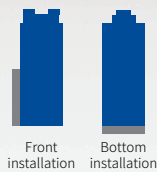


Direct Drive Rotary Gripper



The diagram illustrates the components of the model number **RGD-5-14-O-S-M-L5-J0-F0**:

- Serie**: RGD
- Gripping Force**: 5
- Stroke**: 14
- Brake**: O
- Cable Direction**: S
- Communication Protocol**: M
- Cable Selection**: L5
- Fingertip Selection**: J0
- Flange Selection**: F0

Legend:

- 14**: Without Brake
- O**: Without Brake
- W**: With Brake
- S**: Side
- B**: bottom
- M**: Modbus (RS485) [★]
- LX**: Without Extend Cable
- L1**: 1m Cable
- L3**: 3m Cable
- L5**: 5m Cable
- L10**: 10m Cable
- J0**: Without Fingertip
- J1**: Standard Fingertip
- F0**: Without Flange

The Modbus RTU (RS485) to USB module will no longer be provided for free. Please place a separate order if needed.

A diagram of a 6-axis force/torque sensor. It shows a rectangular block with a top plate. A vertical arrow labeled F_z points upwards from the center of the top plate. Two curved arrows represent moments: a pink one labeled M_y and a green one labeled M_x . The sensor is mounted on a base with a threaded rod and nut at the bottom left.

F_z	150 N
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M_x	$2 \text{ N} \cdot \text{m}$
M_y	$1.5 \text{ N} \cdot \text{m}$
M_z	$2.5 \text{ N} \cdot \text{m}$

			
Build-in Controller	Gripping Force Adjustable	Position Adjustable	Speed Adjustable
			
Drop Detection	Rotary Adjustable	Self-locking Mechanism	

- *① The peak torque can be increased to a maximum of 0.5 N · m. For specific details, please consult with technical support personnel.
- *② The recommended load calculation is based on pure friction force gripping, with a friction coefficient of 0.2 and a safety factor of 4. The center of gravity shift of the gripped object will also affect the load. If you have any questions, please consult us.
- *③ Requires external communication convertor or customization, please contact sales or technical support.
- *④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Gripping force (per jaw)	2-5.5 N
Recommended workpiece weight* ^②	0.05 kg
Stroke	14 mm
Full stroke opening/closing time	0.5 s/0.3 s
Repeat accuracy (position)	± 0.02 mm
Repeat accuracy (swiveling)	± 0.1 °
Max. rotation speed	1500 °/s
Rated torque	0.1 N·m
Peak torque* ^①	0.25 N·m
Rotary backlash	Zero backlash
Rotary range	Infinite Rotating
Weight	0.86 kg(without brake) 0.88 kg(with brake)
Size	149 mm x 50 mm x 50 mm Rotaty Diameter: 47 mm
Noise emission	< 60 dB

Communication interface	Modbus RTU (RS485) Optional: TCP/IP, EtherCAT ^{*③}
Rated voltage	24 V DC ± 10%
Current	1.2 A(Rated)/ 2.5 A(Peak) ^{*④}
Rated power	60 W
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS