

General notes

- ▶ Combining different accuracy classes When you combine ball guide rails and ball runner blocks of different accuracy classes, the tolerances change for dimensions H and A3. See “Accuracy classes and their tolerances”

Intended use

- ▶ The ball rail systems are linear guides capable of absorbing forces from all transverse directions and moments about all axes. The ball rail system is intended exclusively for guiding and positioning tasks when installed in a machine.
- ▶ The product is intended exclusively for professional use and not for private use.
- ▶ Use for the intended purpose also includes the requirement that users must have read and understood the related documentation completely, in particular the “Safety Instructions”.

Misuse

Use of the product in any other way than as described under “Intended use” is considered to be misuse and is therefore not permitted. If unsuitable products are installed or used in safety-relevant applications, this may lead to uncontrolled operating statuses in the application which can cause personal injury and/or damage to property.

The product may only be used in safety-relevant applications if this use has been expressly specified and permitted in the product documentation.

Bosch Rexroth AG will not accept any liability for injury or damage caused by misuse of the product. The risks associated with any misuse of the product shall be borne by the user alone.

Misuse of the product includes:

- ▶ the transport of persons

General safety instructions

- ▶ The safety rules and regulations of the country in which the product is used must be complied with.
- ▶ All current and applicable accident prevention and environmental regulations must be adhered to.
- ▶ The product may only be used when it is in technically perfect condition.
- ▶ The technical data and environmental conditions stated in the product documentation must be complied with.
- ▶ The product must not be put into service until it has been verified that the final product (for example a machine or system) into which the product has been installed complies with the country-specific requirements, safety regulations and standards for the application.
- ▶ Rexroth ball rail systems may not be used in zones with potentially explosive atmospheres as defined in ATEX directive 94/9/EC.
- ▶ Rexroth ball rail systems must never be altered or modified. The user may only perform the work described in the “Quick User Guide” or the “Mounting Instructions for Ball Rail Systems”.
- ▶ The product must never be dismantled.
- ▶ At high travel speeds a certain amount of noise is caused by the product. If necessary appropriate measures are to be taken to protect the hearing.
- ▶ Special safety requirements in specific sectors (e.g. cranes, theaters, foodstuffs) in laws, directives and standards are to be observed.
- ▶ Basically, the following standard is to be observed: DIN 637, Safety regulations for dimensioning and operation of profiled rail guides with recirculating rolling elements.