Markgröningen, 17.01.2020

**norelem presents the new generation of manual carriage guides**

A comprehensive selection of high quality products: dovetail models and roller mounted precision slides

**Modularity, high precision, longevity and an optimal service - these are the advantages of the** [**carriage guides**](https://www.norelem.de/de/en/Products/Product-overview/Systems-and-components-for-mechanical-engineering-and-plant-construction/Slides-Guide-rails-Positioning-tables-Linear-guide-systems-Position-indicators/Carriage-guides.html) **newly developed by norelem. They enable positioning and movement horizontally and vertically. These devices can be flexibly adapted to different needs and are therefore the ideal choice for a wide range of applications.**

Introducing the new carriage guides from norelem, which are characterised among other things by their integrated adjustment system - a modular hole grid with integrated mounting holes makes reworking by the customer unnecessary. The rapid coupling opens endless assembly possibilities while always ensuring optimum accuracy: this is ensured by the high-precision geometry with the scaled setscrew and custom-ground surfaces. The special longevity of the carriage guide is guaranteed, among other things, by the heavy-duty, robust construction which can also withstand harsh environmental conditions. The integrated grease nipples enable the guides to be re-lubricated at any time if needed, thus reducing maintenance to a minimum. Thanks to these characteristics, the carriage guides from norelem find use in the machine, appliance and metrology instrument construction as well as in the optics and precision engineering industries.

The Dovetail carriage guides are inexpensive and simultaneously highly resilient. These models have a very high load capacity of up to 1500 N due to the large contact surfaces. The materials used are grey cast iron or aluminium, with the aluminium versions representing an excellent compromise between weight, load capacity and precision. The dovetail carriage guides are available in widths of 20 to 150 mm and lengths of 30 to 310 mm. The individual clearance between the inner and outer part is adjusted using a tapered bar. All outer surfaces are ground and the guides are precision milled. Models equipped with a threaded spindle have a knob with 0.02 mm scale divisions for travel adjustment.

Cast iron Roller mounted precision slides convince by their smooth operation and high precision. They are available in widths of 40 to 100 mm and lengths of 50 to 360 mm. The roller mounted carriage guides have hardened and ground cross-roller slides. These guarantee smooth and backlash-free running as well as minimal initial friction, so that only low motive forces are required.

Dovetail slides and roller mounted precision slides can be assembled to form cross tables. This is a further advantage of the new generation of carriage guides: There is an additional centring hole on all tapped holes. In conjunction with the appropriate centring rings, several carriage guides and other connecting elements can be precisely mounted on the slide.

Characters including spaces: 2,870

Brief profile of norelem Normelemente KG

Every success story begins with an idea. This is why norelem supports engineers, designers and technicians in achieving their targets in machine and plant construction. The correct choice from our full range of more than 45,000 standard and operating parts can be found quickly and easily in THE BIG GREEN BOOK, norelem's unique and user-friendly product catalogue.

You win time, work more efficiently and optimise your process costs. Because norelem components are available immediately, including free CAD data for quicker designing without drawing or configuration. Perfect results with less time and cost. Advantage: Standard parts.

As an established industry insider, we are committed to promoting young talent with the norelem ACADEMY. So that tomorrow's designers can get off to a good start.

Characters including spaces: 799