

# Incremental magnetic rings

**NEW!**



## Features

- High rotational speed
- Excellent resistance to chemicals commonly found in industry
- Excellent shock resistance
- UV and ozone resistant
- Wide operating temperature from -40 °C to +160 °C
- Single, periodic or distance coded reference mark
- Compatible with LM10, LM13, LM15 and RoLin™

## Applications

Security cameras



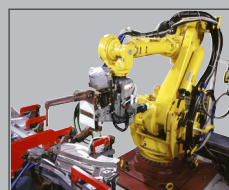
Printing technology



Machine tools



Assembly lines



Medical



## Technical specifications

<b>Material</b>	Magnetic layer: Vulcanised HNBR + ferrite composite Carrier: Stainless steel EN 1.4021
<b>Maximum circumferential speed</b>	130 m/s
<b>Hardness of magnetic layer</b>	85 Shore (A) ± 3
<b>Operation and storage temperature</b>	-40 °C to +160 °C
<b>Pole length</b>	2 mm, 5 mm
<b>Available dimensions</b>	See table below
<b>Installation method</b>	Press fitting

## Chemical resistance

Agent	Resistivity
water	excellent
steam	excellent
gasoline	good
oils and grease	excellent
aliphatic solvent	excellent
aromatic solvent	bad
halogenated solvent	bad
acids	bad
base	good
ozone	excellent
UV radiation	excellent

## Available ring dimensions

### Dimensions and tolerances in mm

Type of ring	Outer diameter (mm) A	Inner diameter (mm) B	Height (mm) C	Pole length (mm)	Number of poles	Readhead compatibility			
						LM10	LM13	LM15	RoLin
MR075E	75.4 ± 0.1	60H7	10 ± 0.1	2	120	✓	✓	-	-
				5	48	-	-	✓	-
MR057E	57.3 ± 0.1	45H7	10 ± 0.1	2	90	✓	✓	-	-
				5	36	-	-	✓	-
MR050E	50.11 ± 0.05	40H7	10 ± 0.1	2	80	✓	✓	-	-
				5	32	-	-	✓	-
MR040E	40.7 ± 0.1	30H7	10 ± 0.1	2	64	✓	✓	-	-
				5	26	-	-	✓	-
MR040G	40.78 ± 0.05	30H7	8 ± 0.1	2	64	-	-	-	✓
				5	26	-	-	-	✓
MR031E	31.8 ± 0.1	20H7	10 ± 0.1	2	50	✓	✓	-	-
				5	20	-	-	✓	-
MR031G	31.87 ± 0.05	20H7	8 ± 0.1	2	50	-	-	-	✓
				5	20	-	-	-	✓

