

# Neodymium Magnets Flat Shape for Countersunk

- Dymex economy series Magnets - Round with holders come in a variety of cases, are easier to install, and more than twice as robust as the adhered units of single magnets.
  - 98 specifications in 11 series

## Dymex Economy Series Magnets With Holders



### Dimensional Drawing External Dimensions (Unit: mm)

- Surface finish may vary slightly between batches due to coating differences; this does not affect performance.
    - Flat-head bolt-type magnets have a thinner inner wall and are more fragile, install with a sliding motion to avoid damage.
    - Product upgrade in progress: newer versions include a stainless steel flat-head screw. Both old and new versions meet quality standards.
- Specifications Overview

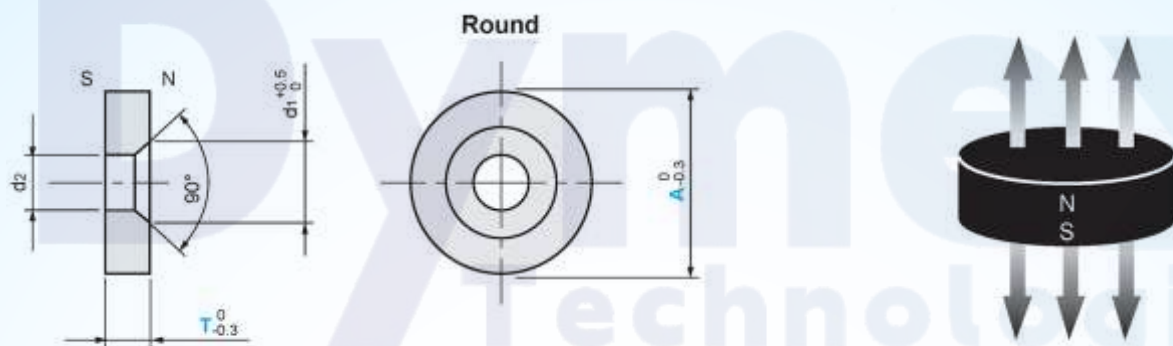
### Features:

- Compact design with high magnetic force
- Easy installation with flat-head bolts
- Steel casing enhances durability and holding power
- Available in standard and heat-resistant models

### Applications:

Ideal for mounting panels, covers, doors, fixtures, and sensors in automation, automotive, and furniture assemblies.

## Magnetization Direction : Thickness Direction



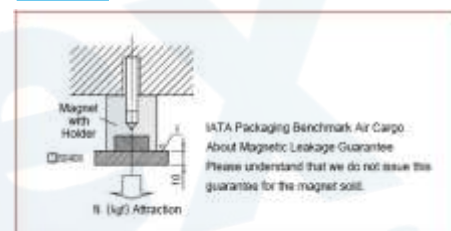
# Neodymium Magnets Flat Shape for Countersunk

Part Number		③ Thickness T	d1	d2	Accessories (To be equipped by yourself)	Attraction Force N { kgf }	
① Type	② O.D. A					Round	Round Heat-Resistant
<b>DC-NHXCC</b> <b>DC-NHXCC-S</b> (Round Neodymium Magnet)	8	2	5.5	3	M2.5-6	7.8 {0.8}	7.8 {0.8}
		3				10.8 {1.1}	10.8 {1.1}
		4				12.5 {1.3}	-
	10	3	6.5	3.5	M2.5-8	14.7 {1.5}	14.7 {1.5}
		4				18.6 {1.9}	18.6 {1.9}
		5				21.5 {2.2}	23.5 {2.4}
	12	3	9	4.8	M3-8	18.6 {1.9}	-
		4.5				23.5 {2.4}	41.1 {4.2}
	15	3	11	5.8	M4-10	41.1 {4.2}	-
		5				49 {5.0}	-
	20	4	13	7	M5-12	54.8 {5.6}	54.8 {5.6}
		5.5				58.8 {6.0}	-
6		78.4 {8.0}				78.4 {8.0}	
25	4	13	7	M6-15	58.8 {6.0}	-	
	6				78.4 {8.0}	78.4 {8.0}	

④ Attraction and surface flux density refer to the values of a single magnet (reference value).

Part Number		③ Thickness T	Surface flux density Gauss [G]	
① Type	② O.D. A		Round	Round Heat-resistant
<b>DC-NHXCC</b> <b>DC-NHXCC-S</b> (Round Neodymium Magnet)	8	2	2700~2900	2700~2900
		3	2900~3100	2900~3100
		4	3000~3300	-
	10	3	3400~3700	3400~3700
		4	3900~4200	3900~4200
		5	3900~4200	-
12	3	3500~3700	-	
	4.5	4100~4300	4100~4300	
15	3	3400~3700	-	
	5	4000~4300	4000~4300	
20	4	3200~3500	-	
	5.5	3900~4200	3900~4200	
25	4	3200~3600	-	
	6	3600~4000	3600~4000	

### Example



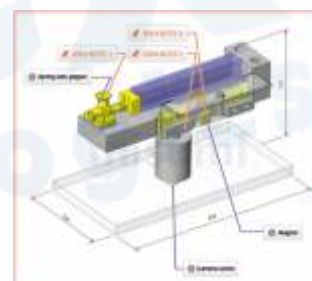
### Product Features

<b>Neodymium Magnets - Round</b>	Neodymium magnets are the most powerful magnets of all, and are ideal for reducing size and increasing the performance of devices. The disadvantage is that it is very easy to rust. Cobalt magnet and it are known as rare earth magnets.
<b>Cobalt Magnets - Round</b>	It is officially known as samarium cobalt magnet, with a strong magnetic force second only to neodymium magnet. Its advantage is being not prone to rusting and resistant to high temperature. But it has poor mechanical strength and is easy to be broken, so be careful when using.
<b>Ferrite Magnets - Round</b>	Ferrite magnets have a weak magnetic force but relatively high retentivity, and magnetism is not easy to decay. It has poor mechanical strength and is easy to be broken, so be careful when using.
<b>Al-Fe-Ni-Co Magnets - Round</b>	It has both the advantage of high temperature resistance and excellent mechanical strength. The disadvantage is that magnetism is very easy to attenuate.



Example ① Magnets - Round, Small PCB Soldering Fixture  
Magnetic attraction is used to hold the harness  
Purpose & Operation A soldering fixture to hold the PCB with a side clamp, and hold the harness by attracting the cover with a magnet.

Example ② Magnets - Round, Free Angle Soldering Fixture  
Easy one-touch workpiece holding mechanism  
Purpose & Operation A fixture to securely hold the workpiece without clearance during welding operations.  
Soldering to positions with poor working efficiency.



### Basic Specifications

- **Material** - Neodymium-Iron-Boron (NdFeB) with steel casing
- **Shape** - Flat round type with countersunk hole for flat-head screw mounting
- **Surface** - Finish: Nickel-plated (may vary slightly by batch)
- **Attachment Type** - Countersunk hole for M2.5-M5 screws
- **Attraction Force** - 7.8-54.8 N (depending on size and thickness)
- **Outer Diameter Range** - 8-20 mm
- **Thickness Range** - 2-5.5 mm
- **Mounting Style** - Through-hole countersunk, suitable for flush surface mounting - 2-5.5 mm

