



# Ningbo Realpower Magnetic Industry Co.,Ltd.

## ALNICO MAGNETS

### Alnico magnets

As an alloy of aluminum-nickel-cobalt, Alnico magnets are widely used due to the superior temperature stability and high influx density. There are two types of Alnico Magnets produced by Real magnetic, sintered and cast. Alnico Magnets with complex shapes are always produced by cast.



### Specifications for Alnico Magnets (Sintered)

GRADE	Br(Gs)	Hcj(Oe)	Hcb(Oe)	(BH)max(MGOe)	D(q/cm <sup>3</sup> )
FLN8	5200	540	500	1.0	6.7
FLNG12	7000	540	500	1.5	7.0
FLNG14	5000	770	750	1.8	7.0
FLNG28	10500	590	580	3.5	7.0
FLNG34	11200	605	595	4.3	7.0
FLNG26	9000	730	700	3.3	7.0
FLNGT18	6500	1030	1000	2.3	7.0
FLNGT31	7800	1390	1340	3.9	7.0
FLNGT36	6800	1738	1700	4.5	7.0
FLNGT38	8000	1570	1550	4.8	7.0

### Specifications for Alnico Magnets (Cast)

MATERIAL NO	Br(GS)	Hcb(Oe)	Hcj(Oe)	BH(MGOe)
LN 10	6,000	500	540	1.2
LNG 13	6,800	600	610	1.6
LNG 37	12,000	600	610	4.63
LNG 40	12,500	600	610	5.00
LNG 52	13,000	700	710	6.50
LNGT 32	8,000	1,250	1,280	4.00
LNGT 38	8,000	1,380	1,400	4.75
LNGT 60	9,000	1,380	1,400	7.50

\*ALL DATA ARE MIN VALUE.

\*LN 13=AlNiCo 2, LNG 13=AlNiCo 3

\*LNG 37/40/52=AlNiCo 5, LNGT 32 /38/60=AlNiCo 8

