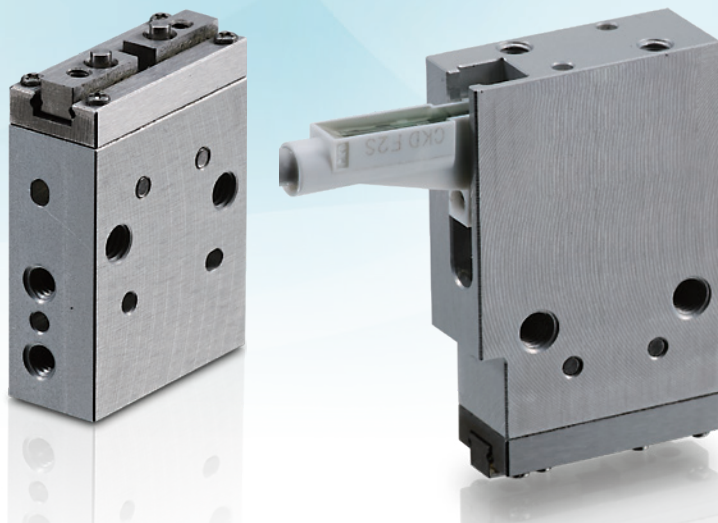
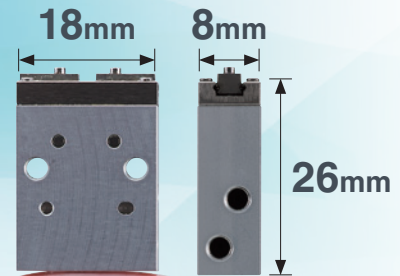


Ideal size for works only a few grams

Weight **11g** Thickness **8mm**
The smallest air hand possible

High accuracy with Linear guide

● Repeat Accuracy ± 0.01 mm



Switch mounting possible

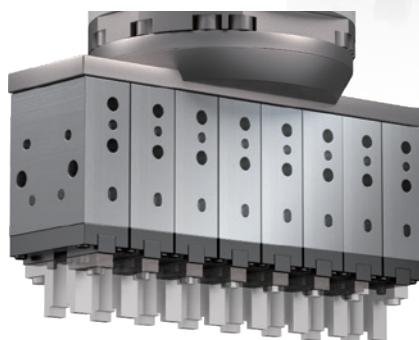
● Even with switch, this size

Weight **14g** Thickness **8mm**

Body dimensions : 20 mm × 8 mm × 32.5 mm

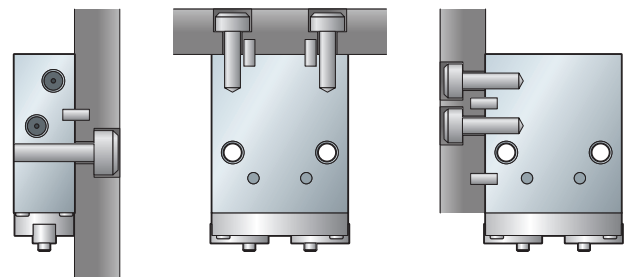
Space saving

Lightweight and low-profile design enable multi-array and high-speed applications.



Switch mounting possible

Mountable from 3 directions, significantly improved design flexibility.



Miniature Linear Guide Parallel Gripper LHB Series

CKD Corporation

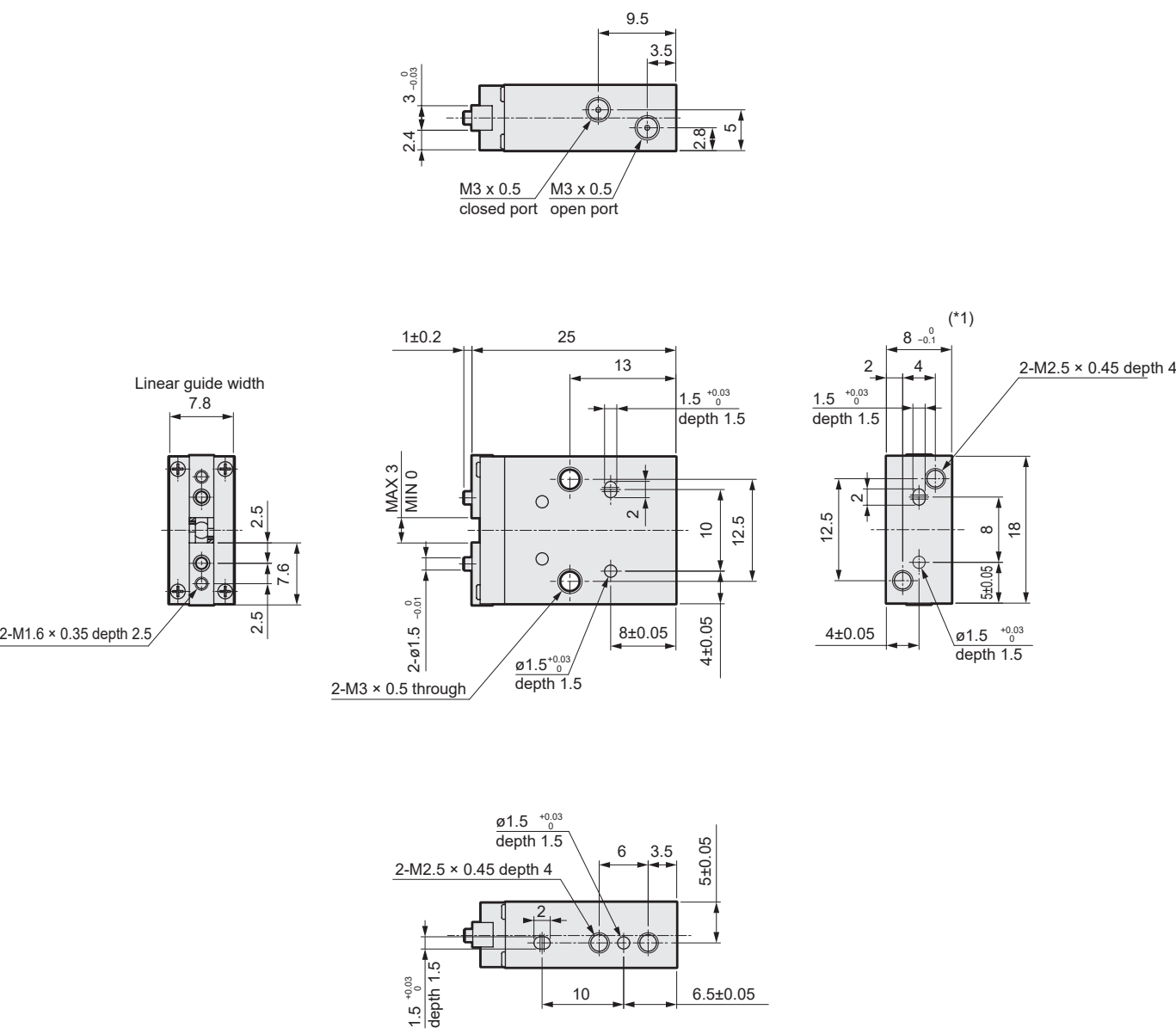
<https://www.ckd.co.jp/en/>

LN-028AA

● Contact a CKD Sales representative for special specifications of this product.

Dimensions

- LHB-006C Without switch

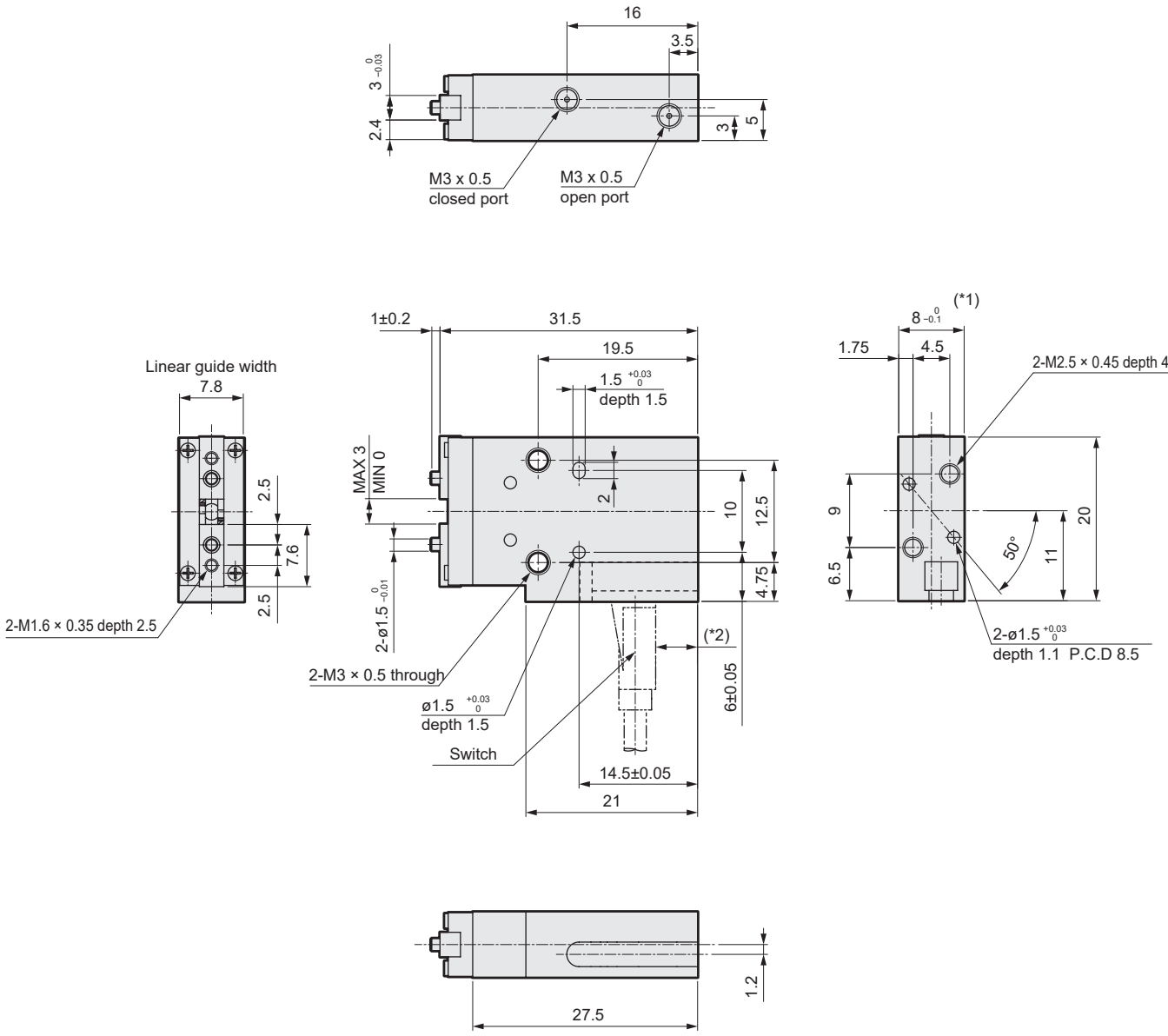


*1 : The hand body has a minus tolerance,
but the nameplate attachment area may exceed 8 mm.

Dimensions

Dimensions

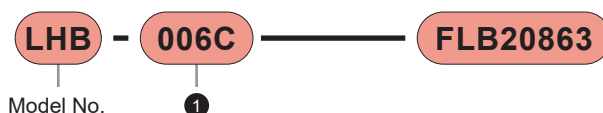
- LHB-006CS With switch



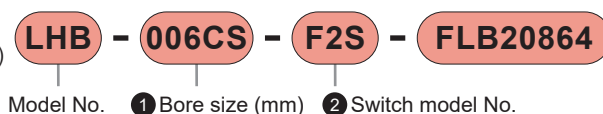
*1 : The hand body has a minus tolerance,
but the nameplate attachment area may exceed 8 mm.
*2 : Includes one switch, position detection is only on one side.

Model No. Notation

- W/O Switch



- With switch
(includes magnet for switch)



1 Bore size (mm)

Code	Description
006C	ø6 w/o switch
006CS	ø6 with switch

2 Switch model No.

L-shaped lead wire	Contact	Voltage		Indicator	Lead wire
		AC	DC		
F2S□	Proximity		●	1-color LED	2-wire
F3S□			●		3-wire

*1 : Includes one switch, position detection is only on one side.

*2 : The switch is shipped as an accessory.

* Lead wire length

Code	Description
Blank	1 m (standard)
3	3 m (option)

Specifications

Item	LHB	
Size	006C	006CS
Bore size	mm	ø6
Actuation	Double acting	
Working fluid	Compressed air	
Max. working pressure	MPa	0.7
Min. working pressure	MPa	0.25
Ambient temperature	°C	5 to 60
Connection port size	M3	
Operating stroke	mm	3
Rod diameter	mm	ø3
Volumetric capacity (reciprocating)	cm ³	0.076
Repeat Accuracy	mm	±0.01 (initial value)
Weight	kg	0.011 0.014
Lubrication	Not required (use turbine oil ISOVG32 during Lubrication)	

Safety precautions

Please also read the precautions in "Air Pressure Cylinder ⑤" (Catalog No. RJ-006AA).

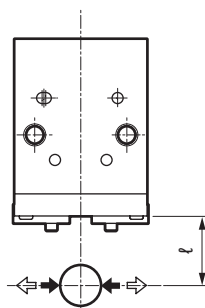
CAUTION

- Cylinder switch equipped cylinders cannot be used adjacent to each other. To prevent Cylinder switch malfunction, maintain a distance of 10 mm or more between cylinders.
- If magnetic materials such as iron plates are near the Cylinder switch, they may cause malfunction. Keep a distance of 10 mm or more from the cylinder surface.

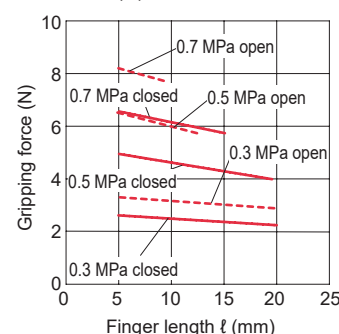
Gripping force performance data

- Gripping force represents the thrust (per finger) in the direction of the arrow shown in the figure.
- At supply pressures of 0.3, 0.5, and 0.7 MPa, represents the gripping force acting in the open and close directions at the finger length l .

- Open direction (⇐) (dashed line)
- Close direction (⇒) (continuous line)



■ LHB-006C(S)



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