

Stationary Handles / Stainless Steel Handles - Stationary/Revolving / Ergonomic Handles - Stationary/Revolving / Revolving Handles with Caps

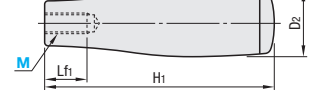
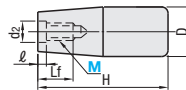
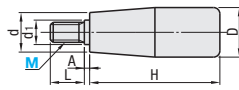


| Type | Shape | Handle | | Screw | |
|-------|-----------------|------------|---------------------|------------|---------------------|
| | | M Material | S Surface Treatment | M Material | S Surface Treatment |
| GRAM | Threaded | Phenol | | SUM23 | Trivalent Chromate |
| GRAMS | | | | SUS303 | - |
| GRAF | Tapped | | | | |
| GRAFC | Tapped (Insert) | Nylon 6 | | S45C | Trivalent Chromate |

**GRAM
GRAMS**

GRAF

GRAFC



| Part Number | | Mass (g) | | | | | | | | | | | Unit Price | | | | | | | |
|----------------------------------|------------|----------|----|----|----|------|-----|-----|----|----|----|----|------------|-------------|------|-------|------|------|-------|-------|
| Type | M (Coarse) | D | D2 | d | d1 | d2 | A | ℓ | H | H1 | L | Lf | Lf1 | GRAM, GRAMS | GRAF | GRAFC | GRAM | GRAF | GRAMS | GRAFC |
| GRAM Threaded | 6 | 17 | 19 | 12 | 8 | 6.5 | 1.5 | 1.8 | 40 | 65 | 13 | 20 | 12 | 16 | 10 | 30 | | | | |
| GRAMS Stainless Steel - Threaded | 8 | 21 | 24 | 17 | 11 | 8.5 | 2 | 4.5 | 50 | 80 | 16 | 26 | 16 | 26 | 16 | 32 | 20 | 40 | | |
| GRAF Tapped | 10 | 25 | | 20 | 13 | 10.5 | | | | | 20 | 33 | 20 | 61 | 37 | 45 | | | | |
| GRAFC Tapped Type Insert | 12 | 28 | 28 | 21 | 16 | 12.5 | 2.5 | 5 | 86 | 95 | 25 | 40 | 24 | 100 | 61 | 65 | | | | |



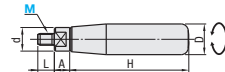
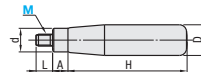
| Type | Handle | M Material | S Surface Treatment |
|-------|------------|------------|------------------------|
| GRMSN | Stationary | SUS304 | Electrolytic Polishing |
| GRMS | Revolving | SUS304 | Electrolytic Polishing |

(Stationary Handle)

GRMSN

(Revolving Handle)

GRMS



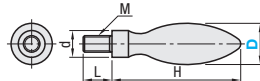
| Part Number | | Mass (g) | | | | | | | Unit Price | |
|-------------|------------|----------|----|----|----|-----|----|------|------------|--|
| Type | M (Coarse) | D | d | H | L | W | A | GRMS | GRMSN | |
| Stationary | 5 | 10 | 8 | 39 | 6 | 6.5 | 6 | 25 | | |
| GRMSN | 6 | 13 | 10 | 50 | 7 | 8 | 7 | 55 | | |
| Revolving | 8 | 16 | 13 | 60 | 8 | 10 | 8 | 100 | | |
| GRMS | 10 | 20 | 16 | 70 | 10 | 12 | 10 | 180 | | |



| Type | Mechanism | Handle | | Screw | |
|-------|------------|---------------|---------------------|------------|---------------------|
| | | M Material | S Surface Treatment | M Material | S Surface Treatment |
| GRMHF | Stationary | SS400 | Chrome Plating | SS400 | Chrome Plating |
| GRMK | | SS400 | | | |
| GRMAK | Revolving | A2024 | Shot Blasted | SS400 | Chrome Plating |
| GRMKB | | Polypropylene | | | |

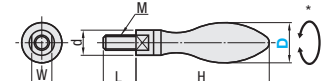
(Stationary Handle)

GRMHF



(Revolving Handle)

**GRMK
GRMAK
GRMKB**



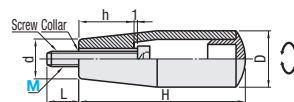
* Revolving Type only

| Part Number | | M (Coarse) | | | | d | H | H | W | L | Mass (g) | Unit Price | | | | |
|-------------|----------|------------|--------------------|-------|------|------------|-----------|-----------|------|-----|------------|------------|-------|------|-------|-------|
| Type | | D | GRMK, GRMKB, GRMHF | GRMAK | | Stationary | Revolving | Revolving | | | Stationary | Revolving | GRMHF | GRMK | GRMAK | GRMKB |
| Stationary | Steel | 13 | 5 | 8 | 10 | - | 49 | 8 | 11 | 30 | - | - | | | | |
| Revolving | Steel | 16 | 6 | | 48.5 | 55 | 8 | 14 | 48 | | | | | | | |
| | Aluminum | 20 | 8 | | 13 | 62.5 | 70.7 | 10 | 15.5 | 97 | | | | | | |
| | Plastic | 25 | 10 | 10 | 16 | - | 87.3 | 12 | 18 | 192 | | | | | | |

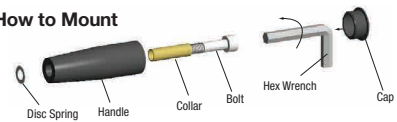


| Type | Handle | | Screw | | A Accessory |
|------|----------------|---------------------|--------------------|---------------------|-------------|
| | M Material | S Surface Treatment | M Material | S Surface Treatment | |
| GRM | Nylon6 (Black) | SCM435 | Trivalent Chromate | Disc Spring | |

Only the plastic grip rotates after attached to a handwheel.



How to Mount



| Part Number | | Mass (g) | | | | | | Unit Price |
|-------------|------------|----------|----|----|------|----|-----|------------|
| Type | M (Coarse) | D | d | H | h | L | GRM | |
| GRM | 5 | 18 | 13 | 55 | 18.5 | 10 | 25 | |
| | 6 | | | | | 30 | | |
| | 8 | 26 | 20 | 85 | 33 | 15 | 60 | |
| | 10 | | | | | 20 | 100 | |

