

New Low-Profile Long Stroke Type Hand with Tandem Linear Guide!!

Thin and light

Height
-25%
Weight
-30%

HLC Series

HLF Series

Fixing screw holes
for the jaw

Positioning hole

High gripping
force

High gripping force
via **W-piston** system

Long stroke

Approximately double the long stroke
of the LHA Series

LHA Series	9	11	15	20
HLF Series	16	24	32	40

*Comparison among the gripping forces of
similar products. [mm]

Stainless steel
linear guide

Tubing ports

4-way mounting

Through hole

Body installation
holes

- 4-way
**body
installation
holes**
- 1-way
through hole

Supports T-type switch

Various sensors can be installed
in the fixing groove for the switch
on the side of the body.

- **Contactless
2- or 3- wire
switch**

Example of application

Clamping of stepped workpiece

Thin Type Long Stroke Hand HLF Series

How to order

HLF - 08CS - T2H - R

A B C

A Size	B Switch model no.						C Switch quantity	
08CS	Axial lead wire	Radial lead wire	Reed	Lead wire	*Lead wire length		R	1 on the open side
12CS							H	1 on the closed side
16CS	T2H*	T2V*	Proximity	2-wire	Blank	1 m	D	2
20CS	T3H*	T3V*		3-wire	3	3 m		
					5	5 m		

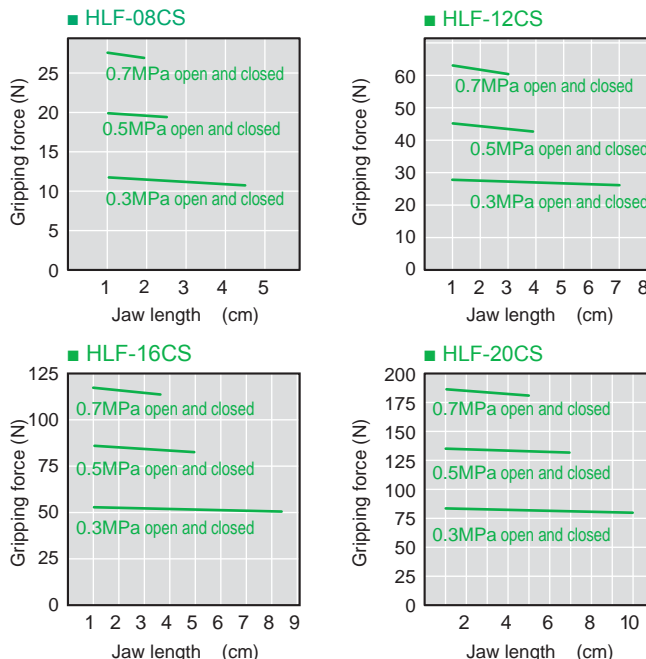
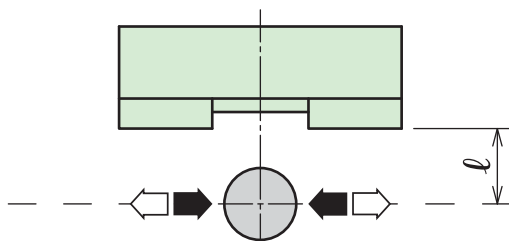
Specifications

Descriptions	HLF			
Size	08CS	12CS	16CS	20CS
Bore size mm	φ8×2	φ12×2	φ16×2	φ20×2
Actuation	Double acting			
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	
Operational stroke length mm	16	24	32	40
Rod diameter mm	φ6	φ8	φ10	φ12
Repeat accuracy mm	±0.03			
Weight g	98	206	428	812
Lubrication	Not required (When lubricating, use turbine oil ISO VG32)			

Gripping Force Performance Data

When the supply pressure is 0.3, 0.5 or 0.7 MPa, it describes the gripping force acting in the open and closed direction for the jaw length l of the hand.

- Open direction (⇐⇒)
- Closed direction (⇒⇐)



If the goods and their replicas, or the technology and software in this catalog are to be exported, laws require the exporter to make sure they will never be used for the development or the manufacture of weapons for mass destruction.

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●Specifications are subject to change without notice.

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2013.12