

Series MXP

Specific Product Precautions 3

Be sure to read before handling.

Refer to front matters 42 and 43 for Safety Instructions and pages 3 to 11 for Actuator and Auto Switch Precautions.

Adjuster Option Handling Precautions

⚠ Caution

- Use the tightening torque in the table below for the shock absorber's lock nut.

Bolt	Tightening torque N·m
MXP10 MXP12 MXP16	1.67

Rust may occur specifically in an environment where water drops from condensation adhere to a surface.

- Provide shade in locations exposed to direct sunlight.

- Block off sources of heat located near by.

When there are heat sources in the surrounding area, radiated heat may cause the product's temperature to rise and exceed the operating temperature range. Block off the heat with a cover, etc.

- Do not use in locations where vibration or impact occur.

Consult with SMC regarding use in this kind of environment, as damage and malfunction can result.

Service Life and Replacement Period of Shock Absorber

⚠ Caution

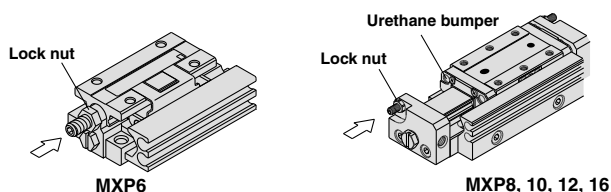
- Allowable operating cycle under the specifications set in this catalog is shown below.

1.2 million cycles RB08□□

Note) Specified service life (suitable replacement period) is the value at room temperature (20 to 25°C). The period may vary depending on the temperature and other conditions. In some cases the absorber may need to be replaced before the allowable operating cycle above.

Applicable size	Shock absorber model
MXP10	RB0805
MXP12	RB0805
MXP16	RB0806

Stroke Adjustment



Loosen the lock nut, adjust the stroke with a hexagon wrench from the side marked with an arrow and secure with the lock nut.

Stroke Adjustment

⚠ Caution

Urethane Bumper

If not adjusted for effective operation of the urethane bumper, impact will increase and have an adverse effect on service life. As a guide, adjust so that dimension L_1 is less than the value shown in "Table 1".

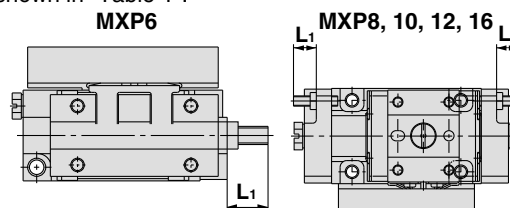


Table 1

Model	L_1 (mm)
MXP6-5	9 (one side only)
MXP6-10	9 (one side only)
MXP8-10	7
MXP8-20	6
MXP10-10	7
MXP10-20	6
MXP12-15	7
MXP12-25	7
MXP16-20	8
MXP16-30	8

Metal Stopper

In the case of a metal stopper, adjust so that the stroke adjuster hits the end face of the guide block.

As a guide, adjust so that dimension L_2 is less than the value shown in "Table 2".

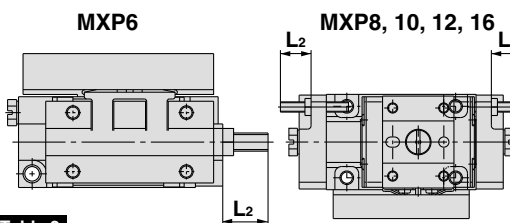


Table 2

Model	L_2 (mm)
MXP6-5C	10 (one side only)
MXP6-10C	10 (one side only)
MXP8-10C	9
MXP8-20C	8
MXP10-10C	9
MXP10-20C	8
MXP12-15C	8
MXP12-25C	8
MXP16-20C	8
MXP16-30C	8

Shock Absorber

When equipped with shock absorber, adjust so that the end face of the shock absorber hits the guide block. If the shock absorber does not operate effectively, impact will increase and have an adverse effect on service life. As a guide, adjust so that dimension L_3 is less than the value shown in "Table 3".

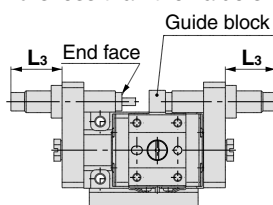


Table 3

Model	L_3 (mm)
MXP10-10B	19
MXP10-20B	15
MXP12-15B	15
MXP12-25B	15
MXP16-20B	15
MXP16-30B	15