SAV 240.55 MAGNETIC CORES MADE OF NdFeB

High-energy magnet

DESIGN

Neodymium iron boron is the strongest magnet material available. Compared to samarium cobalt, the energy product is approx. 40% higher, while the density is approx. 12% lower and the base materials are more easily available. The magnets are manufactured by sintering.

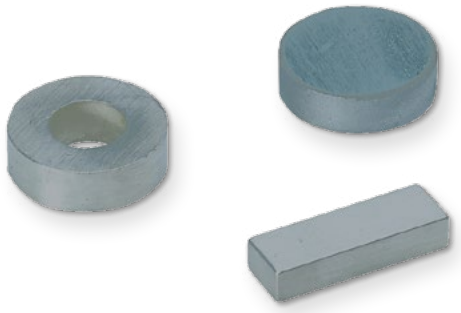
Max. service temperature: 80 °C
Remanence: 1000 mT to 1250 mT

MAGNET MATERIAL

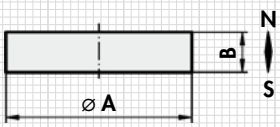
Neodymium iron boron, $Nd_2Fe_{14}B$
unshielded

FASTENING OPTION

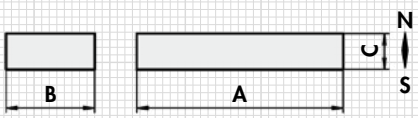
Glueing, pressing



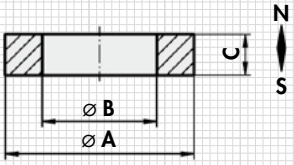
Disc magnets MK 50:



Cuboid magnets MK 51:



Ring magnets MK 52:



Disc magnets MK 50:

Type	A (mm)	B (mm)	Weight (kg)
MK 50 - 02 - 02	1.5	2	0.1
MK 50 - 02 - 04	2	4	0.1
MK 50 - 02 - 10	2	10	0.2
MK 50 - 03 - 03	3	3	0.2
MK 50 - 04 - 01	4	1.2	0.1
MK 50 - 04 - 02	4	1.5	0.1
MK 50 - 04 - 05	4	5	0.5
MK 50 - 05 - 03	5	3	0.4
MK 50 - 05 - 10	5	10	2.0
MK 50 - 06 - 02	6	2	0.4
MK 50 - 06 - 05	6	5	1.0
MK 50 - 08 - 06	8	6	2.0
MK 50 - 09 - 05	9	5	2.0
MK 50 - 10 - 03	10	3	2.0
MK 50 - 10 - 05	10	5	2.0
MK 50 - 14 - 04	13.5	3.5	4.0
MK 50 - 15 - 03	15	3	4.0
MK 50 - 15 - 05	15	5	4.0
MK 50 - 20 - 05	20	5	7.0
MK 50 - 20 - 10	20	10	23.0
MK 50 - 25 - 07	25	7	25.0

Cuboid magnets MK 51:

Type	A (mm)	B (mm)	C (mm)	Weight (kg)
MK 51 - 02 - 02 - 01	2	2	1	0.1
MK 51 - 03 - 03 - 01	3	3	1	0.1
MK 51 - 04 - 04 - 02	4	4	2	0.2
MK 51 - 04 - 05 - 05	4.8	4.8	4.5	0.8
MK 51 - 05 - 05 - 02	5	5	2	0.4
MK 51 - 05 - 05 - 01	5	4.5	1.5	0.2
MK 51 - 06 - 03 - 01	6	3	1	0.1
MK 51 - 06 - 06 - 05	6	6	5	1.0
MK 51 - 08 - 08 - 06	8	8	6	1.0
MK 51 - 10 - 07 - 02	10	7	2	3.0
MK 51 - 10 - 10 - 03	10	10	3	2.0
MK 51 - 10 - 10 - 06	10	10	6	4.0
MK 51 - 12 - 09 - 03	12	9	2.5	2.0
MK 51 - 15 - 15 - 05	15	15	5	8.0
MK 51 - 18 - 16 - 04	18	16	4	9.0
MK 51 - 20 - 10 - 05	20	10	5	7.0
MK 51 - 20 - 20 - 08	20	20	8	24.0
MK 51 - 30 - 10 - 06	30	10	6	13.0
MK 51 - 30 - 30 - 06	30	30	6	40.0
MK 51 - 50 - 20 - 08	50	20	8	59.0
MK 51 - 75 - 50 - 10	75	50	10	278.0

Ring magnets MK 52:

Type	A (mm)	B (mm)	C (mm)	Weight (kg)
MK 52 - 15 - 05 - 06	15	5	6	7.0
MK 52 - 20 - 04 - 05	20	4.2	5	11.0
MK 52 - 20 - 10 - 06	20	10	6	10.0
MK 52 - 25 - 12 - 08	25	12	8	22.0
MK 52 - 40 - 23 - 06	40	23	6	37.0

NOTE:

The magnetic capacity is not weakened even in case of strong opposing fields.
The magnets are subject to corrosion in the presence of high humidity and are not resistant against acid, lye and salt. Custom dimensions to your specifications available.

ORDERING EXAMPLE

Designation	SAV no. - type
Magnetic core	SAV 240.55 - MK 50 - 02 - 02