

# Permanent samarium magnet ring type AS 03

REF 82.03

{ERREUR : balise [PRESTATION\_CRITERE\_ASOUST] inconnue}

High holding power

## High Tp° system, Prosthesis medical

Samarium Cobalt magnets are sintered magnets composed of Samarium powder and Cobalt. They have a high magnetic strength. They are fragile ceramics that should not be in presence of chlorine and hydrogen.

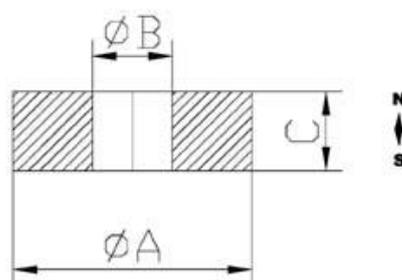
The strength is highest when the magnet is in contact with a Mild Steel, that is clean and thick enough. The Strength is reduced when in contact with Alloy steels (cast Iron -30%), due to air-gap or a high temperature (-0.04% per degree °C). **Samarium magnets are not Machinable, they can not be cut or drilled. The mounting is done with glue.** Magnetized depending on thickness.



### Options

All sizes available on request.

Reference	Poids en kg	A	B	C	D
82.03-8x5x6	0.002	8	5	6	10N
82.03-13x3.5x5	0.0018	13	3.5	5	12N
82.03-15x8x3.5	0.0037	15	8	3.5	23N
82.03-18x8x4	0.0067	18	8	4	31N
82.03-24x11x4	0.012	24	11	4	51N



D= Force - Force - Kraft