



Low-profile long stroke hand

HLF Series

● Operating stroke length: 16, 24, 32, 40 mm

Specifications

Descriptions	HLF			
	08CS	12CS	16CS	20CS
Size	08CS	12CS	16CS	20CS
Cylinder bore size mm	ø8×2	ø12×2	ø16×2	ø20×2
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	
Operating stroke length mm	16	24	32	40
Rod diameter mm	ø6	ø8	ø10	ø12
Repeatability mm	±0.03			
Product weight g	98	206	428	812
Lubrication	Not available			

Compatibility table by variation

Applicable bore size		Double acting
ø8×2	P4	●
to 20×2	P40	●

How to order

HLF - 08CS - SW11 - R - P4
P40

A B C

A Size	B Switch model No.	C Switch quantity
08CS	Refer to the compatibility table on Intro Pages 21 to 24 for switch model No.	R 1 on open side
12CS		H 1 on closed side
16CS		D 2
20CS		

Gripping power performance data

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

- Open direction (←⇒)
- Closed direction (⇒)

