Markgröningen, 19.10.17

More than just a hinge: New functional hinges from norelem

Versatile spring hinges plus aluminium models with adjustable friction and detent

**Simple hinges that connect two fixed components in a way that allows them to move. And the new functional hinges from norelem can do even more besides: the spring varieties open and close automatically thanks to an in-built tension spring, while the hinges featuring adjustable friction and detent also enable positioning within the opening angle.**

Spring hinges can be found in all kinds of situations in which doors or hatches need to open or close automatically. With these products, the customer has a choice between simple sheet metal hinges made from steel or stainless steel and featuring a visible spring, or spring hinges made from aluminium with an in-built tensioning spring. The steel or stainless steel spring hinges are available in sizes between 50 mm and 240 mm, and with a maximum torque of 2.55 Nm. The aluminium models, meanwhile, can be obtained in sizes from 30 mm to 100 mm and with a maximum torque of 3.8 Nm. All the spring hinges are also available with the option of a closing or opening spring. The maximum opening angle is between 180° and 270°, depending on the version.

Hinges featuring adjustable friction are also known as torque hinges. And make it possible to position a door at any angle within the opening angle. Using a setscrew, the frictional resistance of the hinge can be freely adjusted between 0 and 1 Nm in the small version and between 0 and 5 Nm in the large version. The setscrew braces two narrow friction cones inside the torque hinge against one another. The frictional resistance counteracts the movement of hatches and doors, and is able to hold them in the required position.

The hinges with detent demonstrate a similar function to the torque hinges. In these models, the hinge engages at angles between 0° and 270°, in increments of 30°, keeping doors and hatches held open or closed securely as a result. The constant hinge torque ranges from 0.3 Nm in the smallest version all the way up to 5 Nm.

The complete range of hinges is now available ex stock from norelem.

Characters including spaces: 2,161

Brief profile of norelem Normelemente KG

Every success begins with an idea. This is why norelem supports you in achieving your targets in machine and plant construction with an unrivalled selection of standard parts and components. THE BIG GREEN BOOK offers designers and technicians an extensive and clearly arranged assortment of quality components.

We support your project right from the start - with expert advice, a complete CAD database and fast delivery. norelem has been dynamically evolving for almost 60 years, consistently amending our portfolio and continuously optimising the logistics.

From our headquarters in Markgröningen, Germany and over our international locations, we are active in youth developement with schooling and workshops.

Characters including spaces: 748