Screw type "T" style

Guide mechanism

YRG-2840FT

YRG-2020FT

YRG-2840FT

30

Q

30

40

15

R

76

110

16

s

27

40

RA

175+/-10

135+/-10

18

SA

27

40

30

Т

24

28

SB

52

TΑ

9

12

13 to 51 ф4

ТВ

24

28

TC

30

36

8

TD

12.5

14

14

TE

12.5

14

14

ν

7.5

U

M4

M5

5.5

w

60

72

34.5

Υ

38

55

M4

3

7.5

ZΑ

9

12

Weight (g)

Max. holding weight Note 1 (kg)

RG-2020FT/2840FT

Linear guide

1.5

890



■ Basic specifications Model name YRG-2020FT YRG-2840FT Model number KCF-M2013-A0 KCF-M2013-B0 Max. continuous rating (N) 150 50 Holding Min. setting (% (N)) 30 (15) 30 (45) power Resolution (% (N)) 1 (0.5) 1 (1.5) Open/close stroke (mm) 19 38 Max. rating (mm/sec) 50 50 Min. setting (% (mm/sec)) 20 (10) 20 (10) Speed Resolution (% (mm/sec)) 1 (0.5) 1 (0.5) Holding speed (Max.) (%) 50 50 +/-0.01 Repetitive positioning accuracy (mm) +/-0.01

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

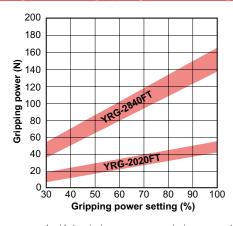
0.5

420

- 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. 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 (%)



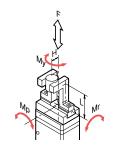
 Graph shows a general guide to gripping power versus gripping power setting (%). Variations will appear in the actual gripping power.

Allowable load and load moment

		YRG-2020FT	YRG-2840FT			
Guide	Allowable load	F	N	1000	1300	
	Allowable pitching moment	Мр	N•m	3.5	5	
	Allowable yawing moment	My	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 c



/RG-2020F	T/2840	OFT														
Connector DDK (DK-2100D-12R)							4-U Effective depth V SA A SA SA For installation									
									⊒{			-	• +	TACTA		
	4-U Effec	tive depth	V					RA	→		H G	-	H	_		
⊢ }		S A	8			SB	Q ZA	М — В — В — В — В — В — В — В — В — В —	(3.5)	(20)		R L	J JA	* 	•	
∪ ф3H7 Dep	<u> </u>	•	+		C 1-U Effectiv depth V For installat	e	● ● Z				ctive depth	1 P	# M		•	
<u>ф10Н7 De</u>	epth 3	[∕]	Y			*	F	D		Avoid ext it does no Take app	reme wind	ling of the			ble secure e force is n	•
	Α	В	С	D	E	ED	F	G	Н	J	JA	K	L	М	N	Р
YRG-2020FT	22	12	12	2	14 0 0	25	39	10.5 to 29.5	ФЗ _{-0.01}	6	12	12	4.5	27.5	M3	5