

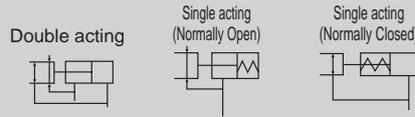


Pneumatic Cylinders II
Catalog No. CB-030SA

2-way powerful chuck

CKLB2 Series

● Operating Stroke: 5, 6, 8, 10, 12, 16, 20, 23 mm



Specifications

Item	CKLB2-20CS	CKLB2-25CS	CKLB2-32CS	CKLB2-40CS	CKLB2-50CS	CKLB2-63CS	CKLB2-80CS	CKLB2-100CS
Bore size mm	ø20	ø25	ø32	ø40	ø50	ø63	ø80	ø100
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	5	6	8	10	12	16	20	23
Rod diameter mm	ø6	ø8	ø10	ø12	ø14	ø16	ø16	ø20
Capacity of reciprocation cm ³	1.8	3.3	7.7	15.6	28.3	60.3	118.2	215.5
Repeatability mm	±0.01							
Product weight kg	0.13	0.20	0.32	0.38	0.58	1.00	2.00	3.53
Lubrication	Not available							

How to order

CKLB2 - **20CS** - **O** - **SW11** - **R** - **P4 P40**

A Size

B Option
*1, *2

C Switch model No.

D Switch quantity

Code	Description
A Size	
20CS	
25CS	
32CS	
40CS	
50CS	
63CS	
80CS	
100CS	
B Option	
Blank	Standard (double acting)
O	Single acting (Normally Open)
C	Single acting (Normally Closed)
Y1	With attachment Material: S45C
Y2	With attachment Material: 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	P4	Double acting	Single acting Normally Open	Single acting Normally Closed
		●	●	●
ø20/25/32/40/50/63/80/100	P40	●	●	●

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

⚠ Precautions for model No. selection

- *1: Attachment is commonly used for internal and external diameter chuck.
- *2: For attachment of option Y1 and Y2, two are included on delivery.

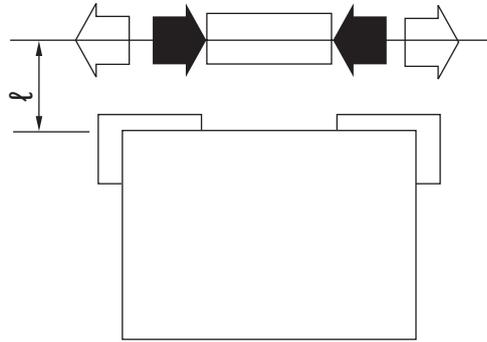
Pneumatic actuator
 Hand/Chuck
 Related products
 Pneumatic cylinders
 Cylinder/Switch
 Vacuum components
 Pneumatic valves
 Clean air components
 Speed controller
 Fitting
 Auxiliary valve
 Silencer
 Tube
 Pneumatic auxiliary components
 Gas generator
 Fluid control components
 Motor specifications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

Gripping power performance data

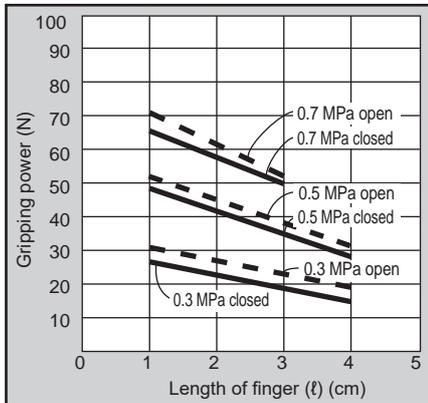
The gripping force in the opening/closing directions with a finger length l of the hand with a supply pressure of 0.3, 0.5, and 0.7 MPa is shown.

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

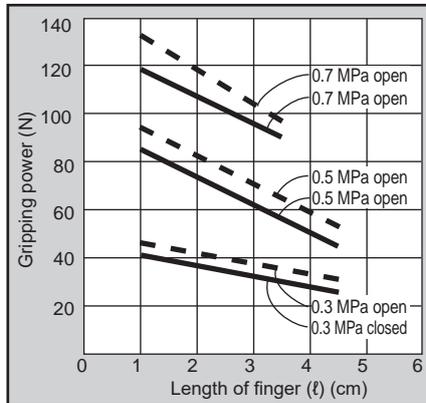
(Note) O type gripping force decreases approximately 20 to 30% in the closed direction compared to double acting. C type gripping force decreases approximately 10 to 20% in the open direction compared to the double acting type.



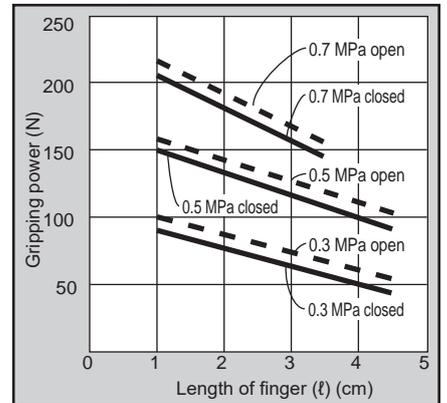
● CKLB2-20CS



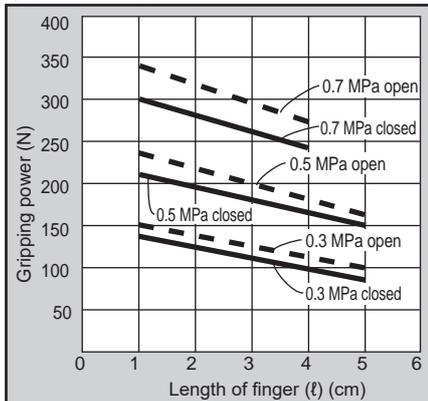
● CKLB2-25CS



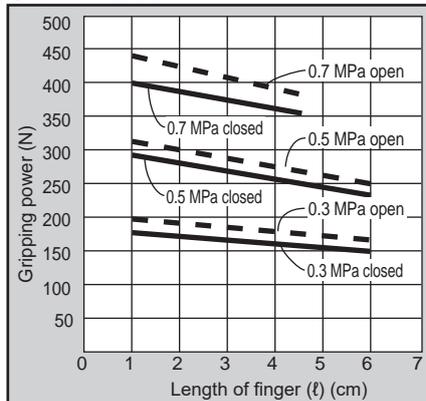
● CKLB2-32CS



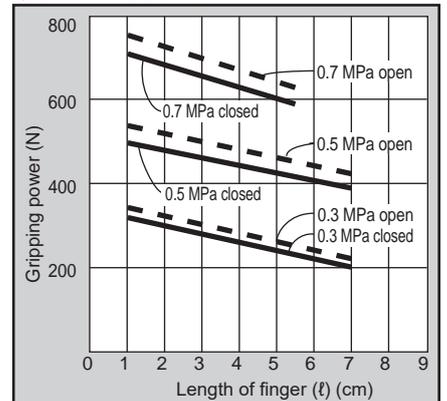
● CKLB2-40CS



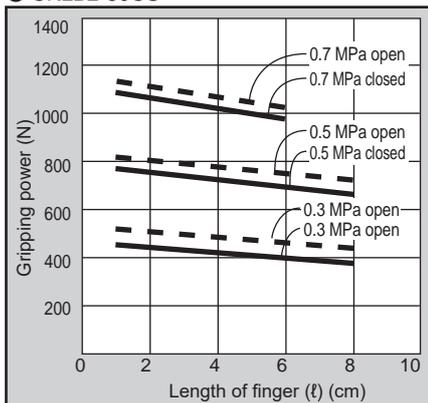
● CKLB2-50CS



● CKLB2-63CS



● CKLB2-80CS



● CKLB2-100CS

