



Pneumatic components

# Safety Precautions

Be sure to read this section before use.

Refer to Intro Page 73 for general information of the cylinder, and to Intro Page 80 for general information of the cylinder switch.

Product-specific cautions: Linear guide lock LMB Series

## Design/selection

### CAUTION

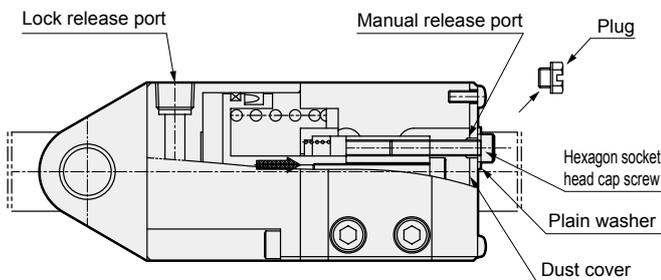
- Consult with CKD if impact load is applied. (It may slip due to the impact force.)
- Do not apply lateral load moment to the lock unit.

- Avoid use in very dusty areas, or where water or oil could come in contact. (It may cause the holding force to decrease.)
- Do not place a workpiece directly onto the lock unit.

## Mounting, installation and adjustment

### CAUTION

#### How to unlock manually

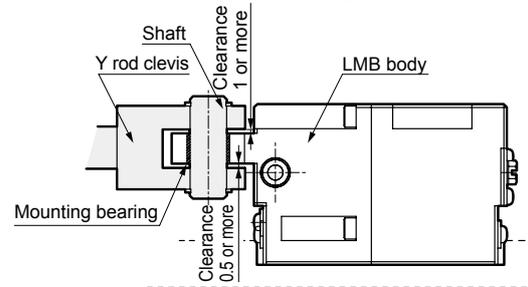


- Confirm that external force is not applied when there is no air at the lock release port, and then disconnect the plug.
- Insert the M3 x 18 (LMB-SR-15) and M4 x 22 (LMB-SR-20, 25) hexagon socket head cap screw into the hole from which the plug was removed until the threads are caught. When inserting the hexagon socket head cap screw, insert a plain washer, and make sure that the bolt seat does not contact the dust cover.
- Once the threads are caught, screw in the screw until it stops in order to release the lock into the free state.

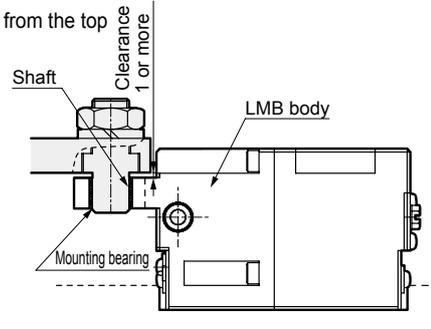
- \*1: At shipment, the product is in the manual unlocking state. Store the hexagon socket head cap screws and flat washers so as not to lose them.
- \*2: Do not use hexagon socket head cap screws other than the sizes above. (It may damage the screws or disable unlocking.)
- \*3: If released manually while the seat of the hexagon socket head cap screw and dust cover are in contact, the dust cover may be scraped and dust generated. Also, insert a flat washer and manually unlock without contact so as not to render plug screw-in impossible.

#### Mounting method

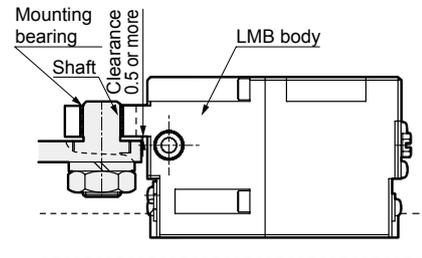
- Example of Y rod clevis mounting



- Fixing from the top



- Fixing from the bottom



Insert a shaft (pin) into the bearing for installation and connect with the slide table. At this time, provide clearance as shown in the figure above. (Due to the structure, the LMB body lowers during locking, so if the bearings are fixed without a clearance, the lock will not be applied.)

## Use/maintenance

### WARNING

- Never disassemble the lock unit, as this is dangerous.

LCM  
LCR  
LCC  
LCW  
LCX  
STM  
STG  
STS/STL  
STR2  
UCA2  
ULK\*  
JSK/M2  
JSG  
JSC3/JSC4  
USSD  
UFCD  
UFCD  
UB  
JSB3  
LMB  
LML  
HCM  
HCA  
LBC  
CAC4  
UCAC2  
CAC-N  
UCAC-N  
RCS2  
RCC2  
PCC  
SHC  
MCP  
GLC  
MFC  
BBS  
RRC  
GRC  
RV3\*  
NHS  
HRL  
LN  
Hand  
Chuk  
MechHnd/Chuk  
ShkAbs  
FJ  
FK  
SpdContr  
Ending