

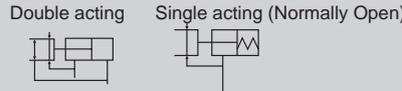


Pneumatic Cylinders II
Catalog No. CB-030SA

Feather hand (mini-fulcrum hand) Double acting/single acting

FH500-FP1 Series

● Open angle: 20° / Closed angle: -5°



Specifications

Item	FH500							
	FH510-D	FH512-D	FH516-D	FH520-D	FH510-O	FH512-O	FH516-O	FH520-O
Actuation	Double acting				Single acting			
Working fluid	Compressed air							
Max. working pressure MPa	0.7							
Min. working pressure MPa	0.15				0.25			
Proof pressure MPa	1.05							
Ambient temperature °C	5 to 60							
Port size	M3		M5		M3		M5	
Open/close degree °	20° at open, -5° at closed							
Body weight g	43	53	92	135	43	53	92	136
Repeatability (initial value) mm	±0.03							
Max. operating frequency cycles/second	3							
Cushion	Open side rubber cushion							
Lubrication	Not required							
Option	Proximity switch (2-wire/3-wire) * Closed side speed controller/end mount							

* Integrated speed controller is available only for double acting.

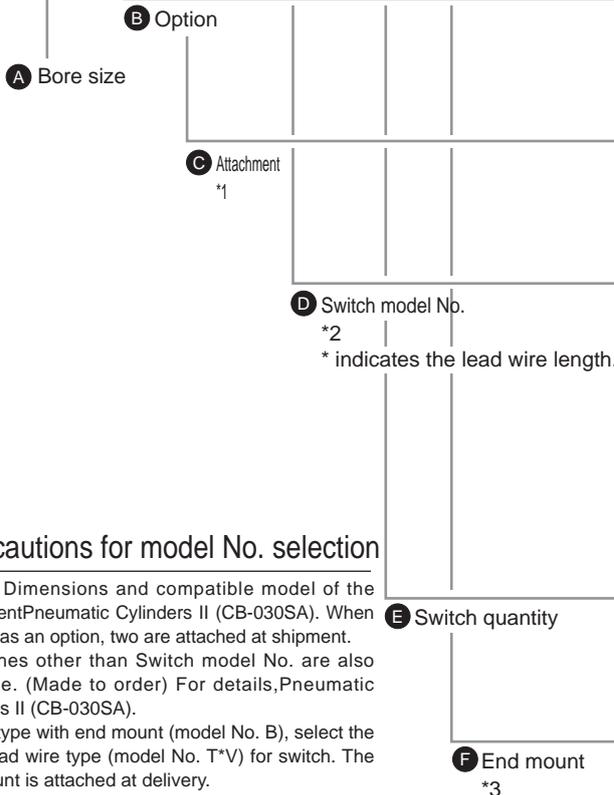
How to order

Without switch

FH5 **10** - **D** **Y1** ————— **B** **FP1**

With switch

FH5 **10** - **D** **Y1** - **T2V** - **R** - **B** **FP1**



⚠ Precautions for model No. selection

*1: For the Dimensions and compatible model of the attachment Pneumatic Cylinders II (CB-030SA). When ordered as an option, two are attached at shipment.

*2: Ⓞ Switches other than Switch model No. are also available. (Made to order) For details, Pneumatic Cylinders II (CB-030SA).

*3: For the type with end mount (model No. B), select the radial lead wire type (model No. T*V) for switch. The end mount is attached at delivery.

Code	Description
A Bore size	
10	ø10
12	ø12
16	ø16
20	ø20

B Option	
D	Double acting
O	Single acting (normally open)
Z	Double acting integrated speed controller

C Attachment	
Blank	Without attachment
Y1	With attachment (S50C)
Y2	With attachment (MC nylon)

D Switch model No.						
Lead wire	Lead wire	Contact	Voltage		Display	Lead wire
			AC	DC		
T2H*	T2V*	Proximity	●		1-color display	2-wire
T3H*	T3V*		●			3-wire

* Lead wire length	
Blank	1 m (standard)
3	3 m (option)
5	5 m (option)

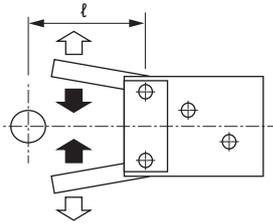
E Switch quantity	
R	1 on open side
H	1 on closed side
D	2

F End mount	
Blank	Without end mount
B	With end mount

Gripping power performance data

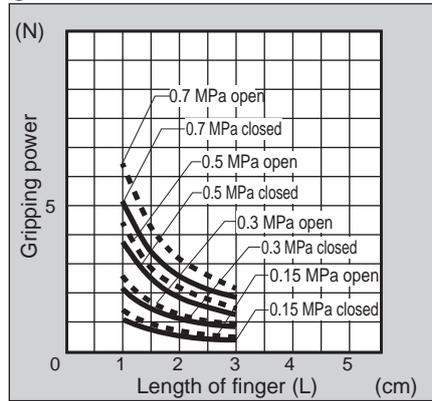
Gripping power in the opening/closing directions with finger length l of hand with a supply pressure of 0.15 to 0.7MPa.

- Open direction (↺) - - - - (shown with broken line)
- Closed direction (↻) - - - - (shown with continuous line)

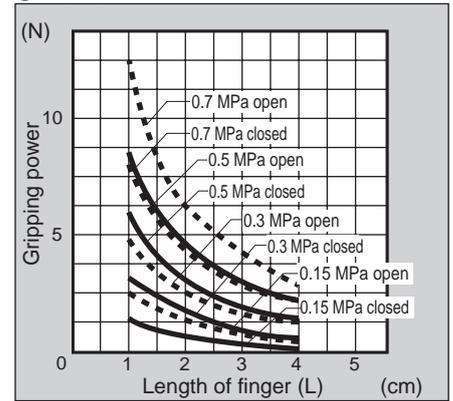


(Note) Single acting closed side gripping power is decreased by 25 to 30% compared to the double acting type. When making a selection, read the precautions for design and selection in Pneumatic Cylinders II (CB-030SA).

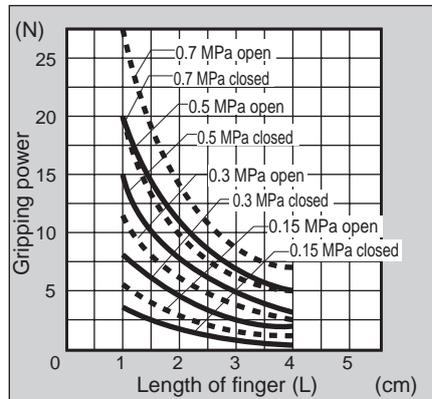
● FH510



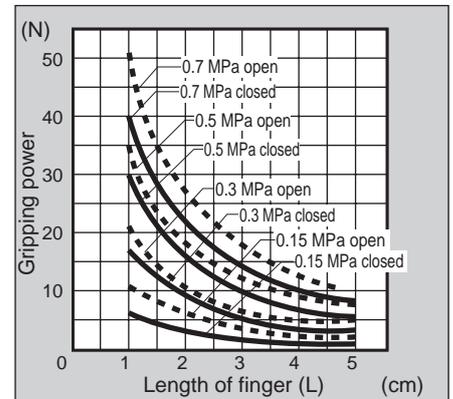
● FH512



● FH516



● FH520



Refer to the FH500 Series in "Pneumatic Cylinders II (CB-030SA)" for dimensions.

Electric actuator	Pneumatic cylinders	Assistive device	Pneumatic valves	FRL/Auxiliary Components Electronic Component	Vacuum components	Main line components	Fluid control valves	Main line components	Anti-bacterial/ bacteria-removing filter	Vacuum components	Fluid control valves
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