

Easily configurable: igus lead screw module made of stainless steel for extreme environments

For the most adverse conditions or high level of cleanliness – new drylin SHT-ES

One of 166 new products presented by igus in 2017 is the drylin SHT lead screw module made of stainless steel. In addition to the plastics optimised for friction and wear, which can be selected from different materials, the lead screw module is made entirely of stainless steel. This makes the drylin SHT-ES interesting for use in the food industry as well as for high temperature applications. Users can also individually assemble the new lead screw module using the new drylin SHT configurator.

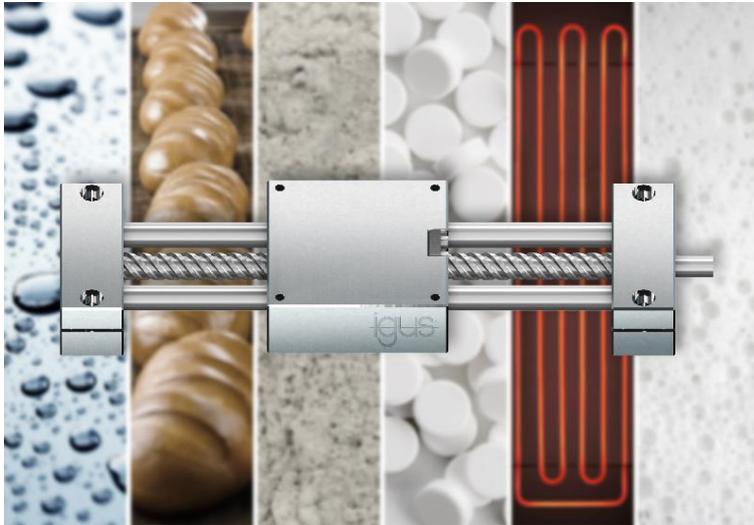
drylin SHT – under this name, motion plastics specialist igus has been offering its customers lead screw modules for more than ten years for precise and quiet adjustments while maintaining robust operation. To expand its range, igus is now also offering an option made of stainless steel. From the lead screw modules shafts and carriages up to the shaft end supports, all existing components are entirely made of 304 stainless steel. The moving parts are mounted using Tribo-optimised plastics. Users have the choice here, for example, between iglidur X, which makes the lead screw module suitable in applications up to 200°C and are resistant to chemicals, and the food-grade material iglidur A180 for use in food and packaging technology. Like all igus products, the new lead screw module manages completely without external lubrication. And as with all drylin lead screw modules, the modular structure, makes the stroke length an open choice, and the drive with optional hand-wheel or motor, ensure the right individual solution that is immediately ready for installation. Depending on the customer's requirements, the drive pin can also be provided with pins, grooves or key surfaces.

Variety made easy with the drylin SHT online configurator

The new lead screw module is available in four different installation sizes (shaft diameters of 8, 12, 20 and 30 millimetres). For the thread, users can choose

between self-locking trapezoidal and high-speed high helix thread. Available in pitches of 2 to 100 millimetres and either with right-hand, left-hand or reverse threads. "To keep an overview of all these options and to find the best combination in every case, customers can now access the new drylin SHT configurator," explains Stefan Niermann, head of the drylin linear and drive technology business unit at igus. "The handy online tool cuts short the selection, configuration and ordering of the lead screw module to a few mouse clicks." After the selection, users receive an exact documentation of their selection as well as a 3D view of their configured lead screw module (also in STEP format for download) and are shown the price and delivery time directly before they are forwarded to the shopping-basket. For tougher environments, igus is currently developing a version of the drylin SHT-ES made from extremely corrosion-free and acid-resistant V4A.

Captions:



Picture PM1417-1

Except for the Tribo-optimised liners, entirely made of stainless steel and therefore suitable for a variety of application possibilities: the new drylin SHT-ES lead screw module. (Source: igus GmbH)