RG-2020FT/2840FT



■ Basic specifications

Model	name	YRG-2020FT	YRG-2840FT				
	Max. continuous rating (N)	50	150				
Holding power	Min. setting (% (N))	30 (15)	30 (45)				
power	Resolution (% (N))	1 (0.5)	1 (1.5)				
Open/c	close stroke (mm)	19	38				
	Max. rating (mm/sec)	50	50				
Spood	Min. setting (% (mm/sec))	20 (10)	20 (10)				
Speed	Resolution (% (mm/sec))	1 (0.5)	1 (0.5)				
	Holding speed (Max.) (%)	50	50				
Repetitiv	e positioning accuracy (mm)	+/-0.01	+/-0.01				
Guide	mechanism	Linear guide					
Max. h	olding weight Note 1 (kg)	0.5	1.5				
Weight	(g)	420	890				

- Hoding power control: 30 to 100% (1% steps)
 Acceleration control: 1 to 100% (1% steps)
 Multipoint position control: 10,000 max.

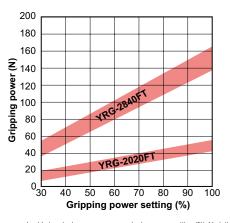
 Note. Design the finger as short and lightweight as possible.

 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 helding surface conditions of the finger. holding surface conditions of the finger.
- Note 1. Design the weight of a workpiece to be held so that it is approximately 1/10 to 1/20 of the holding power. (Consider further allowance when moving and swinging the gripper that keeps holding a workpiece.)

■ 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.

Allowable load and load moment

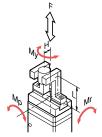
YRG-2020FT/2840FT

40

110 135+/-10

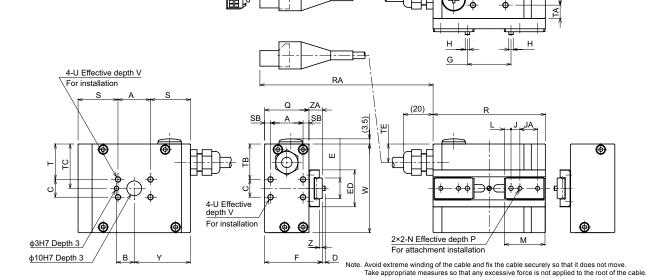
40

		YRG-2020FT	YRG-2840FT		
م المام	Allowable load	F	N	1000	1300
	Allowable pitching moment	Мр	N•m	3.5	5
Guide	Allowable yawing moment	Му	N•m	4.2	6
	Allowable rolling moment	Mr	N•m	7.3	12.7
Finger	Max. weight (1 pair)		g	40	80
	Max. holding position	L	mm	30	30
	Max. overhang	Н	mm	20	20



- Mount the finger so that the allowable load and load moment of the guide do not exceed the values stated in the table above.
 Make the adjustment so that the finger weight, holding length (L) from the installation surface to the holding point, and overhang (H) do not exceed the values stated in the table above
 Please contact your YAMAHA sales dealer for further information on combination of L and H.

Connector DDK (DK-2100D-12R)	4-U Effective depth V For installation



	A	В	0	0	1	E	ED	F	G	Н	J	JA	K		L	M	N	Р
YRG-2020FT	22	12	12	2	14	0 -0.05	25	39	10.5 to 29.5	ф3 _0_01	6	12	12	2	4.5	27.5	МЗ	5
YRG-2840FT	30	15	16	2	18	0 -0.05	30	52	13 to 51	ф4 _{-0.012}	8	14	14	1	5.5	34.5	M4	7.5
	Q	R	RA	S	SA	SB	Т	TA	ТВ	TC	TD	TE	U	V	w	Y	Z	ZA
VD 0 0000ET	-00	70	475 . / 40	0.7	0.7		0.4	_	0.4	00	40.5	40.5		_				

28

36

14

14

М5

7.5

72

55

28

12