

# Rubber Encoder Magnetic Ring Catalog

## Description:

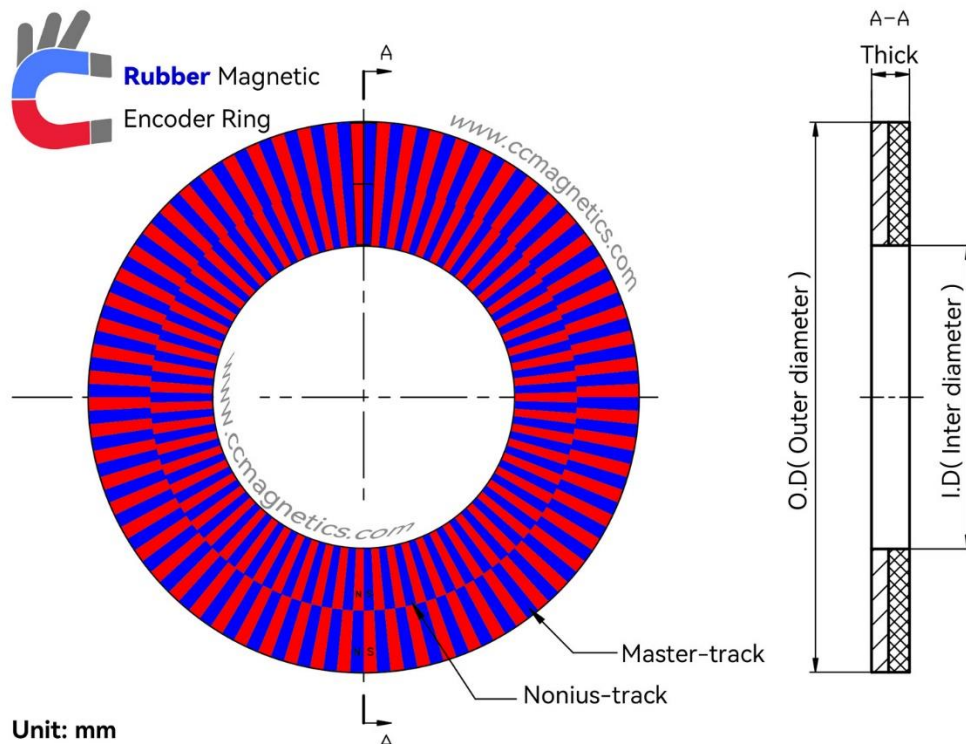
All magnetic rings listed on this page are made of vulcanized rubber magnet material. Key advantages of this material include:

- Superior Elasticity & Vibration Resistance: Ideal for high-motion robotics and equipment requiring magnetic encoders.
- Waterproof: Ensures reliable performance in demanding environments.
- Compatibility: Designed to work seamlessly with sensors such as IC-MU, IC-MU150, and IC-MU200.

## Technical Support & Customization:

For individual drawings of these magnetic rings/targets, please contact our sales team and provide the SKU number of the required product. Our team will promptly respond to your inquiry and provide the requested drawings.

- Guaranteed Precision: All rings meet strict IT7 tolerance standards for dimensional accuracy and concentricity.
- Axial Magnetization Direction: Ensures consistent and reliable magnetic field alignment.
- Quality Assurance: Third-party certified test reports are available upon request.



## Parameter:

O.D (mm)	I.D (mm)	Thick (mm)	Master -track	Nonius -track	Comments	SKU
18	8	2	32	30	Pole width: 1.5mm, compatible with ic-mu150: 16-pole pairs in master-track, 15-pole pairs in nonius-track.	R0874
20	7	2	32	30	Pole width: 1.5mm, compatible with ic-mu150: 16-pole pairs in master-track, 15-pole pairs in nonius-track.	R0875
22	6	2	32	30	Pole width: 2mm, compatible with ic-mu200: 16-pole pairs in master-track, 15-pole pairs in nonius-track.	R0529
22	8	2	32	30	Pole width: 2mm, compatible with ic-mu200: 16-pole pairs in master-track, 15-pole pairs in nonius-track.	R0880
22	10	2	32	30	Pole width: 2mm, compatible with ic-mu200: 16-pole pairs in master-track, 15-pole pairs in nonius-track.	R0881
25	11.5	2	32	30	Pole width: 2mm, compatible with ic-mu200: 16-pole pairs in master-track, 15-pole pairs in nonius-track.	R0882
28.5	16.5	2	64	62	Pole width: 1.28mm, compatible with ic-mu: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0872
29	15	1.1	64	62	Pole width: 1.28mm, mu2s 30-32n, compatible with ic-mu: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0871
29	10	2	64	62	Pole width: 1.28mm, mu18s 30-32n, compatible with ic-mu: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0661
29	15	2.1	64	62	Pole width: 1.28mm, compatible with ic-mu: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0662
30	11	3	64	62	Pole width: 1.28mm, compatible with ic-mu: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0873
31.5	19.5	2	64	62	Pole width: 1.5mm, compatible with ic-mu150: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0684

33	20	2	64	62	Pole width: 1.5mm, compatible with ic-mu150: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0703
34	20	11	64	62	Pole width: 1.5mm, mu36s 35-32n, compatible with ic-mu150: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0715
34	18	1.1	64	62	Pole width: 1.5mm, mu28s 34-32n, compatible with ic-mu150: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0714
34	18	5	64	62	Pole width: 1.5mm, compatible with ic-mu150: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0876
35	23	2	64	62	Pole width: 1.5mm, compatible with ic-mu150: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0721
39	20	2	64	62	Pole width: 1.5mm, compatible with ic-mu150: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0877
42.5	30.5	2	64	62	Pole width: 2mm, compatible with ic-mu200: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0752
44.5	25	1.4	64	62	Pole width: 2mm, mu37s 45-32n, compatible with ic-mu200: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0760
48	35	2	64	62	Pole width: 2mm, compatible with ic-mu200: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0774
49	25	2	64	62	Pole width: 2mm, compatible with ic-mu200: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0778
49	25	2	64	62	Pole width: 2mm, compatible with ic-mu200: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0758
49	31.5	2	64	62	Pole width: 2mm, compatible with ic-mu200: 32-pole pairs in master-track, 31-pole pairs in nonius-track.	R0883
53	40	3.5	128	126	Pole width: 1.28mm, compatible with ic-mu: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0866

54.7	40	2	128	126	Pole width: 1.28mm, compatible with ic-mu: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0801
55	35	2.5	128	126	Pole width: 1.28mm, compatible with ic-mu: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0805
56	38	1.1	128	126	Pole width: 1.28mm, mu35s 56-64n, compatible with ic-mu: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0814
56	37	12.6	128	126	Pole width: 1.28mm, compatible with ic-mu: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0813
56	35	2	128	126	Pole width: 1.28mm, compatible with ic-mu: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0811
63	46	2	128	126	Pole width: 2mm, compatible with ic-mu150: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0879
64	47.4	1.1	128	126	Pole width: 1.5mm, compatible with ic-mu150: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0878
64	45	2.5	128	126	Pole width: 1.5mm, compatible with ic-mu150: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0829
68	55	3.5	128	126	Pole width: 1.5mm, compatible with ic-mu150: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0838
84	62	1.8	128	126	Pole width: 2mm, compatible with ic-mu200: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0852
84	65	2.5	128	126	Pole width: 2mm, compatible with ic-mu200: 64-pole pairs in master-track, 63-pole pairs in nonius-track.	R0851

## About Us:

Established in 2010 and headquartered in Beijing, China, CCmagnetics is a duly registered commercial entity operating under the auspices of the Chinese industrial and commercial authorities.

CCmagnetics's mission is to enable customers to purchase magnetic rings without incurring, or minimizing, mold costs. To date, CCmagnetics has made over 1000+

magnetic ring specifications publicly available. These magnetic rings are compatible with a wide range of IC sensors and can be adapted to most motors and magnetic encoders, offering exceptional value for money.



### Image Captions:

1. Surface-mounted external magnetization coil for magnetizing motor encoder magnetic rings.
2. Planar multipole magnetization coil for magnetizing axial encoder magnetic rings.
3. Torsional multipole magnetization coil for magnetizing radial encoder magnetic rings.
4. Embedded internal magnetization coil for magnetizing motor magnetic rings.
5. A delegation from a South Korean customer visits CCmagnetics.
6. CCmagnetics team conducts random inspections on encoder rings before shipment, regardless of size or quantity.



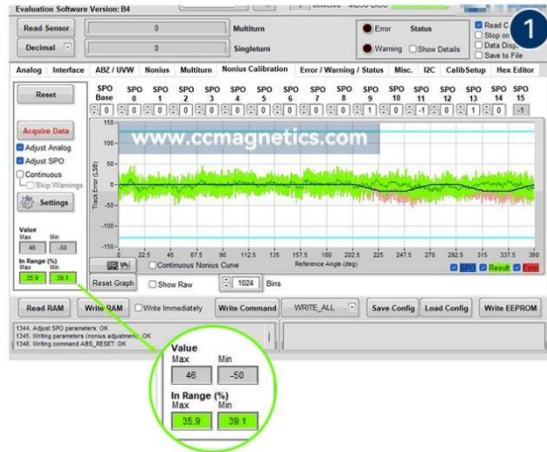


#### Image Captions:

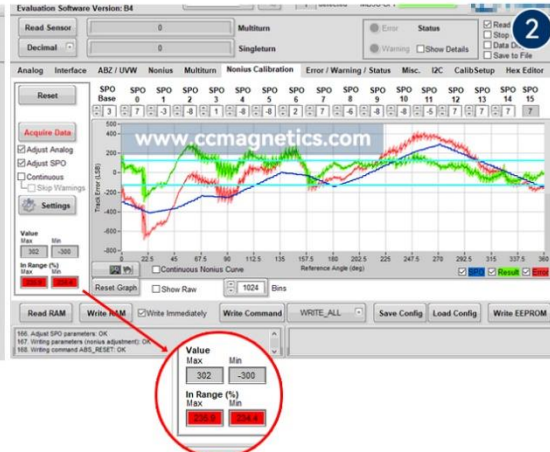
1. CCmagnetics' encoder magnetic rings utilize automated dispensing equipment to ensure a stable bond between the magnetic ring and the metal carrier.
2. CCmagnetics' encoder magnetic rings can be adhered to customer-designed metal carriers, maximizing the use of internal robot space.
3. The encoder magnetic ring that supports any metal carrier has been widely recognized and praised by customers.
4. Vulcanized rubber encoder magnetic rings awaiting packaging and shipment to Germany for use in handling robots.



**CCmagnetics rubber encoder test data**



**Competitor rubber encoder test data**



## Image Captions:

1. CCmagnetics' encoder magnetic ring test performance is excellent. The magnetic ring for this encoder model requires an In-range percentage of less than 60% to pass. CCmagnetics has achieved a remarkable In-range percentage of 40% or below.
2. Screenshot of a competitor's encoder magnetic ring test: While the magnetic pole observation appears normal and the price is lower, these products are unusable.

## Representative Patents

Since its inception, our company has been dedicated to the field of magnetic transmission and magnetic rings. Our representative patents include:



Patent Name 1: Comprehensive management system for magnetic ring production line

Patent Name 2: Fixture tooling for rubber mold

Patent Name 3: Axial magnetization equipment

Patent Name 4: Magnetic detection equipment for sealing ring

Patent Name 5: Torque adjustable magnetic coupling

Patent Name 6: Magnetic suction coupling with clutch function

## Ordering Information:

### Payment:

We accept payment via proforma invoice and 100% T/T.

Credit card payments are accepted, but a 2.9% surcharge will apply.

### Packaging and Logistics:

We accept delivery through the customer's preferred shipping company.

Our packaging materials, including tinplate, kraft paper, and foam, fully comply with EU environmental regulations.

### Delivery Time:

Shipment will be arranged within 30 days after receipt of payment. Delivery time may be shorter if our factory schedule permits.



Transportation time is estimated to be 7-10 days.

#### **After-sales Service:**

Our products undergo rigorous quality inspection and testing before leaving the factory. Based on the demagnetization curve of neodymium iron boron, our products have a lifespan of 60-100 years under normal conditions.

Our products are made of metal and magnets that meet international standards, and the adhesives are made of the well-known brand 3M, and additional material safety reports can be provided.

If any quality issues are found within one year, please provide photos as proof. We will compensate with a new product in your next order. The defective product does not need to be returned.

#### **Contact us:**

