

1.2. Types and Features of the LM Roller

●Model LR

This model is designed to be fit into a groove machined on the mounting surface. By screwing bolts into four holes on the raceway base, it is secured on the mounting surface (fixtures SM and SE are also available).



Model LR

●Model LR-Z

A lighter type that uses a resin-made retainer and is designed to be mounted in the same manner as model LR. Since it has a groove for installing a seal, a special rubber seal with a high dust prevention effect can easily be attached. In addition, this model is capable of high-speed traveling at 1 m/s.



Model LR-Z

●Model LRA

Just like model LR, this model is also designed to be fit into a groove. It is a compact type that can be mounted using fixture SM or SE and bolts.



Model LRA

●Model LRA-Z

A lighter type that uses a resin-made retainer and is designed to be mounted in the same manner as model LRA. Since it has a groove for installing a seal, a special rubber seal with a high dust prevention effect can easily be attached. In addition, this model is capable of high-speed traveling at 1 m/s.



Model LRA-Z

●Model LRB

Since this model does not require a groove on the mounting surface, man-hours for machining can be reduced. It can be mounted using fixture SMB or SE and bolts.



Model LRB

●Model LRB-Z

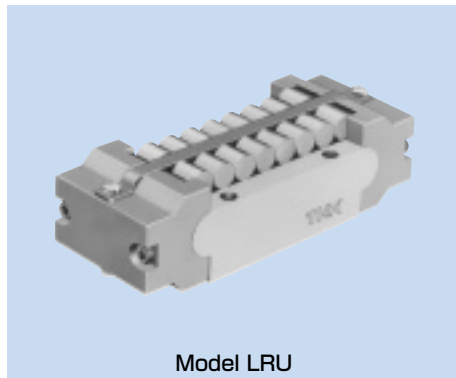
A lighter type that uses a resin-made retainer and is designed to be mounted in the same manner as model LRB. Since it has a groove for installing a seal, a special rubber seal with a high dust prevention effect can easily be attached. In addition, this model is capable of high-speed traveling at 1 m/s.



Model LRB-Z

●Model LRU

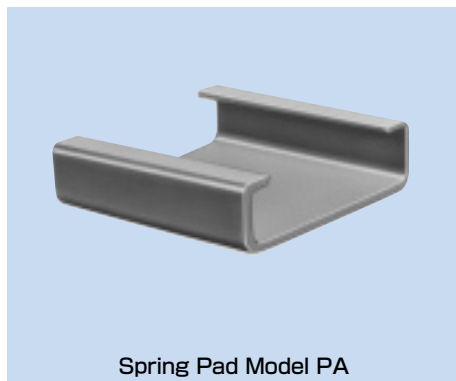
Since this model does not require a groove on the mounting surface, man-hours for machining can be reduced. By screwing bolts into four holes on the raceway base, it is secured on the mounting surface.



Model LRU

●Spring Pad Model PA

By attaching this spring pad to the back of the LM Roller as shown in Fig. 5-④ on page i-10 in the "THK General Catalog - Product Specifications," provided separately, and turning the adjustment bolt, adjustment of a clearance and a preload can easily be done.

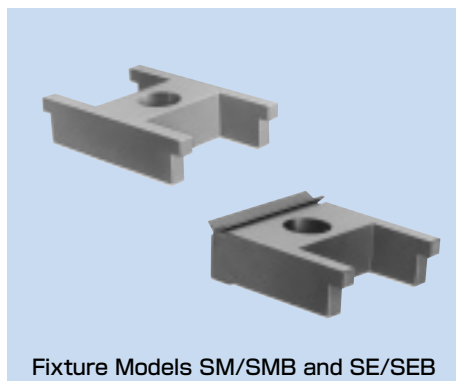


Spring Pad Model PA

●Fixture Models SM/SMB and SE/SEB

Use of fixture model SM or SE eliminates the need to machine thin tapped holes for mounting the LM Roller, and allows the roller to firmly be secured.

Models SE and SEB each have a special rubber wiper with double lips to achieve a high dust prevention effect.



Fixture Models SM/SMB and SE/SEB

●Hardened Raceway Base

THK manufactures a heat-treated, ground raceway base that allows the LM Roller to demonstrate maximum performance upon request.