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Part #	Grade	Ø mm	Ø inch	T mm	T inch	Coating
YB-062-1	N35	35.70	1.41	5.00	0.197	Nickel
YB-063-1	N35M	25.40	1.00	6.35	0.250	Zinc
YB-063-1	N35M	25.40	1.00	6.35	0.250	Epoxy
YB-064-1	N35M	50.80	2.00	12.70	0.500	Zinc
YB-065-1	N38SH	50.09	1.97	7.62	0.300	Zinc
YB-065-1	N38SH	50.09	1.97	7.62	0.300	Epoxy
YB-066-1	N35	58.00	2.28	10.25	0.404	Zinc

MAGNET PROPERTIES:

N35:

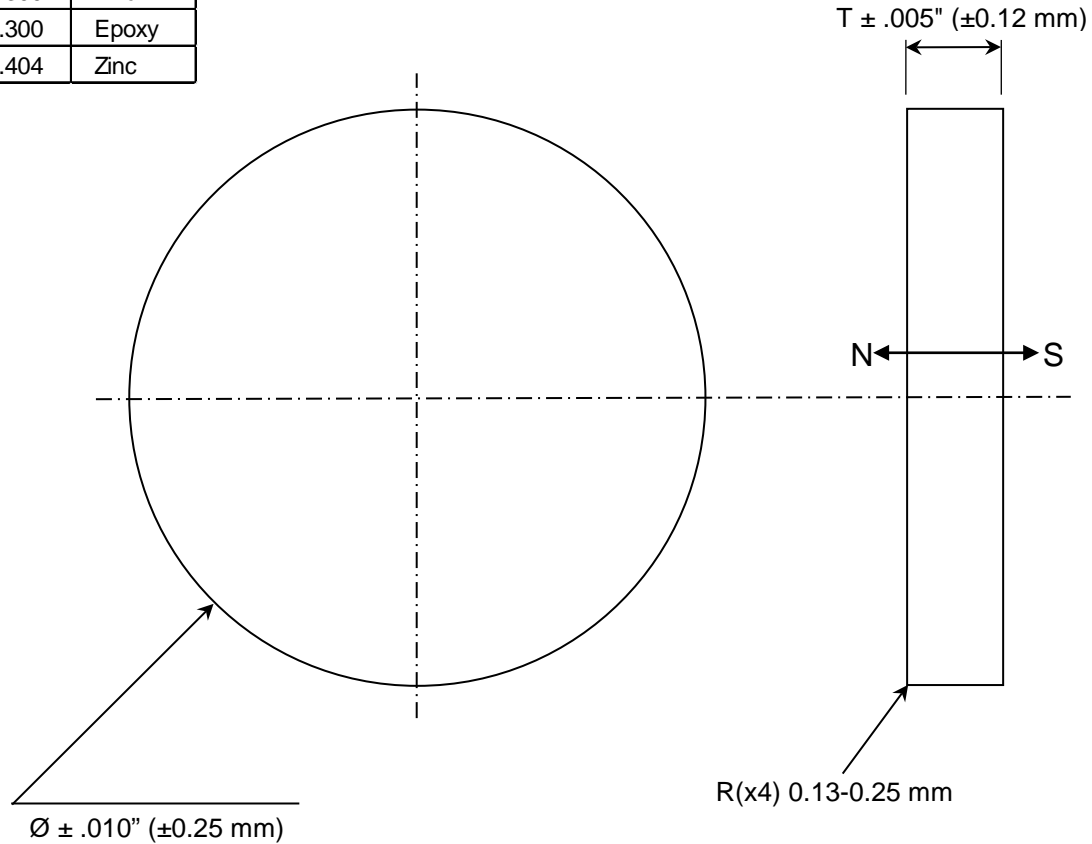
Br: 11,700-12,200 G
 Hc: 10,800-11,500 Oe
 Hci: ≥12,000 Oe
 BH_(max): 33-35 MGOe
 T max: 80° C (175° F)
 Magnetic loss: -0.12%Br/°C

N35M:

Br: 11,700-12,200 G
 Hc: 11,000-11,700 Oe
 Hci: ≥14,000 Oe
 BH_(max): 33-35 MGOe
 T max: 100° C (212° F)

N38SH:

Br: 12,200-12,600 G
 Hc: 11,300-12,000 Oe
 Hci: ≥20,000 Oe
 BH_(max): 36-38 MGOe
 T max: 150° C (302° F)



Rev	Date	By

TOLERANCES
 (UNLESS OTHERWISE NOTED)

DECIMAL METRIC
 X.XX = ± .01 X.X = ± .25
 X.XXX = ± .005 X.XX = ± .13

ANGLES
 ± .5°

DO NOT SCALE DRAWING

Alliance LLC		
1450 CLARK DRIVE, VALPARAISO, INDIANA 46385		
DESCRIPTION: RARE EARTH DISC MAGNET		
P/N: YB-XXX-X		Rare Earth NdFeB
MATERIAL: NdFeB	Dwg by: BT	REV LEVEL: A
COATING: See Table	Apr by: DV	Apr. Dated: 03-14-2020