

Pneumatic Cylinders II
Catalog No. CB-030SA

Ultra thin parallel hand

HLD Series

● Operating Stroke: ø12, 16, 20, 30 mm



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

Specifications

Descriptions	HLD			
	08CS	12CS	16CS	20CS
Size	08CS	12CS	16CS	20CS
Bore size mm	ø8x4	ø12x4	ø16x4	ø20x4
Working fluid	Compressed air			
Max. working pressure MPa	0.7			
Min. working pressure MPa	0.2			
Ambient temperature °C	5 to 60			
Port size	M3		M5	
Operating Stroke mm	12	16	20	30
Capacity of reciprocation cm ³	3.2	7.8	19.8	43.3
Repeatability mm	±0.01			
Product weight kg	0.23	0.29	0.62	1.05
Lubrication	Not available			

Compatibility table by variation

Applicable bore size		Double acting
ø8x4	P4	●
ø20x4	P40	●

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

How to order



A Size

B Switch model No.

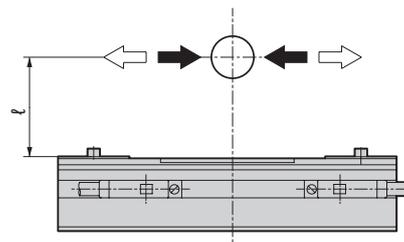
C Switch quantity

Code	Item
A	Size
08CS	
12CS	
16CS	
20CS	
B	Switch model No.
Refer to the compatibility table on Intro Pages 23 to 26 for switch model No.	
C	Switch quantity
R	1 on open side
H	1 on closed side
D	2

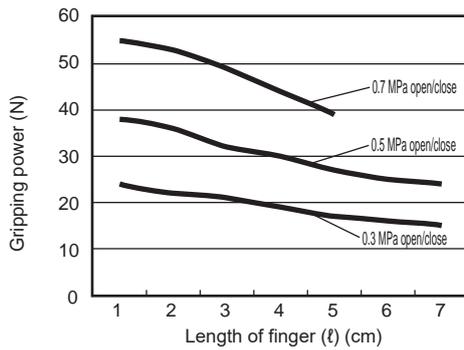
Gripping power performance data

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

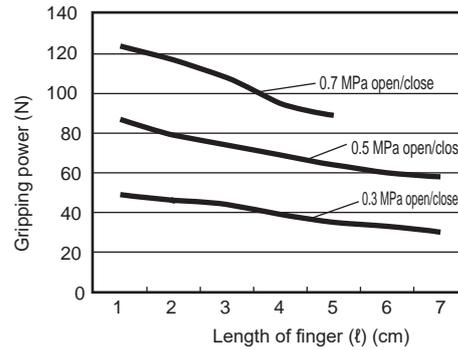
- Both open direction (◁) and closed direction (▷) (shown with continuous line)



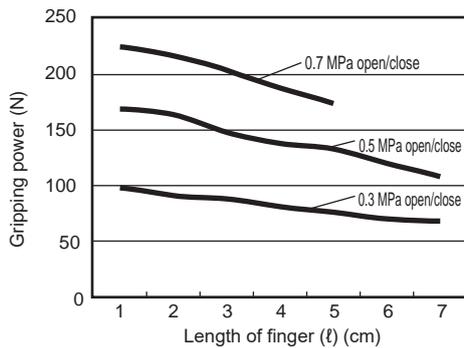
● HLD-08CS



● HLD-12CS



● HLD-16CS



● HLD-20CS

