

item

Press Release

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Linear guidance systems with recirculating linear ball bearings are compact dynamic components in the item MB Building Kit System

item offers a series of Linear Ball Bearing Systems developed in-house that complement the Dynamic Elements group of products. This idea is based on many years of experience with Roller Guides.

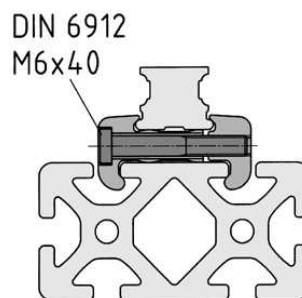
These compact, rigid Linear Guides are available in two sizes and, as a result of their design, are particularly suited to combination with Line 8 Profiles in the item MB Building Kit System. As a result, the Profiles and Guide elements do not require machining. The components are all supplied with the holes and threads they need to enable rapid connection via the Profile Groove of the item Profiles.

The beauty of it is the simplicity of assembly. Since the components are self-centring on the Profile Groove, complicated alignment of the guide rails is not necessary. The specially designed Rail Foot can either be directly positioned on the Profile Groove or clamped in place using specially manufactured Clamping Profiles. In this way, assembly is reduced to a few simple operations (see example with PS 4-25 version):

1. Place the Rail Mounting Profile on the Base Profile
2. Insert the Guide Rail
3. Fit the Rail Clamping Profile and screw tight from the side



(Figure: schiene_ps_4-25.eps)



(Figure: schienenbefestigung_ps_4-25.tif)

And the correctly aligned Linear Guide is now finished and ready to withstand high forces and torque loads. Mounting the Guide Carriage on the Rails is facilitated by the prepared rail-ends.

Of course, all the fixing elements for the Profile Rails and the Guide Carriages are designed to match the modular dimensions of the MB Building Kit System. The external dimensions of the components are also matched to the system dimensions to ensure that the simple construction logic of the Building Kit System is maintained throughout.

Guide Rails and Bearing Carriages can be used individually or in pairs, which again increases the load-bearing capacity of the guides.



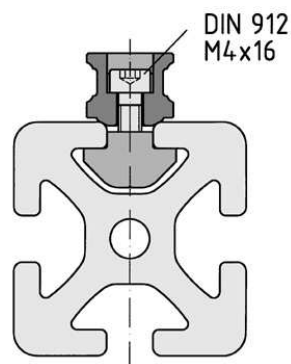
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Summary of product benefits:

- dimensions adapted to match the modular dimensions of the MB Building Kit System
- sturdy four-track ball bearing with high rigidity against forces and torques acting on it from any direction
- compact design
- Guide Elements individually or in pairs
- enclosed system with sufficient lubrication reserves to guarantee long maintenance intervals
- self-centring in the Profile Groove – complex alignment not necessary
- Bolting tight from the side provides high levels of clamping forces on the joint between the Rail and the Profile (PS 4-25)
- the fact that the unit is attached to the Profile Groove and the Guide Rail contact points are defined, compensates for the necessarily uneven Profile surface
- rapid, easy assembly saves costs



(Figure: schiene_ps_4-15.eps)



(Figure: schienenbefestigung_ps_4-15.tif)