

## SAV 240.70

## FLEXIBLE PERMANENT MAGNETS

Easy to machine

## APPLICATION

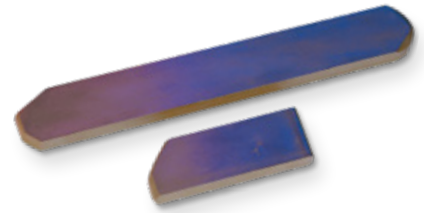
Bending produces ring magnets which are used for small DC motors by inserting them into the stator sleeve. Axially magnetised rings or discs can be punched out of strips. Holding magnet bars can be manufactured with excellent holding forces in any length. To achieve this, flexible magnet strips are placed between two flat pieces of iron (sandwich system, see drawing). They are attached using glueing or pressing. Easy to machine with normal tools.

## DESIGN

Improved magnetic capacity through length-wise alignment of the crystals in the magnetic field (anisotropy). Resistant to demagnetising, ageing-resistant.

## MAGNET MATERIAL

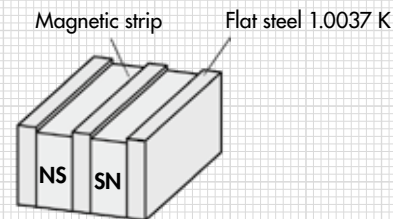
- Hard ferrite, polymer-bonded
- Max. service temperature: 85 °C
- Max. bending radius: 8 x thickness
- Hardness: 90 – 100 Shore
- Density: 3.7 g/cm<sup>3</sup>



## CHEMICAL RESISTANCE

**Excellent** – to air, ozone, steam. **Not affected** by mineral oil, weak acid and lye, kerosene and glycol. **Slightly affected** by nitric acid. **Swelling** caused by petrol, acetone, alcohol (90%). **Dissolved** by benzene, chlorinated solvents.

Type	mm		
	Thickness $\pm 0.15$	Width $\pm 0.25$	Length $\pm 0.50$
MF 10 - 03	3	25	200
MF 10 - 05	5	25	200
MF 10 - 06	6	30	200
MF 10 - 08 - 30	8	30	200
MF 10 - 08 - 09	8	9	250
MF 10 - 08 - 24	8	24	500



## ORDERING EXAMPLE

Designation	SAV no. - type
Flexible permanent magnet	SAV 240.70 - MF 10 - 06