

Model Selection

ER083 CYLINDER
RCP3

3 Check Specifications

Gripper Type



The gripper type is used for gripping and centering workpieces. Gripping is done by a [pushing motion](#), and centering is done by a [positioning motion](#).

[Pushing]

For pushing motions, the criteria for selection are: (1) stroke and (2) maximum pushing force. From the table below, select a model that meets your requirements for the stroke and gripping force. Moreover, the gripping force can be adjusted between 20% to 70% (max. pushing force at 70%).

[Positioning]

For positioning motions, the criteria for selection are: (1) stroke and (2) speed. Based on the stroke requirements, look for a balance between the load capacity and the speed, and select a model that meets your requirements.

[How to Read the Table]

Type	Image	Stroke (mm) and Maximum Speed (mm/sec)											Maximum Grip Force (N)	Encoder Type	Controller Input Power	Model	See Page		
		8mm	10mm	14mm	20mm	40mm	60mm	100mm	120mm	200mm	19°	180°							
GRSS		78													14			RCP2-GRSS-I-20P-30-8	P.333
GRLS															600			RCP2-GRLS-I-20P-30-180	P.335
GRS			33.3												21			RCP2-GRS-I-20P-1-10	P.337
GRM				36.7											80	⊖24V		RCP2-GRM-I-28P-1-14	P.339

Annotations: Maximum Speed (points to 33.3), Stroke Range (points to 36.7), Maximum Gripping Force (points to 80)

Type	Image	Stroke (mm) and Maximum Speed (mm/sec)											Maximum Grip Force (N)	Encoder Type	Controller Input Power	Model	See Page		
		8mm	10mm	14mm	20mm	40mm	60mm	100mm	120mm	200mm	19deg.	180deg.							
GRSS		78													14			RCP2-GRSS-I-20P-30-8	P.333
GRLS															600			RCP2-GRLS-I-20P-30-180	P.335
GRS			33.3												21			RCP2-GRS-I-20P-1-10	P.337
GRM				36.7											80	⊖24V		RCP2-GRM-I-28P-1-14	P.339
GRST						75									20			RCP2-GRST-I-20P-1-***	P.341
						34								40				RCP2-GRST-I-20P-2-***	
GR8															45.1	I	⊖100V ⊖200V	RCS2-GR8-I-60-5-***	P.351
GR3LS															18			RCP2-GR3LS-I-28P-30-19	P.343
GR3LM															51			RCP2-GR3LM-I-42P-30-19	P.345
GR3SS			40												22		⊖24V	RCP2-GR3SS-I-28P-30-10	P.347
GR3SM				50											102			RCP2-GR3SM-I-42P-30-14	P.349

I = Incremental A = Absolute ⊖ = DC ⊕ = AC