

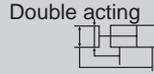


Pneumatic Cylinders II  
Catalog No. CB-030SA

Lateral parallel hand Double acting

# HCP Series

● Operating Stroke: 20, 30, 40 mm



Pneumatic actuator  
 Hand/Chuck  
 Pneumatic cylinders  
 Related products  
 Cylinder/Switch  
 Vacuum components  
 Pneumatic valves  
 Clean air components  
 Speed controller  
 Fitting  
 Auxiliary valve  
 Silencer  
 Tube  
 Gas generator  
 Fluid control components  
 Motor specification  
 Motorless specifications

## Specifications

Item	HCP		
	2CS	3CS	4CS
Size	2CS	3CS	4CS
Bore size mm	ø12	ø20	ø32
Actuation	Double acting		
Working fluid	Compressed air		
Max. working pressure MPa	0.7		
Min. working pressure MPa	0.3		
Ambient temperature °C	5 to 60		
Port size	M5		Rc1/8
Operating Stroke mm	20	30	40
Rod diameter mm	ø10	ø12	ø16
Capacity of reciprocation cm <sup>3</sup>	2.3	9.4	32.1
Repeatability mm	±0.05		
Product weight kg	0.52	0.98	1.90
Lubrication	Not available		

## Compatibility table by variation

Applicable bore size		Double acting
ø12/20/32	P4	●
	P40	●

●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details. □: Not applicable

## How to order

Without switch  
**HCP - 2CS - Y1 - P4/P40**

With switch  
**HCP - 2CS - Y1 - SW11 - R - P4/P40**

Ⓐ Size

Ⓑ Option  
\*1

Ⓒ Switch model No.

Ⓓ Switch quantity

Code	Description
<b>Ⓐ Size</b>	
2CS	
3CS	
4CS	
<b>Ⓑ Option</b>	
Blank	Standard (double acting)
Y1	With attachment (S50C)
Y2	With attachment (MC nylon)
<b>Ⓒ Switch model No.</b>	
Refer to the compatibility table on Intro Pages 23 to 26 for switch model No.	
<b>Ⓓ Switch quantity</b>	
R	1 on open side
H	1 on closed side
D	2

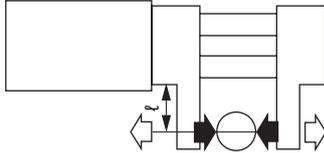
### ⚠ Precautions for model No. selection

\*1: For option Y1 and Y2 attachments, two are included on delivery.

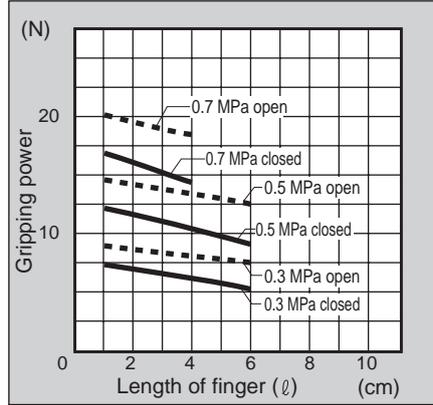
### Gripping power performance data

The gripping force in the opening/closing directions with a finger length  $\ell$  of the hand with a supply pressure of 0.3, 0.5, and 0.7 MPa is shown.

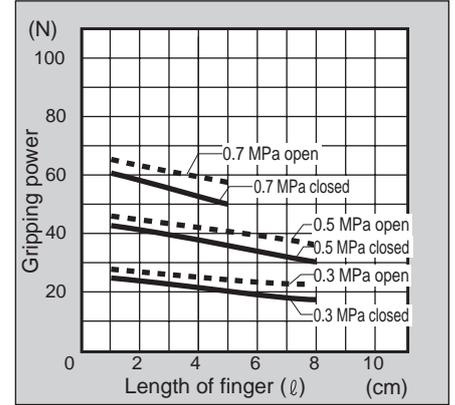
- Open direction (↔) - - - - (shown with broken line)
- Closed direction (➡) ——— (shown with continuous line)



#### ● HCP-2CS



#### ● HCP-3CS



#### ● HCP-4CS

