

General Notes

The following notes relating to mounting apply to all Ball Rail Systems. However, different specifications exist with regard to the parallelism of the guide rails and to mounting the runner blocks with screws and locating pins. This information is provided separately alongside the descriptions of the individual types of Ball Rail Systems.

⚠ During overhead (top down) or vertical assembly, damage to the runner block resulting in loss or breakage of balls may cause the runner block to come away from the rail. Secure the runner block to prevent it from falling!
Danger to life and limb!
The use of fall arresting devices is recommended!

Rexroth Ball Rail Systems are high-grade quality products. Particular care must be taken during transportation and subsequent mounting. The same care must be taken with cover strips. All steel parts are protected with anti-corrosion oil. It is not necessary to remove this oil provided the recommended lubricants are used.

Mounting examples

Ball guide rails

Each guide rail has ground reference surfaces on both sides.

Possibilities for side fixing:

- 1 Reference edges
- 2 Retaining strips
- 3 Wedge profile retaining strips

Note

- Guide rails without side fixing have to be aligned straight and parallel when mounting, preferably using a straight-edge.
- Recommended limits for side load if no additional lateral retention is provided, see the individual ball runner blocks.

Ball runner blocks

Each runner block has a ground reference edge on one side (see dimension V_1 in the dimension drawings).

Possibilities for additional fixing:

- 1 Reference edges
- 2 Retaining strips
- 4 Locating pins

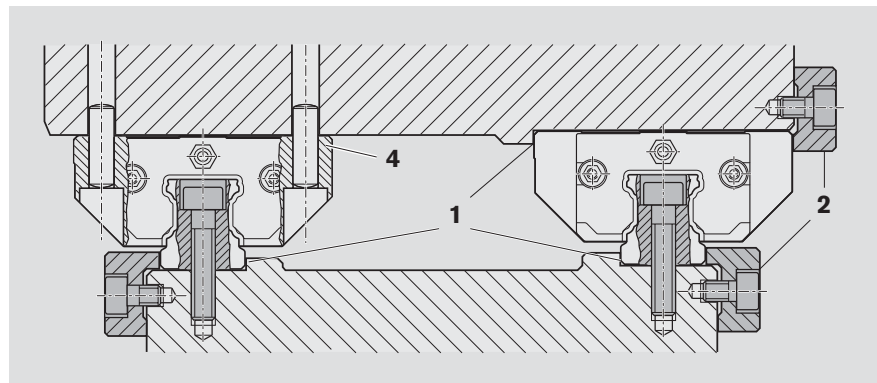
Note

- After mounting, it should be possible to move the runner block easily.

Notes for mounting

- Before installing the components, clean and degrease all mounting surfaces.
- Follow the mounting instructions! Send for the "Mounting Instructions for Ball Rail Systems."

Mounting with fixing of both guide rails and runner blocks



Mounting with fixing of one guide rail and runner block

