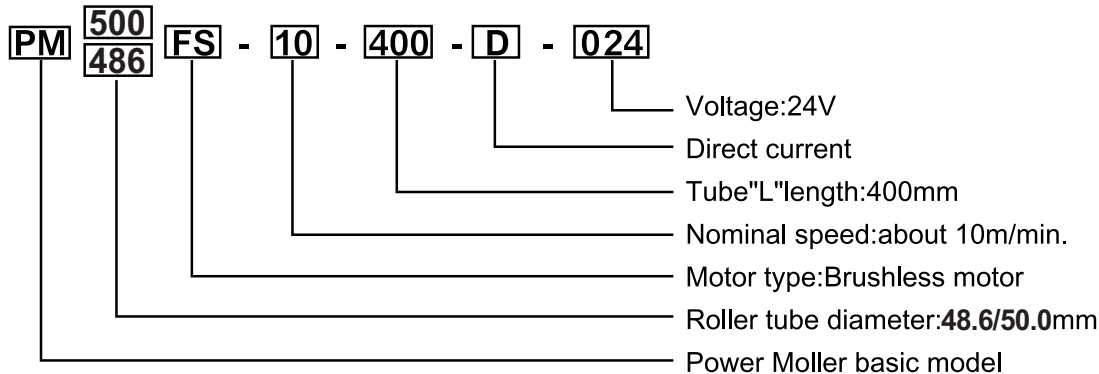


# POWER MOLLER®

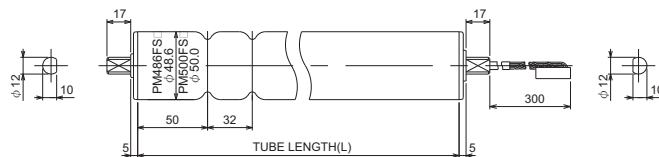
## SERIES PM486/500FS HANDLING INSTRUCTIONS

### DESIGNATION

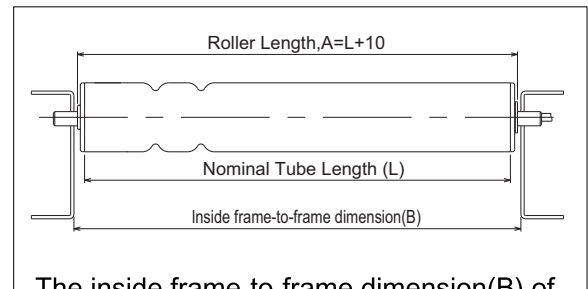
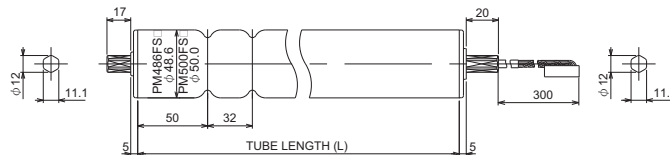


### DIMENSIONS

#### D shaped shaft

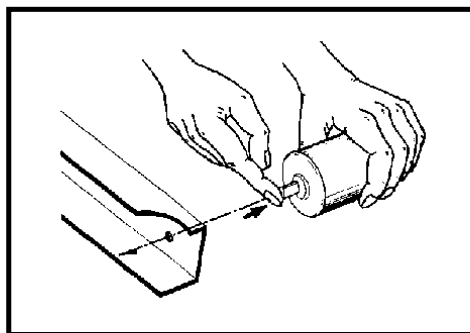


#### Hex. shaft



The inside frame-to-frame dimension(B) of the conveyor differs by manufacturer. Depending on the tolerance of dimension B, the total clearance between dimension B and the total roller length (A) should range from 2mm to 5mm.

### INSTALLATION



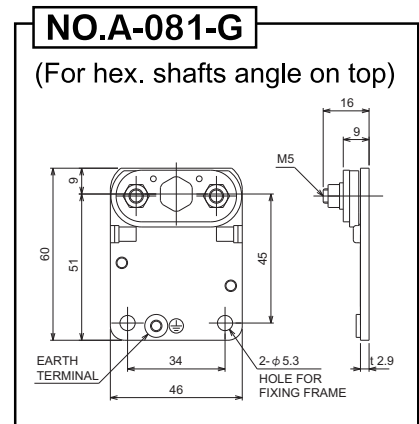
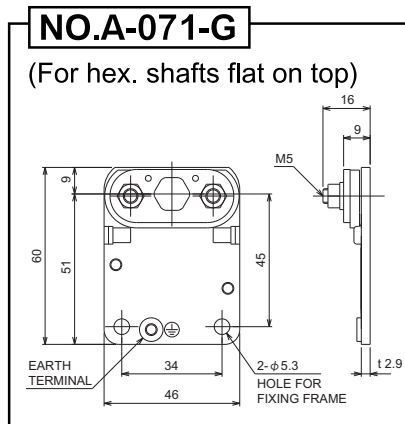
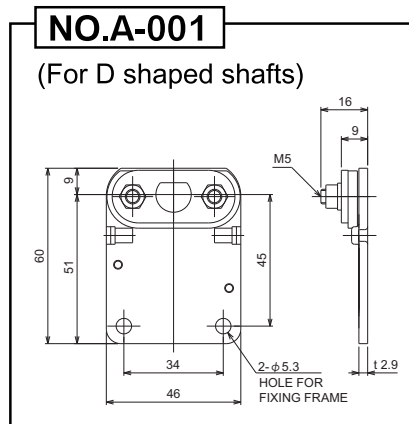
**To install:** First insert the shaft with power cable into conveyor frame. Then, insert another shaft into the other side of the conveyor frame, by pressing its spring-loaded shaft.

Fix both shafts must be fixed by mounting brackets supplied with the unit.

Mount the circuit board supplied with the unit, affixing its radiation plate to the conveyor frame. Couple the female connector of the motor cable with the male connector on the circuit board.

**To remove:** First turn off the power, and remove the female connector of the motor cable from the male connector on the circuit board. Then loosen both nuts on the bracket to unclamp the shaft. Press the spring-loaded shaft with a screw driver to remove the unit from the conveyor frame.

## MOUNTING BRACKET



Every PM486/500FS unit is supplied with two mounting brackets (either No.A-001, A-071-G or A-081-G in accordance with the unit's shaft shape ) and circuit board. Both side shafts must be fixed by these mounting brackets by tightening the bolts, to prevent shaft rattling or idle rotation in the conveyor frame.

### ⚠ IMPORTANT!

Rattling or idle rotation of the shaft will break the power cable, causing disconnection, by which the Power Moller will cease functioning.

## WIRING

Female connector of the motor cable is to be coupled with the male connector in the circuit board supplied with the unit.

Supply voltage: 24VDC battery or fullwave rectified and smooth current (<10% ripple)

Wrong wiring or supply of voltage higher than specified may seriously harm the circuit board.

See separate specifications of the circuit board for more details.

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※ Specifications are subject to change without prior notice.

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