

Mechanical Joint Rodless Cylinder (With spring lock) MY1B63G-R****-*

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Application: Use for lines requiring intermediate stops,
emergency stops and drop prevention

Feature 1: Spring lock mechanism added to mechanical joint
rodless cylinder

- The cleat or wedge effect from the taper ring and steel balls makes for increased power.
- Same holding force in extending and retracting directions.
(Possible to lock at both ends)

Feature 2: Standard manual override lock release

- Even in the instance of an air supply cut or discharge, the lock can be easily released with the simple use of a wrench.
- When manual control is released, the lock is engaged again thanks to its fail-safe construction.

Specifications

Cylinder specifications

Bore size	Ø63
Stroke	(See How to Order)
Stroke length tolerance	$^{+1.8}_0$ mm
Rod end thread tolerance	JIS class 2
Maximum operating pressure	0.8MPa
Proof pressure	1.2MPa
Piston speed	100 to 1000mm/s
Ambient and fluid temperature	5 to 60°C
Cushion	Air cushion
Lubrication	Not required (Non-lub)

Lock specifications

Lock type	Spring lock (Exhaust lock)
Holding force (Maximum static load)	2100N
Lock released pressure	0.25MPa or more
Lock starting pressure	0.20MPa or less
Operating pressure range	0.25 to 1.0MPa
Locking direction	Both sides

How to Order

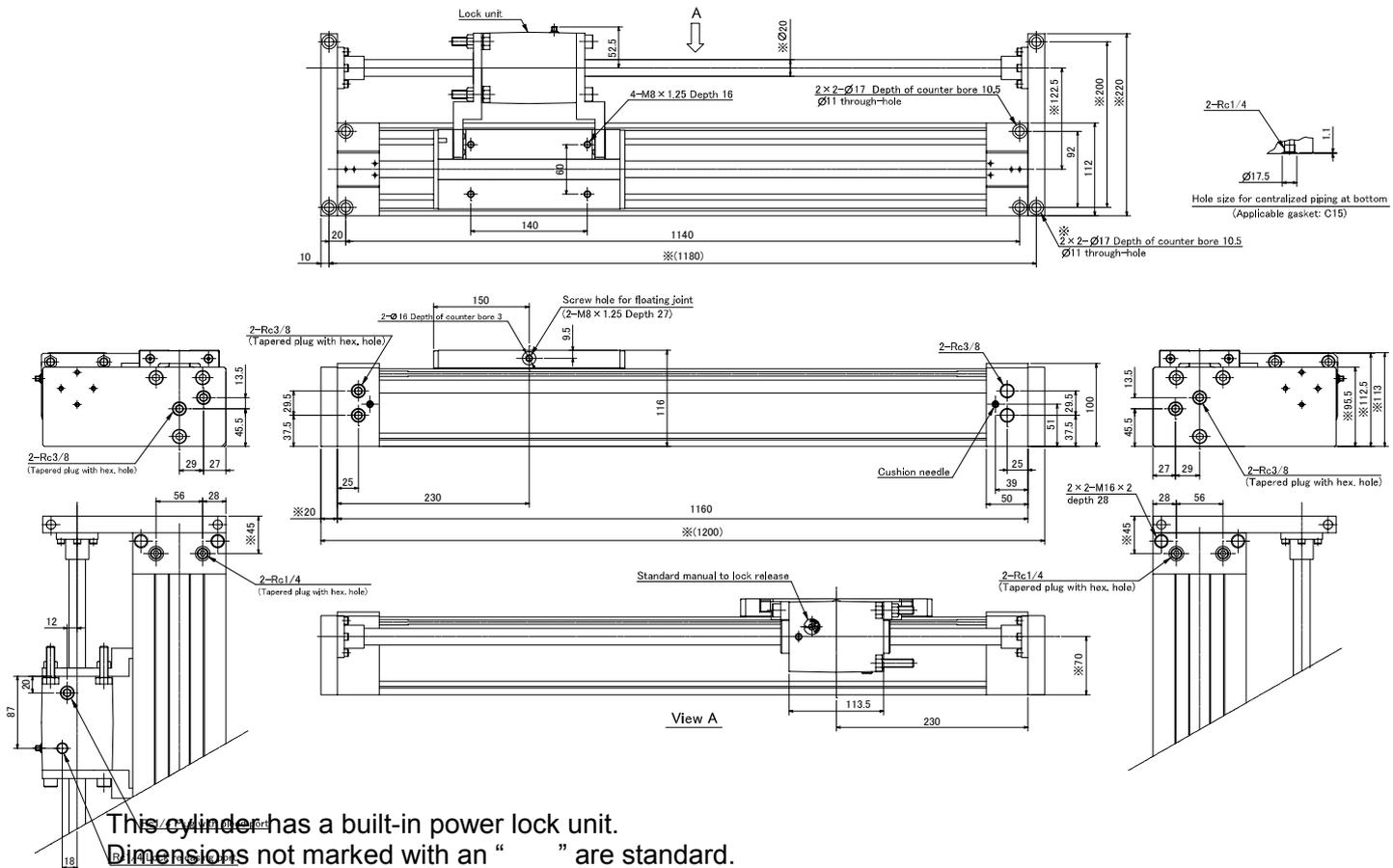
MY1B63G-R 2118 - 500

— Cylinder stroke

Stroke Length	Model No.
500mm	2118-500
700mm	2120-700
1050mm	4400-1050

Dimensions (MY1B63G-R2120-700)

- For information on detailed dimensions and other models, please contact our sales representative.



Manual Lock Release Method

- Using a wrench, turn the lock release cam counter-clockwise, then push back the release piston to release the lock.

When manual control is released from the cam, the lever returns to its original position and the lock is once again engaged. If lock release must be maintained, be sure to hold the cam in this position.

Precautions for Lock Unit

1. Do not rotate the lock release cam (look for the arrow “ ” on top of the release cam) past the “FREE” position. The lock release cam may be damaged if it is turned too much, i.e. beyond this point.
2. When a lock release condition is required for a long period during equipment mounting, supply air pressure of 0.25 MPa or more to the lock release port.

Caution

To ensure the safest possible operation of this product, please be sure to read thoroughly the “Safety Instructions” in our “Best Pneumatics” general catalog before use. Please keep in mind that the wrong handling or operation of the lock can result in damage to equipment and other possible problems. Therefore, be sure to read the Warnings and Caution statements regarding locks in the Series CNA section of our Best Pneumatics catalogue, and to operate the lock accordingly.