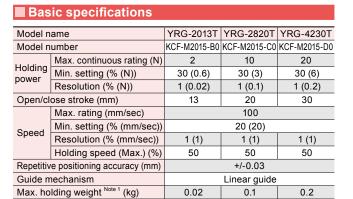
External force : Fb Distance of holding

Three fingers type

RG-2013T/2820T/4230T





- Speed control : 20 to 100% (1% steps)
 Multipoint position control : 10,000 ma : 30 to 100% (1% steps) : 1 to 100% (1% steps) Hoding power control
 Acceleration control

190

Note. Design the finger as short and lightweight as possible.

Note. Set the parameters and holding power (%) of the holding movement command so that any excessive shock is not applied to the finger during operation.

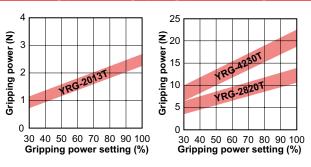
Note. When installing or uninstalling the finger, tighten the bolts while the finger is being held securely so that any excessive force or shock is not applied to the guide block.

Note. Workpiece weight that is able to be held may greatly vary depending on the material, shape, and/or holding surface conditions of the finger.

Note 1. The maximum gripping weight is the upper limit weight when the workpiece is gripped with maximum continuous rated gripping force.

Determine the weight of the workpiece to be gripped by considering the upper limit weight and the inertia force due to acceleration/deceleration and rotary operation in the

■ Gripping power vs. gripping power setting (%)



 Graph shows a general guide to gripping power versus gripping power setting (%). Variations will appear in the actual gripping power

External force: Fa

Allowable load and load moment

			YRG-2013T	YRG-2820T	YRG-4230T	
Finger	Allowable load		N	20	30	50
	Allowable pitching moment		N•m	0.1	0.2	0.4
	Max. weight (1 pair)		g	20	30	50
	Max. holding position	L	mm	20	30	40

340

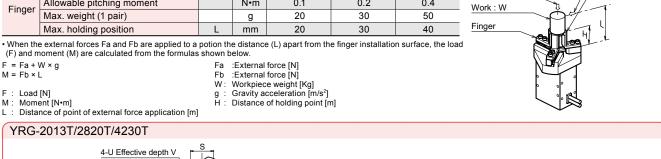
640

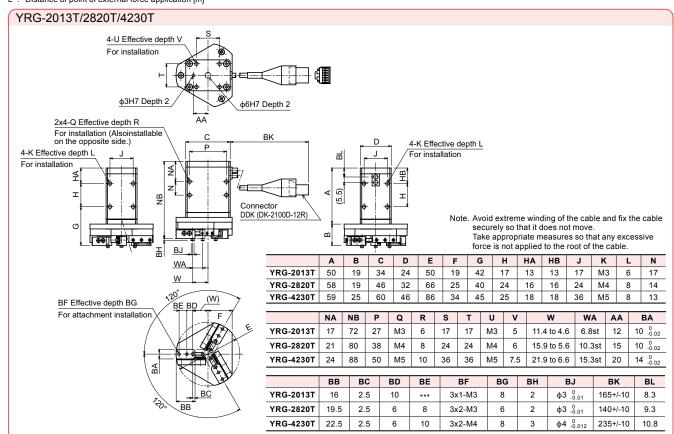
• When the external forces Fa and Fb are applied to a potion the distance (L) apart from the finger installation surface, the load

F = Fa + W × g

Weight (g)

Load [N]





■ Electric gripper basic specifications

Item		Specifications		
Basic specifications	Applicable controller	RCX320 / RCX340		
	Number of connection grippers	Max. 4 units		
Axis control	Control method	PTP motion		
	Min. setting unit	0.01mm		
	Position indication unit	Pulses, mm (millimeters)		
	Speed setting	20 to 100% (in 1% steps, Changeable by the program.)		
	Acceleration setting	1 to 100% (in 1% steps, Setting by the acceleration parameter)		
Programming	Teaching	MDI (coordinate data input), direct teaching, teaching playback,offline teaching (data input from external unit)		

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Grip	per contro	oi board s	pecifications

Item		Specifications		
Axis control	No. of axes	1 axis		
	Position detection method	Optical rotary encoder		
	Min. setting distance	0.01mm		
	Speed setting	Set in the range of 20 to 100% to the max. parameter speed.		
Protective alarm		Overcurrent, overload, voltage failure, system failure, position deviation over, feedback		
		error, etc.		
LED status indication		POWER (Green), RUN (Green), READY (Yellow), ALARM (Red)		
Power supply	Drive power	DC 24V +/-10% 1.0A Max.		

■ Part names and functions

RCX320 / RCX340

