

**Standard Type**

| Part Number | ①      |                            | ②                               |                | Heat Resistant Temperature | Polarity |      |
|-------------|--------|----------------------------|---------------------------------|----------------|----------------------------|----------|------|
|             | M      | S                          | M                               | S              |                            | Front    | Back |
| MGN         | SUM24L | Electroless Nickel Plating | Neodymium Magnet                | Nickel Plating | 80°C                       | N        | S    |
| MGNH        | SUS416 | -                          | Heat-resistant Neodymium Magnet | -              | 150°C                      | -        | -    |

For MGNH, heat-resistant adhesive is applied.

RoHS10

| Part Number<br>Type                              | D  | L  | MxP    | Attraction Force N (kgf) | Surface Magnetic Flux Density Gauss [G] | d <sub>1</sub> | B   | C   | ℓ  | Unit Price |      |
|--|----|----|--------|--------------------------|---|----------------|-----|-----|----|------------|------|
|  |    |    |        |                          |   |                |     |     |    | MGN        | MGNH |
| (Neodymium Magnet)<br><b>MGN</b>                 | 6  | 10 | 3x0.5  | 2.9 (0.3)                | 3000-3200                               | 4.0            | 2.0 | 0.3 | 6  |            |      |
|  | 8  |    |        | 5.8 (0.6)                | 3500-3700                               | 5.0            |     |     |    |            |      |
|  | 10 |    |        | 9.8 (1.0)                | 3400-3600                               | 6.0            |     |     |    |            |      |
| (Heat-resistant Neodymium Magnet)<br><b>MGNH</b> | 13 | 15 | 5x0.8  | 15.6 (1.6)               | 3200-3400                               | 7.0            | 1.5 | 0.5 | 10 |            |      |
|  | 16 |    |        | 36.2 (3.7)               | 3500-3700                               | 9.5            |     |     |    |            |      |
|  | 20 | 25 | 6x1.0  | 58.8 (6.0)               | 3100-3300                               | 12.5           | 2.0 | 1.0 | 16 |            |      |
|  | 25 |    |        | 112.7 (11.5)             | 3500-3700                               | 16.5           |     |     |    |            |      |
|  | 28 | 30 | 8x1.25 | 196.1 (20.0)             | 3300-3500                               | 18.5           | 3.0 | 1.5 | 18 |            |      |
|  |    |    |        |                          |   |                |     |     |    |            |      |

Attraction force and surface magnetic flux density are for reference only.

**Cap Type**

| Part Number | ①      |                            | ②                |                | Heat Resistant Temperature |
|-------------|--------|----------------------------|------------------|----------------|----------------------------|
|             | M      | S                          | M                | S              |                            |
| HXX         | SUM24L | Electroless Nickel Plating | Neodymium Magnet | Nickel Plating | 80°C                       |

RoHS10

| Part Number<br>Type | D          | L         | MxP        | Attraction Force N (kgf) | Surface Magnetic Flux Density Gauss [G] | d <sub>1</sub> | d <sub>2</sub> | B   | H | S | Unit Price |
|---------------------|------------|-----------|------------|--------------------------|---|----------------|----------------|-----|---|---|------------|
|                     |            |           |            |                          |   |                |                |     |   |   |            |
| 10                  | 11.8 (1.2) | 1900-2100 | 7          | 8                        | 1.5                                     | 1.0            |                |     |   |   |            |
| 13                  | 8          | 4x0.7     | 26.5 (2.7) | 2300-2500                | 9.5                                     | 11             | 2.0            | 1.5 |   |   |            |
| 16                  |            |           | 52.6 (5.4) | 2300-2500                | 12.5                                    | 14             |                |     |   |   |            |

The cap may come off if strong impacts are applied, or magnets directly come in contact with each other.

Attraction force and surface magnetic flux density are for reference only.



No direct contact with workpieces.



**Eccentric Mount Type**

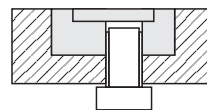
| Part Number | ①     |                            | ②                |                | Heat Resistant Temperature |
|-------------|-------|----------------------------|------------------|----------------|----------------------------|
|             | M     | S                          | M                | S              |                            |
| HXE         | SUM22 | Electroless Nickel Plating | Neodymium Magnet | Nickel Plating | 80°C                       |

RoHS10

| Part Number<br>Type | D          | L         | MxP        | Attraction Force N (kgf) | Surface Magnetic Flux Density Gauss [G] | d <sub>1</sub> | d <sub>2</sub> | B   | H   | S | Unit Price |
|---------------------|------------|-----------|------------|--------------------------|---|----------------|----------------|-----|-----|---|------------|
|                     |            |           |            |                          |   |                |                |     |     |   |            |
| 10                  | 19.6 (2.0) | 2700-3000 | 7          | 8                        | 1.5                                     | 1.0            |                |     |     |   |            |
| 13                  | 8          | 4x0.7     | 44.1 (4.5) | 3000-3400                | 9.5                                     | 11             | 2.0            | 1.5 | 1.0 |   |            |
| 16                  |            |           | 88.3 (9.0) | 3000-3400                | 12.5                                    | 14             |                |     |     |   |            |

Attraction force and surface magnetic flux density are for reference only.

The magnet with holder doesn't rotate when tightening.



**Knurled Type**

| Part Number | ①      |                            | ②                |                | Heat Resistant Temperature |
|-------------|--------|----------------------------|------------------|----------------|----------------------------|
|             | M      | S                          | M                | S              |                            |
| MGR         | SUM24L | Electroless Nickel Plating | Neodymium Magnet | Nickel Plating | 80°C                       |

RoHS10

| Part Number<br>Type | D          | L         | MxP          | Attraction Force N (kgf) | Surface Magnetic Flux Density Gauss [G] | d  | D <sub>1</sub> | B   | C | H  | E | Unit Price |
|---------------------|------------|-----------|--------------|--------------------------|---|----|----------------|-----|---|----|---|------------|
|                     |            |           |              |                          |   |    |                |     |   |    |   |            |
| 13                  | 15.7 (1.6) | 3500-3700 | 7.0          | 11                       | 1.5                                     |    |                |     |   |    |   |            |
| 16                  | 20         | 6x1.0     | 36.3 (3.7)   | 3400-3700                | 9.5                                     | 14 | 2.0            | 1.0 | 6 | 14 |   |            |
| 20                  |            |           | 58.8 (6.0)   | 3400-3700                | 12.5                                    | 18 |                |     |   |    |   |            |
| 25                  | 30         | 8x1.25    | 117.7 (12.0) | 3500-3900                | 16.5                                    | 23 | 3.0            | 1.5 | 8 | 22 |   |            |
| 28                  |            |           | 196.1 (20.0) | 3500-3900                | 18.5                                    | 26 |                |     |   |    |   |            |

Attraction force and surface magnetic flux density are for reference only.



Ordering Example

Part Number

HXE10