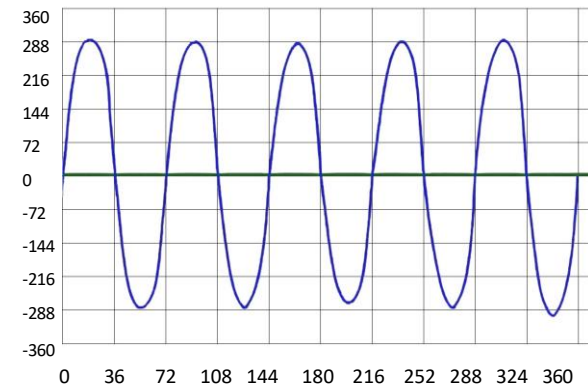
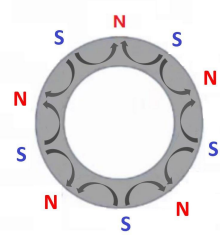
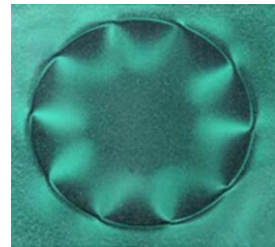
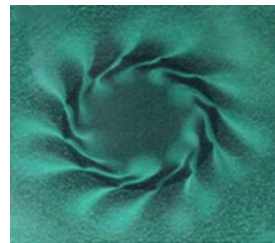


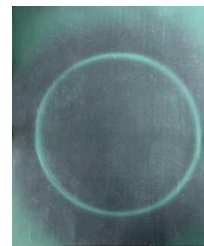
◆ Magnetized Pattern



Multi-Pole Ring Magnet--10 pole with OD Polarity
(Continuous Halbach Ring Magnet)



Radial Ring Magnet-12 Skewed Pole



Radial Ring Magnet-Uni Pole



Radial Ring Magnet-8 Straight Pole



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Headquarter(Ningbo, Jiangbei, China)



Plant No.2 (Ningbo, Jiangbei, China)

Magnetic World · Drive Future

**Radial Ring &
Multi-Pole Ring
Technology**

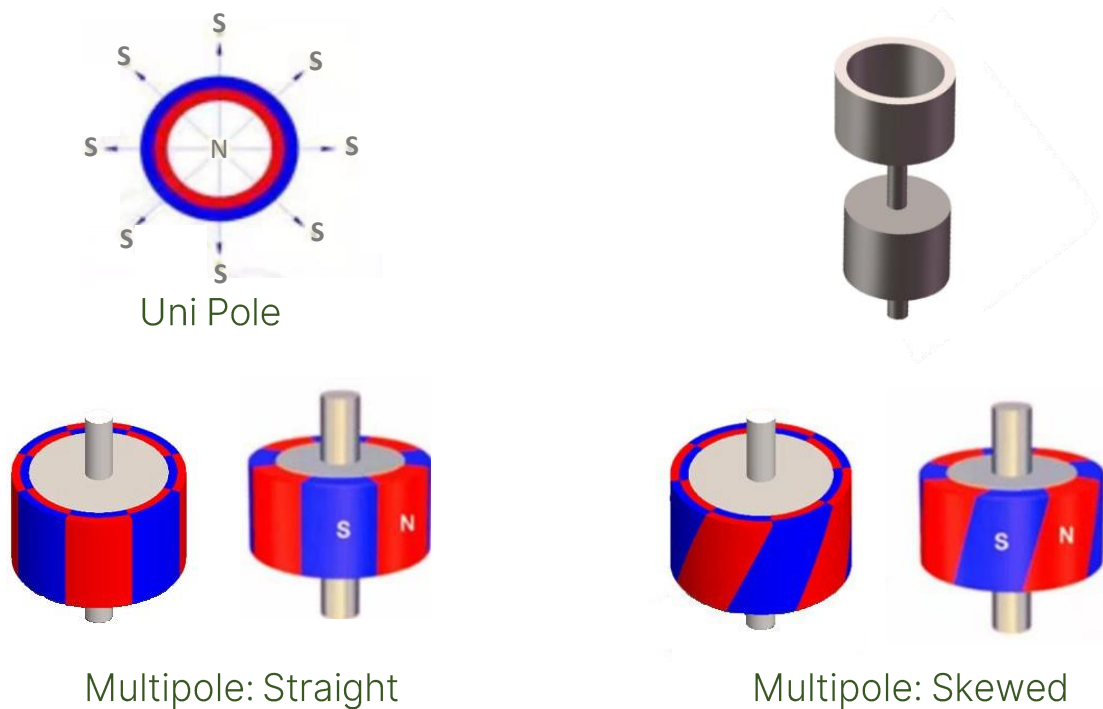
Magnetic World · Drive Future

NdFeB Magnet

Radial Ring & Multi-Pole Ring

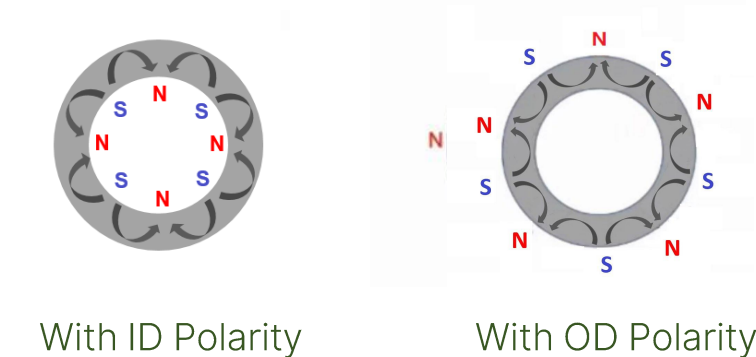


Radial Ring Magnets



Multi-Pole Ring Magnets

(Also know as Continuous Halbach Ring or Polar Anisotropy Ring Magnet)



Benefits of Radial Ring Magnets:

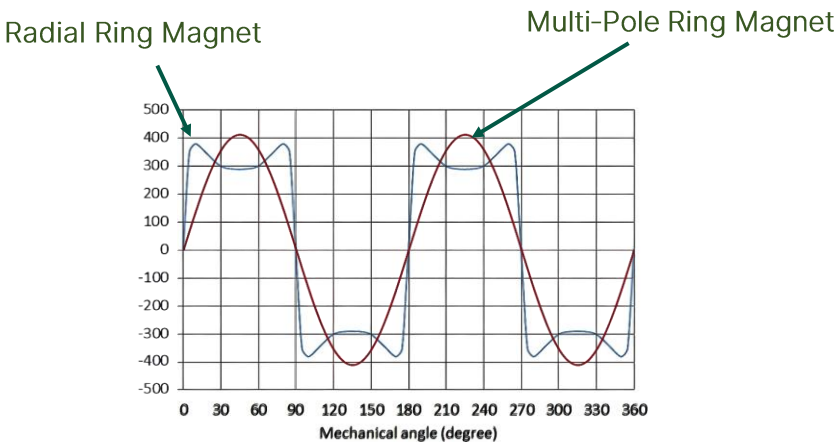
- High dimensional precision for accurate fit and consistent performance
- Improve dynamic balance, reduce vibration and enhance operating stability
- Simplify motor assembly
- Enable smaller air gap designs, supporting efficiency and power density
- Reduce noise and improve reliability

Benefits of Multi-Pole Ring Magnets:

- Generate a stronger, more focused magnetic field for higher motor output
- Reduce flux leakage and improve magnetic field utilization
- Enable compact motor designs with higher torque density
- Optimize system performance while reducing weight
- Well suited for precision and advanced motor application

Feature

	Radial Ring	Multi-Pole Ring
Surface Flux Density	Moderate	High
Pole Number	Flexible by Magnetizing tool	Fixed at pressing process
Magnetization Pattern	-Uni Pole -Multipole: Straight/Skewed	-Multipole with OD Polarity -Multipole with ID Polarity



Surface Flux Density Distribution

Typical Dimension Range

	Radial Ring	Multi-Pole Ring
Diameter (mm)	D20 ~ D150 (Ideal D70 Below)	D5 ~ D50
ID VS OD Ratio	0.75 ~ 0.95	0.6 ~ 0.8
Length (mm)	5 ~ 50	5 ~ 50

YONJUMAG Strengths & Capabilities

- Nearly 30 years of expertise in permanent magnet R&D, engineering, and manufacturing
- Advanced technologies in Radial and Multi-Pole Ring magnets with reliable and consistent quality
- Proven custom design capability for automotive, industrial and high speed motors, etc.
- Trusted partner of leading global companies in high performance motor industry
- Dedicated to efficiency, performance, and sustainability