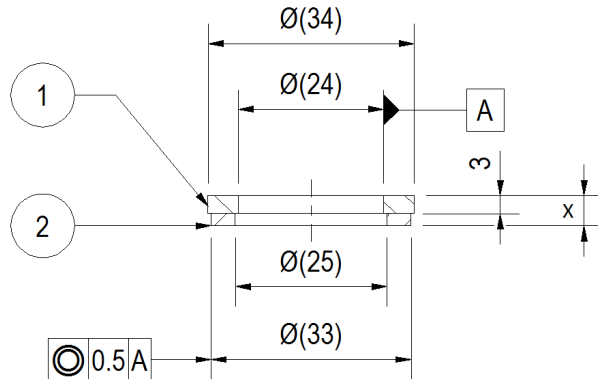


Part : SCR Magnet ring	Contact : IJsbrand Velzeboer
Part No. : 87.6510/00/X	Email : ij.velzeboer@baktermagnetics.com
	Phone : +31 40 2678 820

1. Dimensions:



Part No.	Outside diameter (mm)	Inside diameter (mm)	Thickness overall "X" (mm)	Thickness magnet (mm)	Weight (gr)
87.6510/00/3	34	24	5	3	15,59
87.6510/00/4	34	24	6	4	18,79
87.6510/00/5	34	24	7	6	22,32
87.6510/00/6	34	24	8	6	25,65
87.6510/00/7	34	24	9	7	29,04

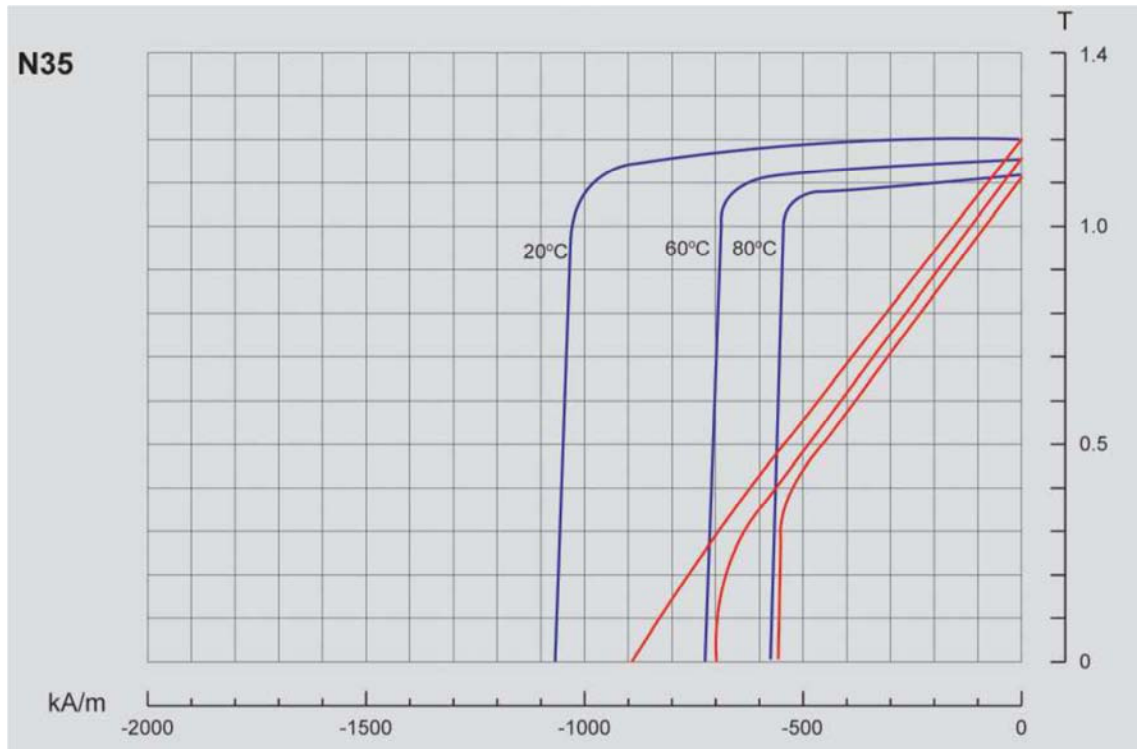
2. Materials:

① Magnet

Magnet grade	: N35
Coating	: Nickel Copper Nickel Epoxy (4 layers)
Br min (mT)	: 1.170
Br typ (mT)	: 1.220
HcB min (kA/m)	: 870
HcB typ (kA/m)	: 920
HcJ min (kA/m)	: 955
BH min (kJ/m ³)	: 263
BH typ (kJ/m ³)	: 279
Max. operating temperature (*)	: 80
Temp.Coeff. of Br:	: -0.11%/°C (20-100C)
Curie Temperature:	: 310-340°C
Density: Temp. Coeff. of iHc:	: -0.60%/°C (20-100°C)
Density:	: 7.4-7.6g/cm ³
Vickers Hardness:	: 570 Hv
Coeff. of Thermal Expansion:	: 4 x 10 ⁻⁶ /°C
Thermal Conductivity:	: 7.7kcal/(m.h.°C)
Rigidity:	: 0.64N/m ²

* The maximum operating temperature is determined by the final lay-out of the magnetic circuit. The estimated values refer to magnets which are operating at the working point of B/μOH=-1.

B-H Hysteresis Curve of magnet:



② Hybride ring

Material : S235 JR
 Coating : Epoxy (1 layer)

3. Remarks

Available coatings:

- Single Nickel
- Nickel Copper Nickel (3 layers)
- Nickel Copper Nickel Epoxy (4 layers)
- Single Epoxy
- Coloured Zinc
- Tin
-

Available grades:

All grades are possible, with max. operating temperatures up to 200°C