

* Fingertips for demonstration only.

RM-GB

Servo Gripper

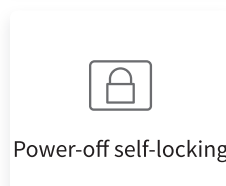


How to Order

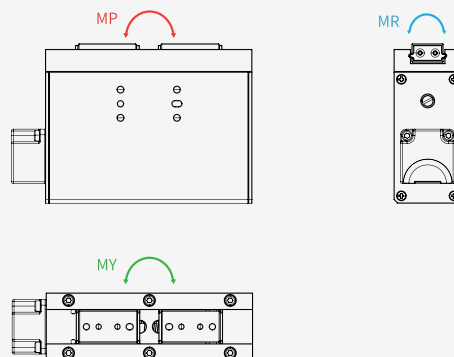
Model	Size Code	Stroke	Lead	Outlet Direction*	Wiring Method* & Length	Series	Brake ²
RM - GB -	11 -	40 -	2 -	1 -	A0028 -	ITG -	/
11	20 40	2	1 (Side Wiring) 2 (Bottom Wiring)	A (Aviation Plug SW) V (Vertical Wiring) H (Horizontal Wiring)	0028 / /	ITG	/
※Only the 20-stroke travel supports the outlet direction 1.							
17	30 60 80 120	2	1 (Side Wiring) 2 (Bottom Wiring)	A (Aviation Plug SW) V (Vertical Wiring) H (Horizontal Wiring)	0028 / /	ITG	/
11	20 40	2	1 (Side Wiring) 2 (Bottom Wiring)	S (Switched Wiring) V (Vertical Wiring) H (Horizontal Wiring)	0028 / /	/	/
※Only the 20-stroke travel supports the outlet direction 1.							
17	30 60 80 120	2	1 (Side Wiring) 2 (Bottom Wiring)	S (Switched Wiring) V (Vertical Wiring) H (Horizontal Wiring)	0028 / /	/	BK
※60 stroke clamp with mechanical self-locking, brake function not available.							

*For product exit position and exit method information, please refer to page 26.

Product Advantages



Torque Direction



Notes :

1. The data is sourced from the actual test results in the 25°C laboratory.
2. If you require a product with a brake, please contact your sales representative for a drawing.
3. The drawings provided in this Catalogue are for the default standard model. If you require other models with different motor directions, outlet directions, or outlet methods, please contact your local sales representative to obtain the drawings for the optional models.

Product Model and Specifications - ITG Integrated (Built-in Controller)

Item		Parameters					
Model Description	Model	RM-GB-11-20-2 -ITG	RM-GB-11-40-2 -ITG	RM-GB-17-30-2 -ITG	RM-GB-17-60-2 -ITG	RM-GB-17-80-2 -ITG	RM-GB-17-120-2 -ITG
	Size Code	11	11	17	17	17	17
	Stroke (mm)	20	40	30	60	80	120
	Type Code	2	2	2	2	2	2
Performance	Max.gripping Force ¹ (N)	65	110	350	175	500	500
	Max.speed (mm/s)	80	80	80	80	80	80
	Repeat Positioning Accuracy (mm)	±0.05	±0.05	±0.05	±0.05	±0.02	±0.02
	Max.opening/closing Time (s)	0.33/0.33	0.58/0.58	0.4/0.4	0.7/0.7	0.9/0.9	1.3/1.3
	Permissible Load Torque (N.m)	MR:8.0,MP:5.9, MY:5.9	MR:8.0,MP:5.9, MY:5.9	MR:58.5, MP:15.0, MY:25.5	MR:58.5, MP:15.0, MY:25.5	MR:60, MP:30, MY:40	MR:60, MP:30, MY:40
Control Method	Control Method	Bus	Modbus RTU/ CANopen	Modbus RTU/ CANopen	Modbus RTU/ CANopen	Modbus RTU/ CANopen	Modbus RTU/ CANopen
		Interface	I/O	I/O	I/O	I/O	I/O
	I/O Interface		Input 3 Points(NPN), Output 3 Points(NPN)	Input 3 Points(NPN), Output 3 Points(NPN)	Input 2 Points(NPN), Output 3 Points(NPN)	Input 2 Points(NPN), Output 3 Points(NPN)	Input 2 Points(NPN), Output 3 Points(NPN)
Operating Environment	Rated Voltage (V)		DC24±10%	DC24±10%	DC24±10%	DC24±10%	DC24±10%
	Rated Current (A)		2	2	4	4	4
	Weight (kg)		0.8	1.1	2.1	2.3	3.45
	Usage Environment		0~40°C、< 85%RH (Without condensation)				
	Protection Class IP		IP40	IP40	IP40	IP40	IP40

Product Model and Specifications - Split Type Model (External Controller)

Item		Parameters					
Model Description	Model	RM-GB-11-20-2	RM-GB-11-40-2	RM-GB-17-30-2	RM-GB-17-60-2	RM-GB-17-80-2	RM-GB-17-120-2
	Size Code	11	11	17	17	17	17
	Stroke (mm)	20	40	30	60	80	120
	Type Code	2	2	2	2	2	2
Performance	Max.gripping Force ¹ (N)	65	110	500	250	700	700
	Max.speed (mm/s)	80	80	80	80	80	80
	Repeat Positioning Accuracy (mm)	±0.05	±0.05	±0.02	±0.05	±0.02	±0.02
	Max.opening/closing Time (s)	0.33/0.33	0.58/0.58	0.4/0.4	0.7/0.7	0.9/0.9	1.3/1.3
	Permissible Load Torque (N.m)	MR:8.0, MP:5.9, MY:5.9	MR:8.0, MP:5.9, MY:5.9	MR:58.5, MP:15.0, MY:25.5	MR:58.5, MP:15.0, MY:25.5	MR:60, MP:30, MY:40	MR:60, MP:30, MY:40
Control Method	Power Failure Auto-Lock		Mechanical Self-Locking	Mechanical Self-Locking	Optional Brake	Mechanical Self-Locking	Optional Brake
	Compatible Controllers		RM-C-20, RM-CEP-20, RM-CEM	RM-C-20, RM-CEP-20, RM-CEM	RM-C-40, RM-CEP-40, RM-CEM	RM-C-40, RM-CEP-40, RM-CEM	RM-C-40, RM-CEP-40, RM-CEM
	Supporting Bus Protocols		Modbus RTU, EtherCAT, Modbus TCP, PROFINET, EtherNet/IP, CC-LINK, CANopen				
Operating Environment	Rated Voltage (V)		DC24±10%	DC24±10%	DC24±10%	DC24±10%	DC24±10%
	Rated Current (A)		2	2	4	4	4
	Weight (kg)		0.8	1.1	2.1	2.3	3.45
	Usage Environment		0~40°C、< 85%RH (Without condensation)				
Operating Environment	Protection Class IP		IP40	IP40	IP40	IP40	IP40

Selection Guide

Rapid Selection

Electric Gripper

Linear Actuator

Rotary Table

Direct-Drive Actuator

Controller & Cable Matching

Illustration of Optional Outlet Positions and Wiring Methods in this Series

1 Side Wiring - Optional Wiring Methods A/S/H/V

Recommendation

A - Aviation Plug SW



S - Switched Wiring



H - Horizontal Wiring



V - Vertical Wiring



2 Bottom Wiring - Optional Wiring Methods A/S/H/V

(Note: The RM-GB-11-20/RM-GB-11-20-ITG models cannot be selected with bottom wiring.)

Recommendation

A - Aviation Plug SW



S - Switched Wiring



H - Horizontal Wiring



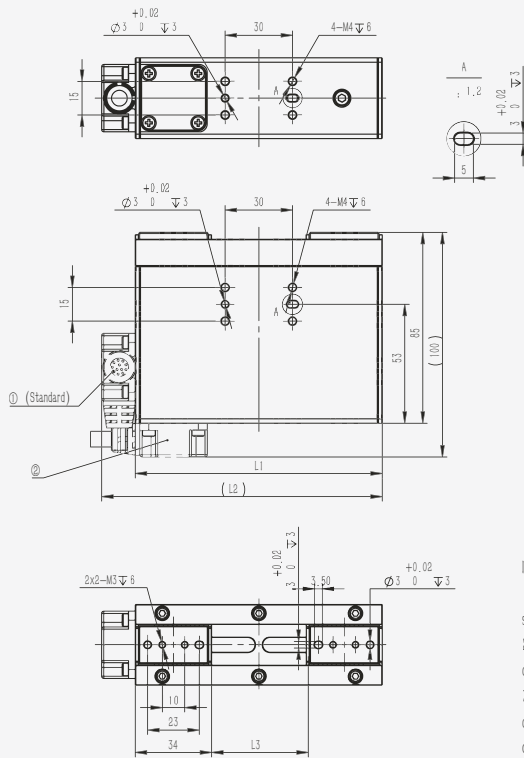
V - Vertical Wiring



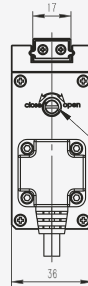
Note: Users can choose the appropriate wiring position and method based on the actual working conditions. If you have any questions, please consult your local sales engineer.

Dimensions of RM-GB-11-20/40 & RM-GB-11-20/40-ITG (20mm、40mm Stroke)

Unit: mm



Stroke	20	40
L1	90	110
L2	105	125
L3	0~20	0~40

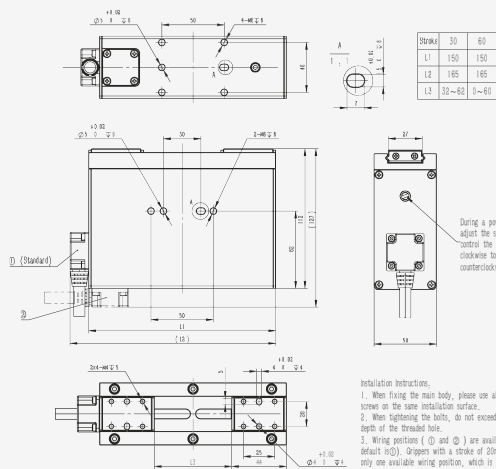


During a power failure, adjust the screw position to control the gripper. Turn it clockwise to open and counterclockwise to close.

Installation Instructions:

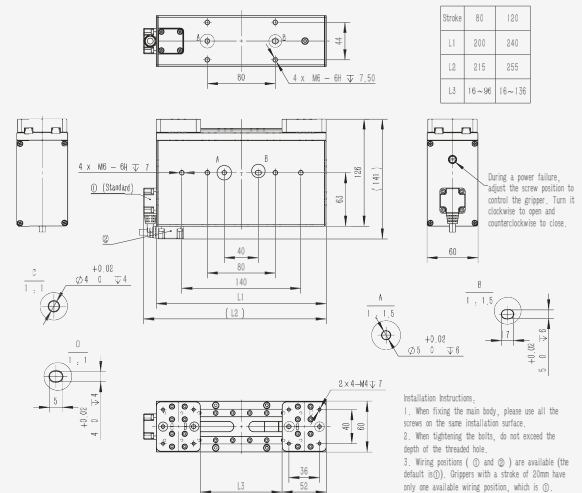
1. When fixing the main body, please use all the screws on the same installation surface.
2. When tightening the bolts, do not exceed the depth of the threaded hole.
3. Wiring positions (① and ②) are available (the default is ①). Grippers with a stroke of 20mm have only one available wiring position, which is ①.

Dimensions of RM-GB-17-30/60 & RM-GB-17-30/60-ITG (30mm、60mm Stroke)



- Installation Instructions:
1. When fixing the main body, please use all the screws on the same installation surface.
 2. When tightening the bolts, do not exceed the depth of the threaded hole.
 3. Wiring positions (① and ②) are available (the default is ①). Grippers with a stroke of 20mm have only one available wiring position, which is ①.

Dimensions of RM-GB-17-80/120 & RM-GB-17-80/120-ITG (80mm、120mm Stroke)



- Installation Instructions:
1. When fixing the main body, please use all the screws on the same installation surface.
 2. When tightening the bolts, do not exceed the depth of the threaded hole.
 3. Wiring positions (① and ②) are available (the default is ①). Grippers with a stroke of 20mm have only one available wiring position, which is ①.