

# Rectangular Neodyme AN 02 permanent magnet

REF 81.02

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

High holding power

## Relay, Sensor, Lock, Clamping, Step by step motor

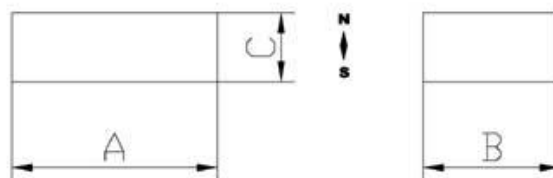
The **Neodymium magnet** (also known as **NdFeB**, **NIB** or **Neo magnet**) they are sintered magnets composed of NdFeB powder. A Surface treatment is necessary for corrosion protection (Zinc-Nickel-Or-Epoxy). The Neodymium Fer Bore magnets have a very high magnetic strength and a high resistance to demagnetization. They are fragile ceramics. 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 (-0.11% per degree C). **Neodymium magnets are not Machinable, they can not be cut or drilled. The mounting is done with glue. Magnetized depending on thickness.**



## Options

All dimensions are possible on simple request.

| Reference         | Poids en kg | A   | B    | C   | D    |
|-------------------|-------------|-----|------|-----|------|
| 81.02-5x1.5x1     | 0.00006     | 5   | 1.5  | 1   | 1.4N |
| 81.02-5x2.5x2     | 0.0002      | 5   | 2.5  | 2   | 4.5N |
| 81.02-5x4x2       | 0.0003      | 5   | 4    | 2   | 5.5N |
| 81.02-5x5x2       | 0.0004      | 5   | 5    | 2   | 6.5N |
| 81.02-6x4x2       | 0.0004      | 6   | 4    | 2   | 8N   |
| 81.02-7x6x1.2     | 0.0004      | 7   | 6    | 1.2 | 6N   |
| 81.02-7.5x4x1.5   | 0.0004      | 7.5 | 4    | 1.5 | 5N   |
| 81.02-8x4x3       | 0.0008      | 8   | 4    | 3   | 9N   |
| 81.02-10x4x1      | 0.0003      | 10  | 4    | 1   | 5.8N |
| 81.02-10x5x1      | 0.0005      | 10  | 5    | 1   | 6.5N |
| 81.02-10x5x2      | 0.0008      | 10  | 5    | 2   | 13N  |
| 81.02-10x7x3      | 0.0016      | 10  | 7    | 3   | 18N  |
| 81.02-10x10x3     | 0.0023      | 10  | 10   | 3   | 20N  |
| 81.02-12x12x2     | 0.0022      | 12  | 12   | 2   | 18N  |
| 81.02-15x3x1.2    | 0.0004      | 15  | 3    | 1.2 | 10N  |
| 81.02-15x10.5x3   | 0.0034      | 15  | 10.5 | 3   | 25N  |
| 81.02-16x12.5x2.5 | 0.004       | 16  | 12.5 | 2.5 | 24N  |
| 81.02-18x16.5x4   | 0.009       | 18  | 16.5 | 4   | 50N  |
| 81.02-20x10x5     | 0.008       | 20  | 10   | 5   | 50N  |
| 81.02-20x20x5     | 0.016       | 20  | 20   | 5   | 35N  |
| 81.02-25x10x2     | 0.0038      | 25  | 10   | 2   | 17N  |
| 81.02-26x20.3x5   | 0.002       | 26  | 20.3 | 5   | 77N  |
| 81.02-30x9x2      | 0.004       | 30  | 9    | 2   | 18N  |
| 81.02-33x26x6.5   | 0.040       | 33  | 26   | 6.5 | 125N |
| 81.02-35x14x7     | 0.026       | 35  | 14   | 7   | 110N |
| 81.02-40x20x5     | 0.030       | 40  | 20   | 5   | 120N |
| 81.02-40x20x10    | 0.057       | 40  | 20   | 10  | 210N |
| 81.02-50x16x5     | 0.030       | 50  | 16   | 5   | 132N |
| 81.02-50x50x8     | 0.140       | 50  | 50   | 8   | 360N |
| 81.02-100x100x20  | 1.5         | 100 | 100  | 20  | /    |



D= Force - Force - Kraft