

Square profile linear guide with adjustable play

The new DryLin® Q20 freely supports high loads from all directions

East Providence, RI – November 12, 2013 – igus® Inc. has expanded its linear guide range of products with the new DryLin Q20 square guide. The guide's square geometry means the Q20 is rigid around the axis of travel, ideal for applications where the customers only want to use one guide. They offer adjustable clearance features, allowing the running clearance to be increased or decreased by the customer, depending on the application. Like all DryLin products, the Q20 is based on lubrication free polymers, which eliminate the need for maintenance and allow them to operate in almost any environment. Additionally, the square-shaft profiles are hollow, allowing for a convenient space for cables or hoses.

New square guide variant for self-supporting solutions

The DryLin Q20 is a new size extension of the Q10 series square guide. This new size, with a .79 in. (20 mm) profile edge, is ideal for self-supporting and high load applications. Because of its square profile, the system is completely resistant against twisting, and the guide can support loads of up to 7.37 lbf in all directions.

Previous linear guide systems that were self-supporting and resistant to twisting have been achieved at igus with circular models guided with 2 parallel installed shafts, or via the classic rail guide that is continuously mounted, rather than self-supporting. Now that gap is closed with the DryLin Q20, available as a complete system.

The bearing play – manually adjustable

In addition to the adjustable guide carriage, the modular system consists of hard anodized aluminum square profile shafts. These are available in lengths up to 13 feet. Along with the functional safety on the igus profile, the DryLin Q20 carriage can be combined with all .79 in x .79 in. aluminum systems as well, commonly used in machine building. The carriage itself offers multiple options for mounting the assembly to the customer components through the use of slots and slot nuts.

The square, hollow profile provides space for supply lines, such as compressed air, electricity, or fluids, making the Q20 perfect for narrow spaces, such as in laboratory equipment like pipettors and small freezer units. Because of its space saving and lubrication-free qualities, the DryLin Q20 is frequently used in medical technology.

About igus®

igus® develops industry-leading Energy Chain® cable carriers, Chainflex® continuous-flex cables, DryLin® linear bearings and linear guides, iglide® plastic bushings, and igubal® spherical bearings. These seemingly unrelated products are linked together through a belief in making functionally advanced, yet affordable plastic components and assemblies. With plastic bearing experience since 1964, cable carrier experience since 1971 and continuous-flex cable since 1989, igus provides the right solution from over 80,000 products available from stock. No minimum order required. For more information, contact igus at 1-800-521-2747 or visit www.igus.com.

Captions:

Picture PR-111213-US-DryLinQ20-01, igus Inc.

The DryLin® Q20 can absorb high forces from any direction.

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