

Technical Information

Accuracy

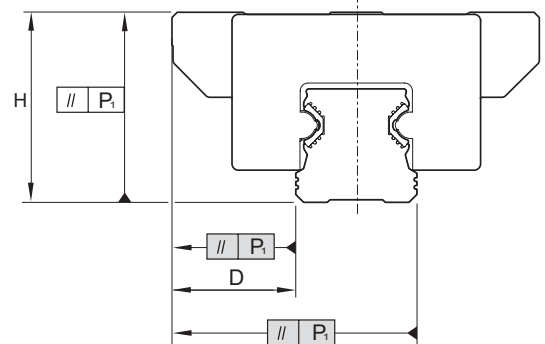
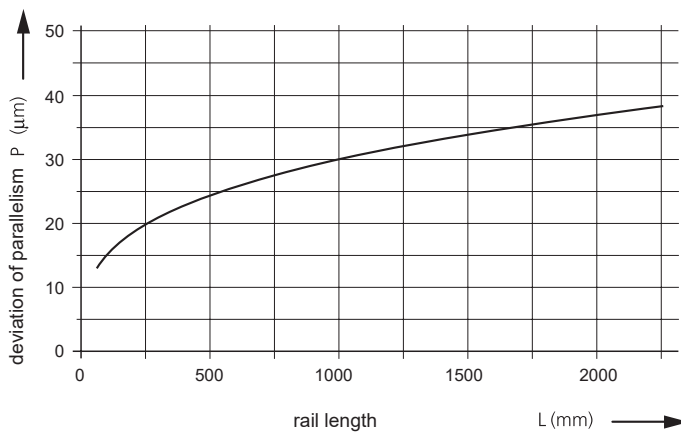
The carriage and the rails are produced with high precision, so that non preloaded carriages can be replaced by another anytime. The following values are valid for the stocked types in the dimensions tables in the product range section of this catalogue.

Height tolerance “H”

The height tolerance of several carriages on a rail is maximum +/- 30 µm.
In the case of several carriages and rails the maximum is +/-120 µm.

Side tolerance “D”

The side tolerance of several carriages on a rail is maximum +/- 30 µm.
In the case of several carriages and rails the maximum is +/-70 µm.



Deviation of Parallelism

Deviation of parallelism can be found in the diagram above on the left.

Carriages in Standard Precision (stocked products)

For normal applications we recommend a combination of carriage and rail without preload. With the standard precision it will have a tolerance in the micro range between the rail and carriage. It is possible to order just the rail or carriage separately (interchangeable and in stock).