

Make your own polymer rotary tables in the size of your choice

Rotary table bearings in a diameter of one metre with igus universal sliding elements, are loadable up to ten tonnes

With the help of the flexible iglidur J universal sliding element from the igus GmbH, the user can now tailor the desired size of his rotary table bearing. Polymer rotary table bearings (PRT) from the igus GmbH exist in seven sizes and three types. There is also an igus PRT with quadratic flange for direct assembly on a flat surface.

igidur PRT is a rotary table bearing with the proven advantages of igus polymer plain bearings. The sliding elements made of the tribo-optimized plastic iglidur J run totally maintenance and lubrication-free. The counterfaces of the rotary table bearing are mostly made of aluminium and are hard-anodized. As a result they also have very good tribological and sliding features.

Install and forget

Rotary table bearings are often used for slow pivoting and rotating motions that are operated manually: The ready-to-install rotary table bearings have a self-locking effect, for example in case of pivoting control panels of machines. At clocked movements in assembly lines, they work perfectly for a long time, no matter how often the movement is performed.

igidur rotary table bearings - large, larger, infinite...

The smallest iglidur rotary table bearings have an inside diameter of 20 mm and the largest 300 mm. There are five other sizes in between. igus engineers have now developed a flexible plastic universal sliding element with which rotary table bearings in most different sizes can be achieved: By putting iglidur J sliding elements together, rotary tables from an inside diameter of 500 mm up to almost infinite can be manufactured as desired. A rotary table bearing with a diameter of one meter that is built up on that basis can be loaded with up to ten tonnes according to its model. With it igus successfully managed the entry into large to very large rotary table bearings. Large rotary tables are particularly required in the solar technology, for assembly units or



Picture PM2313-01:

If you put together single sliding elements made of iglidur J, rotary table systems from an inside diameter of 500 mm up to almost any size can be manufactured as requested. With a diameter of one meter, a load of up to 10 tonnes is possible according to the model. (Source: igus GmbH)

fixture construction. For such applications, igus not only delivers the sliding elements, but also supports the design engineer with information about precise dimensions and tolerances. With it the assembled bearing unit can be used immediately.

Rotary table bearing with square flange

All igus rotary table systems are wear-resistant, corrosion-free and easy to install - especially the new polymer rotary table bearing with square flange. It can be mounted on the flat surface with four screws only and without inlet holes. This avoids an additional distance ring. This rotary table has been designed for handling systems, the furniture industry and for display and advertising technology.

With many variants and flexibility

Along with the seven sizes, igus rotary table bearings are available in three versions: a robust standard version also with mounted gear wheel, a cost-effective variant made of one element as well as light-weight low-cost-version with an inside diameter of 80 mm. For accessories igus offers in addition to manual clamp and drive journal distance rings for other sizes - optionally made of aluminium or plastic.

CONTACT:

igus® GmbH
Spicher Str. 1a
D-51147 Köln
Phone +49-22 03 / 96 49-0
Fax +49-22 03 / 96 49-222
info@igus.de
www.igus.de

PRESS CONTACT:

Oliver Cyrus

Corporate Communication
igus® GmbH
Spicher Str. 1a
D-51147 Köln
Phone +49 (0) 22 03 / 96 49 - 459
Fax +49 (0) 22 03 / 96 49 - 631
ocyrus@igus.de www.igus.de

About igus®:

The igus GmbH is a world's leading manufacturer in the field of energy chain systems and polymer plain bearings. The family-run company is based in Cologne, represented in 29 countries and contracts 2,200 employees worldwide. In 2012 igus generated a turnover of 399 million Euro. igus operates the largest test laboratories and fabrics in its branch to offer customers innovative and tailor-made products and solutions within the shortest time.

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