

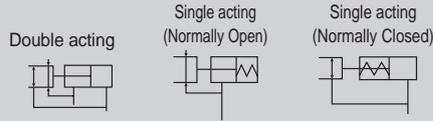
Compact cross roller parallel hand with rubber cover Double acting/single acting

BHG Series

● Operating Stroke: 5, 9, 11, 15 mm



Pneumatic Cylinders II
Catalog No. CB-030SA



Specifications

Item	BHG				
	01CS	03CS	04CS	05CS	
Size	01CS	03CS	04CS	05CS	
Bore size	mm	∅12	∅16	∅20	
Actuation	Double acting/single acting				
Working fluid	Compressed air				
Max. working pressure	MPa	0.7			
Min. working pressure	MPa	0.15			
	Double acting				
	Normally Open				
	Normally Closed	0.3			
Ambient temperature	°C	5 to 60			
Port size		M3	M5		
Operating Stroke	mm	5	9	11	15
Rod diameter	mm	∅6	∅8	∅10	∅12
Capacity of reciprocation	cm ³	0.32	1.58	2.89	6.32
Repeatability	mm	±0.01			
Product weight	kg	0.118	0.165	0.238	0.455
Lubrication		Not available			

How to order

Without switch



With switch



A Size

B Option
*1

C Switch model No.

D Switch quantity

Code	Description
A Size	
01CS	
03CS	
04CS	
05CS	
B Option	
Blank	Standard (double acting)
O	Single acting (Normally Open)
C	Single acting (Normally Closed)
Y1	With attachment (S50C)
Y2	With attachment (MC nylon)
C Switch model No.	
Refer to the compatibility table on Intro Pages 23 to 26 for switch model No.	
D Switch quantity	
R	1 on open side
H	1 on closed side
D	2

Compatibility table by variation

Applicable bore size		Double acting	Single acting Normally Open	Single acting Normally Closed
			O	C
∅12/16 20/25	P4	●	●	●
	P40	●	●	●

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

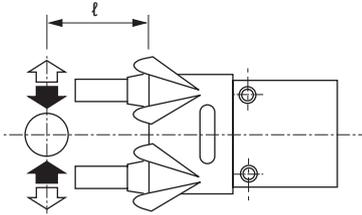
Precautions for model No. selection

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

Gripping power performance data

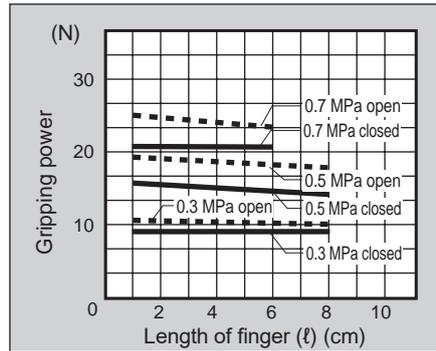
The gripping force in the opening/closing directions with a finger length ℓ of the hand with a supply pressure of 0.3, 0.5, and 0.7 MPa is shown.

- Open direction (←) ----- (Broken line)
- Closed direction (→) ——— (shown with continuous line)

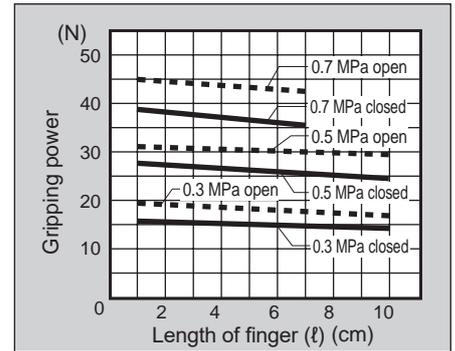


(Note) O type gripping force decreases approximately 20 to 30% in the closed direction compared to double acting. C type gripping force decreases approximately 10 to 20% in the open direction compared to the double acting type.

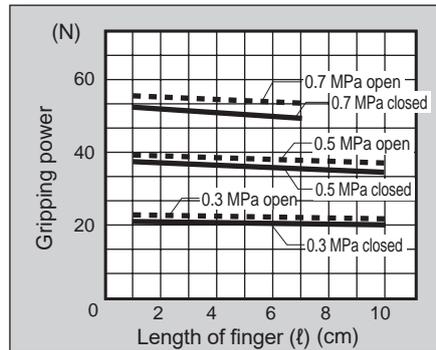
● BHG-01CS



● BHG-03CS



● BHG-04CS



● BHG-05CS

