

Permanent cylindrical samarium magnet type AS 01

REF 82.01

{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.

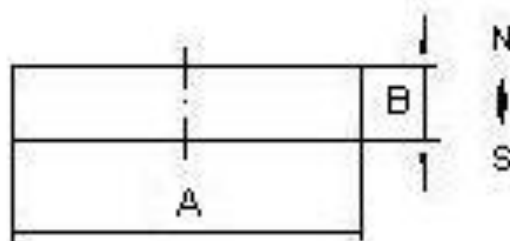
The strength is highest when the magnet is in contact with a Mild Steel, that is clean and thick enough. The Strength is reduced when in contact with Alloy steels (cast Iron -30%), due to air-gap or a high temperature (-0.04% per degree °C). **Samarium magnets are not Machinable, they can not be cut 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
120.01-4x2	0.0002	4	2	2N	
82.01-4x3	0.0003	400	3	2.5N	
82.01-5x3	0.0005	5	3	3.5N	
82.01-6x3	0.0007	6	3	4N	
82.01-6.5x1.5	0.0004	6.5	1.5	2N	
82.01-7x3	0.0009	7	3	5N	
82.01-8x2	0.0007	8	2	4N	
82.01-8x4	0.0014	8	4	8N	
82.01-9x5	0.003	9	5	12N	
82.01-10x3	0.002	10	3	10N	
82.01-10x5	0.005	10	5	15N	
82.01-12x3	0.003	12	3	11N	
82.01-12x5	0.006	12	5	17N	
82.01-14x3	0.004	14	3	14N	
82.01-15x3.5	0.0053	15	3.5	19N	
82.01-16x10	0.018	16	10	40N	
82.01-18x4	0.009	18	4	25N	
82.01-20x5	0.012	20	5	29N	
82.01-20x10	0.024	20	10	33N	
82.01-24x4	0.015	24	4	36N	
82.01-25x5	0.017	25	5	40N	
82.01-34x5	0.018	34	5	46N	
82.01-35x5	0.019	35	5	47N	
82.01-40x10	0.040	40	10	75N	
82.01-16x5	0.008	16	5	25N	



C = Force - Force - Kraft