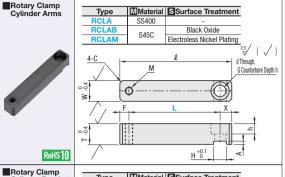
Rotary Clamp Cylinder Arms / Brackets / Guides



Part Number		\.,	_						v		_		_	Unit Price			
No.	Increment	W	'		۵	a	"	^	^	IVI	-	·	Ł	RCLA	RCLAB	RCLAM	
20	15~100	16	16	10	14	9	9	3	9	6	7	2	L+16				
25	15~100	16	16	10	14	9	9	3	9	6	7	2	L+16				
32	20~160	20	20	14	17.5	11	11	4	12	8	10	2	L+22				
40	20~160	20	20	14	17.5	11	11	4	12	8	10	2	L+22				
50	25~200	22	22	17	20	14	13	4	13	10	10	3	L+23				
	No. 20 25 32 40	No. Increment 20 15~100 25 15~100 32 20~160 40 20~160	No. Increment W 20 15~100 16 25 15~100 16 32 20~160 20 40 20~160 20	No. Increment W T 20 15~100 16 16 25 15~100 16 16 32 20~160 20 20 40 20~160 20 20	No. Increment W T H 20 15~100 16 16 10 25 15~100 16 16 10 32 20~160 20 20 14 40 20~160 20 20 14	No. Increment W T H G 20 15~100 16 16 10 14 25 15~100 16 16 10 14 32 20~160 20 20 14 17.5 40 20~160 20 20 14 17.5	No. Increment W T H G d 20 15-100 16 16 10 14 9 25 15-100 16 16 10 14 9 32 20-160 20 20 14 15 1 40 20-160 20 20 14 15 1	No. Increment W T H G d h	No. Increment W T H G d h P A C C C C C C C C C C C C C C C C C C	No. Increment W T H G d In M X	No. Increment W T H G G H A X M	No. No.	No. Increment W T H G d h A X M F C 20 15-100 16 16 10 14 9 9 3 9 6 7 2 25 15-100 16 16 10 14 9 9 3 9 6 7 2 32 20-160 20 20 14 17.5 11 11 14 12 8 10 2 40 20-160 20 20 14 17.5 11 11 14 12 8 10 2	No. No.	No. Increment W T H G d N A X M F C 2 A ACA ACA ACA ACA ACA ACA ACA ACA A	No. Increment W T H G d h N A X W F C L RCLAR RCLAR 20 15-100 16 16 10 14 9 9 0 3 9 6 7 2 L+16	

RCYB S\$400	ets	iypc	Miviatoriai	Courtage freatment
B d Through d Countebore Depth H				-
B d Through the Countenton Depth H		RCYBB	S45C	Black Oxide
	101	2-M	X	B d Through H
	~			· '

MMaterial Surface Treatment

2.5

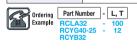
S45C

Part Number														Unit Price		
Туре	No.	Т	Т	D	Α	Р	Х	В	Е	F	М	d	d1	h1	RCYB	RCYBB
	20	9	24	38	25.5	18.25	P+E+X	6.25	19	M4	6.5	11	6.5			
	25	9	24	44	28	19	P+E+X	6	20	M4	6.5	11	6.5			
RCYB RCYBB	32	9	30	50	34	18	P+E+X	8	25	M4	6.5	11	6.5			
	40	9	35	60	40	19	P+E+X	10	30	M4	6.5	11	6.5			
	50	12	37	65	50	26.5	P+E+X	7.5	32.5	M6	9	14	9			

No. indicates applicable Rotary Clamp Cylinder Tube I.D.

	Part Nu	ımber	_							(
	Туре	No.	Selection	W	S	Н	В	Α	Р	
')		20-21	9 12 16	16	9	30	22	38	25.5	;
		20-31	9 12 16	10	9	40	32	30	25.5	
		25-21	9 12 16	16	9	30	22	44	28	
		25-31	9 12 16			40	32			
	RCYG	32-25	9 12 16	20	9	33	22	50		
	RCYGB	32-35	9 12 16	20		43	32	30	34	
		40-25	9 12 16	20	9	33	21	60	40	
		40-35	9 12 16	20		43	31			
		50-40	9 12 16	22	12	50	34	65	50	
		50-70	9 12 16	22		80	64		30	ľ
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No. indicates applicable Rotary Clamp Cylinder Tube I.D / Stroke

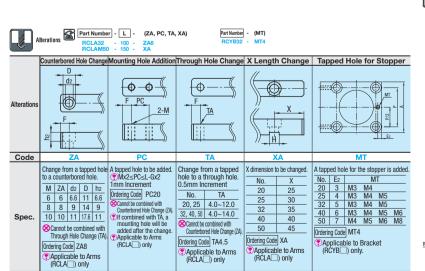


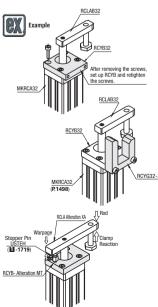
RoHS10

RoHS'

Type

Rotary Clamp Cylinder Guide





Compact Parallel Grippers - Overview

Compact Parallel Gripper - Features

- These are lightweight and compact, as well as achieving the high-rigidity and high gripping forces
- High gripping repeatability leads to less gripping errors.
- •These can be used with the fingers, which are easy-to-select depending on column, cylindrical or square workpiece shape.
- •The fingers can be mounted to the main body directly, having more freedom
- By installing attachments (optional), it can be mounted with the same mounting method with the guide-integrated type Pneumatic Grippers.

Selection Guide

- Selection Procedure
- ①Confirmation of Conditions: Confirm the necessary open/close stroke. workpiece weight and shape.
- 2) Calculation of Required Gripping Force: The required gripping force should be 10 to 20 times of the workpiece weight. (When high acceleration, deceleration or impact load may occur, higher multiplier should be selected.)
- 3 Selection of Types: The gripping forces are different by gripping methods (External Grip / Internal Grip), gripping point distance and operating pressure depending on types. Select the appropriate model from the Gripping Force
- Precautions for Selection

■ Gripping Point - Gripping Force Data

ACHK4-N (Single Acting)

Grip Point L (mm)

ACHK6-N (Single Acting)

- Design the Finger Attachments to be lightweight and short.
- Set the overhang under the limit of specified value of each product type.
- Lateral overhang loads will apply torsional moments on the sliding components and it may cause premature wear

Grip Point L (mm)

10 20 30 40 50 Grip Point L (mm)

ACHK4-D (Double Acting) ACHE4-N (Single Acting)

ACHK6-D (Double Acting) ACHE6-N (Single Acting)

Grip Point L (mm)

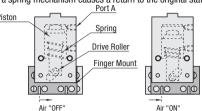
10 20 30 40 Grip Point L (mm)

Repeatability

Open/Close Operation

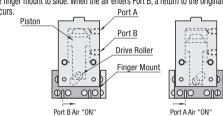
Single Acting Type

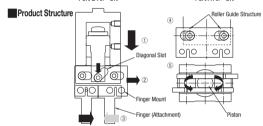
When the air enters the Port A, it presses the piston, and the drive roller presses the finger mount to slide. When the air is released from Port A. a spring mechanism causes a return to the original state.



Double Acting Type

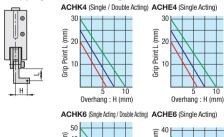
When the air enters the Port A, it presses the piston, and the drive roller presses the finger mount to slide. When the air enters Port B, a return to the original state



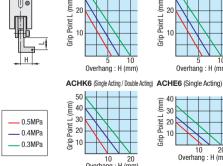


- 1) Piston descends.
- 2) The diagonal slot moves to the arrow direction
- (3) Fingers (Attachment) close
- (4)2 rollers guide the cylinder movement
- (5) The niston rotates when moving forward and back and presses the finger mount onto the inner wall of the cylinder. The clearance will be locked up by this mechanism.

Gripping Point - Overhang Data



10 20 30 40 50 Grip Point L (mm)



 $^{\star}\, L$ for the Spring Clamp should be within 20

Overhang : H (mm)

Performance +0.01mm 100 Million Open/Close Cycles moared to the same size products from other



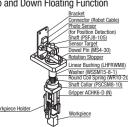


^{*} For ACHE Type, only Single Acting Type is available.
* The operation speed of ACHE Type is Max.180CPM.

How to Grip • Single Acting Type • Double Acting Type Air Clamp Spring Clamp Air Clamr *Port B Air Clamping is low in gripping forces so that it does not perform well

App. Example

• Up and Down Floating Function



Safety Precautions

- Do not use the cylinder for the following applications
- 1. Medical Equipment for Sustaining Human Life or Maintaining the Human Body 2. Systems or Machine Equipment for Moving or Transporting Humans, 3, Vital Parts of Machinery, These products are not designed to be used for purposes requiring high levels of safety. Loss of human life may result.
- Do not use in locations with dangerous combustible or flammable objects. The objects may ignite or catch fire.
- Never modify the products. It may cause injury, electric shock or fire by abnormal operations. Avoid inappropriate dismantling or re-assembling of the products which affect the basic structure, performance or functions
- 🗑 Do not splash water on the products. If the products are made wet, washed or used in the water, they may cause injury, electric shock or fire by abnormal operations.