

Easy mounting of ball pins by hand, thanks to the clip-on spherical bearing bushing from igus

Effortless assembly and separation with constant holding force

Thanks to the new igubal clip-on spherical bearing bushing from igus, the M6 ball pin can be mounted easily. For this purpose, only a cylindrical bore in a ten-millimetre-thick holding fixture is required. The easy dismantling of the bushing and ball pin makes this maintenance-free novelty from the motion plastics specialist igus ideally suited for prototyping.

The new lubrication- and maintenance-free igubal® clip-on spherical bearing bushing (ZCLM 06-10) from igus can be easily mounted manually. The '06' stands for a ball pin of size M6 and the '10' stands for the plate thickness of the holding fixture in millimetres. A cylindrical bore with 12 millimetre diameter, is all that you will need. "The ball pin is inserted into the bushing, then simply pushed until it clicks into the holding fixture," says Thomas Preissner, Product Manager of the igubal spherical bearings division at igus, while explaining the novelty. "Typical application areas for this are coupling rods, double spherical bearings or other solutions for driving connecting rods. The nice thing is that the designers have great freedom in designing their geometries." Inside the bushing there is a spherical holding fixture for the ball pin, that securely holds it in position. igus offers the matching ball pin in galvanised or stainless steel.

Lubrication-free solution for prototyping

Even the dismantling is as simple as the assembly! After pressing together the latching lugs offset by 90 degrees at the bottom side of the bushing, you can pull out the ball pin together with the bushing from the holding fixture. This option is an important feature particularly in prototyping. The holding force of 120 N remains intact even after repeated assembly and separation. The clip-on spherical bearing bushing is made of the iglidur J material from igus. Like all other plain bearing products from igus, the material is self-lubricating and dry running, therefore, subsequent maintenance can be avoided. More dimensions

of the igubal clip-on spherical bearing bushing are already being planned. igus provides more special solutions on request for geometries or materials of the ball pin.

A video of the simple assembly and disassembly can be found here:
<https://youtu.be/EI46T7ARE5Y>

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ABOUT IGUS:

igus GmbH is a globally leading manufacturer of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 36 countries and employs around 2,700 people around the world. In 2014, igus generated a turnover of 469 million euros with motion plastics, plastic components for moving applications. igus operates the largest test laboratories and factories in its sector to offer customers quick turnaround times on innovative products and solutions tailored to their needs.

The terms 'igus, e-ketten, e-kettensysteme, chainflex, readycable, easychain, e-chain, e-chainsystems, energy chain, energy chain system, flizz, readychain, robolink, pikchain, triflex, twisterchain, invis, drylin, iglidur, igubal, xiros, xirodur, plastics for longer life, CFRIP, dryspin, manus and vector' are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.

Caption:



Picture PM2815-1

The new igubal clip-on spherical bearing bushing from igus can be easily mounted by hand. (Source: igus GmbH)