

Permanent rectangular samarium magnet AS 02

REF 82.02

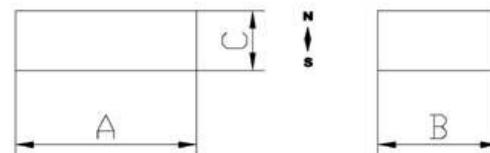
{ERREUR : balise [PRESTATION_CRITERE_ASOUST] inconnue}

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.**

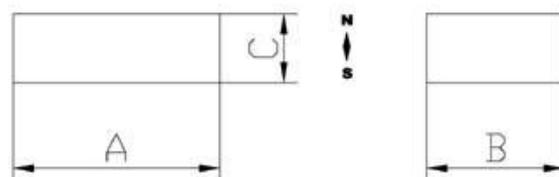


D= Force - Force - Kraft

Options

All sizes available on request.

| Reference | Poids en kg | A | B | C | D |
|--------------------|-------------|------|------|-----|------|
| 82.02-7.5x4x1.5 | 0.0004 | 7.5 | 4 | 1.5 | 3.4N |
| 82.02-7.5x6x2 | 0.0007 | 7.5 | 6 | 2 | 5N |
| 82.02-10x5x3 | 0.0012 | 10 | 5 | 3 | / |
| 82.02-10x7.5x2 | 0.0013 | 10 | 7.5 | 2 | 7.5N |
| 82.02-12x9.5x2.5 | 0.0025 | 12 | 9.5 | 2.5 | 11N |
| 82.02-12.5x6.5x5.5 | 0.004 | 12.5 | 6.5 | 5.5 | / |
| 82.02-15x15x3 | 0.006 | 15 | 15 | 3 | / |
| 82.02-16x12.5x2.5 | 0.004 | 16 | 12.5 | 2.5 | 15N |
| 82.02-18x16.5x4 | 0.010 | 18 | 16.5 | 4 | 29N |
| 82.02-20x10x2.5 | 0.004 | 20 | 10 | 2.5 | / |
| 82.02-20x10x5 | 0.008 | 20 | 10 | 5 | / |
| 82.02-20x12x5 | 0.010 | 20 | 12 | 5 | / |
| 82.02-25x8x6 | 0.010 | 25 | 8 | 6 | / |
| 82.02-26x20.3x5 | 0.022 | 26 | 20.3 | 5 | 51N |
| 82.02-30x10x6 | 0.015 | 30 | 10 | 6 | / |
| 82.02-33x26.3x6.5 | 0.047 | 33 | 26.3 | 6.5 | 85N |
| 82.02-50x50x25 | 0.512 | 50 | 50 | 25 | / |
| 82.02-62x62x2 | 0.065 | 62 | 62 | 2 | / |
| 82.02-62x62x4 | 0.130 | 62 | 62 | 4 | / |
| 82.02-62x62x10 | 0.315 | 62 | 62 | 10 | / |
| 82.02-100x100x3 | 0.245 | 100 | 100 | 3 | / |
| 82.02-100x100x5 | 0.410 | 100 | 100 | 5 | / |
| 82.02-100x100x10 | 0.820 | 100 | 100 | 10 | / |
| 82.02-2x2x1 | - | 2 | 2 | 1 | / |
| 82.02-4x4x2 | - | 4 | 4 | 2 | / |
| 82.02-5x5x1.5 | - | 5 | 5 | 1.5 | / |
| 82.02-5x5x3 | - | 5 | 5 | 3 | / |
| 82.02-13x7x2.5 | - | 13 | 7 | 2.5 | / |



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