

Handles

Tapered / with Hex Socket / Foldable

Rotating Handles – Tapered

Type	① Handle			② Screw		③ Nut	
	Material	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment
GRC	Nylon6 (Black)	SWRM Low Carbon Steel	Trivalent Chromate	12L14 Carbon Steel	Chrome Plating		

ⓐ Only the plastic handle rotates after attaching to a handwheel.

How to Mount



Type	Part Number		D	D ₁	d	H	h	L	L ₁	W	W ₁	L	Mass (g)
	M (Coarse)												
GRC	8		20	13	12	55	5.5	8	6.5	10	2	11	40
	10		25	16	15	68		10	8	14		18	100
	12		30	21	20	85	10	13	9.5	17		23	180

Handles – with Hex Socket

Type	Handle		Screws	
	Material	Material	Surface Treatment	Surface Treatment
GRW	Phenol	1212 Carbon Steel	Trivalent Chromate	

How to Mount

Type	Part Number		D	d	d ₁	h	W	L	A	Mass (g)
	M (Coarse)-H									
GRW	6-28.5		14	11	8	28		10	0.5	13
	6-42.5		18	15	10	40	3	12	2.5	29
	6-52.5		21	17		50		13	2.5	42
	8-40		20	17	10	39	4	12		24
	8-55					54				44
	10-67		23	20	12	66	5	16		74
	10-75		23	20	12	74	5			77

Rotating Handles – Foldable

Type	Handle		Screw		Lock Nut	
	Material	Material	Surface Treatment	Material	Surface Treatment	Surface Treatment
GRMBM	Nylon	1045 Carbon Steel or Equivalent	Chrome Plating	1045 Carbon Steel or Equivalent	Chrome Plating	

ⓐ To fold the lever, pull up and fold down.
ⓑ Folding angle is 90°.

Type	Part Number		H	D	d	(h)	L	h ₁	H ₁	(d ₁)	W	Mass (g)
	M (Coarse)											
GRMBM	8		55	20	16	21	12.5	9	55	24	12	42
			81	20	16	28	12.5	9	81	30		80
	10		104	23	18	28	16	11	104	31	14	155

Part Number Example	Part Number	H
	GRC8	
	GRW8	40
	GRMBM8	55

Rotating Handles / Rotating Ball Knobs

Flat-Foldable Grips / Miniature / Miniature Stainless Steel

Rotating Handles – Flat-Foldable Grips

Type	Handle		Screw		Included Screw		
	Material	Material	Surface Treatment	Material	Surface Treatment	Material	Surface Treatment
GRMLM	Phenol Plastic	1018 Carbon Steel or Equivalent	Trivalent Chromate	Structural Alloy Steel	Trivalent Chromate		

ⓐ To fold the lever, pull up and fold down.
ⓑ There is a locating hole of Ø2.5 and 2.5 mm in depth.

Type	Part Number		H	D	d	h	L _f	H ₁	W	P	Included Screw	Mass (g)
	M (Coarse)											
GRMLM	5		53	18	15.5	15	5	57	17	5.25	M5 x 10	55
	6		80	23	18.5	19.5	6	87	20	6.5	M6 x 10	115
	8		95	26	18.5	19.5	6	102	20	7	M8 x 14	137

Rotating Handles – Miniature

Type	Shape	Handle		Screw	
		Material	Material	Surface Treatment	Surface Treatment
GRH	Threaded Tapped	Nylon 6	12L13 Carbon Steel	Black Oxide	
GRF					

ⓐ Only Plastic grip rotates after attaching to a handwheel.

Type	Part Number		Handle Color	H	Mass (g)
	M (Coarse)-D				
Threaded GRH	6-13		B Black	18.8	13
	6-14		W White	20.8	14
	6-16			23.8	16

Type	Part Number		Handle Color	H	Mass (g)
	M (Coarse)-D				
Tapped GRF	5-13		B Black	18.8	8
	5-14			20.8	9
	5-16			23.8	10

Rotating Handles – Miniature Stainless Steel

Type	Material	Surface Treatment
GRMSM	304 Stainless Steel	Electrolytic Polishing

Type	Part Number		Mass (g)
	M (Coarse)		
GRMSM	6		21

Rotating Ball Knobs

Type	Ball		Screw	
	Material	Material	Surface Treatment	Surface Treatment
PBG	Phenol Resin Brass (Insert)	1215 Carbon Steel	Electroless Nickel Plating	

Application Example

Due to its spherical body, the Ball Knob is easy to rotate with just the palm of your hand.

Type	Part Number		D	H	L	W	A	Mass (g)
	M (Coarse)							
PBG	6		20	18	7	10	3.6	12
			25	23				17
			30	28				25
	8		20	18	8	13	5	19
			25	23				25
			30	28				33
10		30	28	10	17	6	49	

Part Number Example	Part Number	D	Knob Color
	GRMLM5	13	W
	GRH6	16	B
	GRF5		
	GRMSM6	25	
	PBG8		