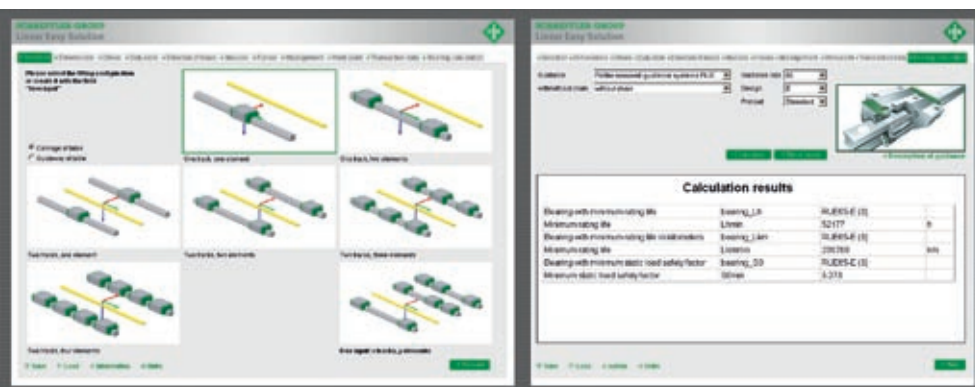


Linear · Easy Solution

New BEARINX[®]-online module for calculation of monorail guidance systems

It doesn't get any easier than this! Powerful calculation software for INA linear guidance systems



Simple selection of configuration

All calculation results at a glance

With the new BEARINX®-online module "Linear · Easy Solution", you can very easily calculate the basic rating life of a driven linear axis supported by rolling bearings. This takes account of all drive, inertia and operating forces.

You can also output the calculation result as a PDF for your documentation.

User-friendly interface

The data inputs for generating the model (geometrical data) and the boundary conditions (calculation data) are managed in a self-explanatory manner using the transparent menu-driven system. The most commonly used linear axis combinations in a drive, guideway and carriage arrangement are preconfigured. In addition, you have the option of freely selecting an axis combination with up to four guideways and 16 carriages.

Optimum bearing design

The program Linear · Easy Solution models the actual load on the guidance elements taking account of the contact angle displacement, extending to the non-linear deflection behavior of the rolling elements contacts as well as those of the elastic carriage and guideway. Calculation is based on the most up-to-date algorithms for the simulation of linear rolling bearings.

All data inputs for calculation, such as axis arrangement, forces, load cases etc., can be saved for further processing and optimization.

You can also send the saved input data to the Schaeffler engineering service for further design and calculation work. The results and requirements can then be verified using BEARINX®.

Scope

Easy Solution can be used to calculate all INA monorail guidance systems:

- linear recirculating roller bearing and guideway assemblies RUE-E
- two-row linear recirculating ball bearing and guideway assemblies KUE
- four-row linear recirculating ball bearing and guideway assemblies KUVE-B
- six-row linear recirculating ball bearing and guideway assemblies KUSE
- two-row miniature linear recirculating ball bearing and guideway assemblies KUEM
- four-row miniature linear recirculating ball bearing and guideway assemblies KUME-C

Registration

The calculation program Linear · Easy Solution is available online only and can be used free of charge without restriction.

After initial registration, which takes very little time, you can start your calculation immediately:

<http://bearinx-online-linear-easy-solution.schaeffler.com>

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