



Pneumatic Component

To Use This Product Safely

Be sure to read this before use.

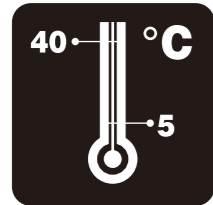
For general cylinder information, see Intro 41, and for cylinder switches, see P. 1512.

Specific Precautions: Shuttle Mover SM Series

Design / Selection

Warning

- These products cannot be used in water, oil, or powder, or in places where the unit will be exposed to cutting fluid, coolant, etc., or cutting chips.
- Consider safety by always placing an interlock in the control circuit for moving the carrier.
- It is not possible to fix the carrier and use the rail portion as a mobile unit.
- Avoid scratching the cylinder tube or rail with a workpiece, etc., that has been dropped by mistake during mounting or removal of a workpiece. It causes malfunction.
- The most desirable range of the Ambient Temperature for use of the cylinders is 5 to 40°C. If this temperature exceeds 40°C, it may cause damage or malfunction, so do not use it. Also, if it is 5°C or less, moisture in the circuit may freeze and cause damage or malfunction, so please take measures to prevent freezing.



- Be sure to install a safety cover in cases when this unit will be crossing pathways or working areas of people, or as a measure to prevent collapse and protect the operating region in areas where a human hand can reach inside.

CAUTION

- Check that the cross-section of the pipe connecting the cylinder and directional control valve has sufficient effective cross-sectional area for attaining specified piston speed.
- Use an interval of 2 m as a guide for the mounting pitch for the legs.
- Consider the space described below near the end unit.
 - Securing of space necessary for mounting and removing workpieces
 - Securing of space for an adjustment of ±10 mm from the stroke end of the carrier
 - Securing of space to enable movement when the tube piping to the piping port of the end is adjusted by ±10mm, and space for adjustment of the speed controller
 - Securing of space for removal of end rail related components during piston maintenance

Rodless Type

SRL3

SRG3

SRM3

SRT3

MRL2

MRG2

SM-25

Cylinder Switch

Ending

Rodless Type

SRL3

SRG3

SRM3

SRT3

MRL2

MRG2

SM-25

Cylinder Switch

Ending

For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Equipment Product Site(<https://www.ckd.co.jp/kiki/en/>) → 'model No.' → [Instruction Manual](#).