kit design	High level of integration for the kit encoder
Not sensitive to moisture, pollution, or temperature	Operational in harsh conditions
Not sensitive to external magnetic fields	Operational in magnetic environments with high accuracy
Output variant: SPI, SSI, Biss-C, multi-turns	Suitable to customer's device communication
Variant with same technology: GEN1 (10 kHz) / GEN2 (20 kHz)	Sampling rate adapted to the customer's device communication. The GEN2 allows a synchronous signal
Various diameters	From 27 mm to 90 mm



RAMK033



RAMK033



RAMK090

Design	Diameter (mm)	Accuracy / Resolution (bits)	Series
Kit	27 33 40 60	13 bits / from 16 to 19 bits	RAMK027S / RAMK027 RAMK033 RAMK040 RAMK060
	90	16 bits / 20 bits	RAMK090
Body	33 37	15 bits / 21 bits	RAME033 RAME037
	44 58	13 bits / 17 bits	RAME044 RAME058