

Removable ball and socket joints with an always reliable grip

New igus component guarantees a constant holding force though with a simple manual assembly

Due to a revised design the quick release igubal ball and socket joints made of plastic can now be closed manually by clicking in, and be easily opened again and disassembled with a screwdriver; thereby a constant holding force of the ball pins is guaranteed compared to the standard part.

With the new quick release igubal ball and socket joints from igus, the holding force remains constant even after repeated assembly and disassembly of ball pins. A click-in mechanism, which can be closed by hand and simply opened with a screwdriver, ensures that the ball pins remained stable and were easily disassembled again at the same time. The ball and socket joint is made of the 100 percent high-performance plastic igamid, which makes it absolutely corrosion-free, requiring no maintenance or lubrication.

"Even when the ball and socket joints need to be released quickly for maintenance in the automotive industry for gas springs, pneumatic cylinders, linkage or sensor connections or even in machine and plant construction, the high holding force of the new angle joints of 300 N always remains the same in the assembled state," explains Thomas Preißner, head of igubal spherical bearings at the igus GmbH. The ball pins that are clipped into the ball and socket joint, are available in plastic, stainless steel or galvanised steel. "For the latter there are also ball pins with internal thread, whereby other components and assembly processes can be saved."

Various sizes or custom solutions available

Currently, the ball and socket joints for ball pins with 8 mm diameter and M5 thread, as well as 10 mm diameter and M6 thread are available from stock at igus - other sizes are already being planned. Customised solutions according

to the modular principle are also possible, for example with sealing caps or as coupling rods with customised depth gauge.

Captions:



Image PM3114-1

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ABOUT IGUS:

igus GmbH is a globally leading manufacturer in the field of energy chain systems and polymer plain bearings. The Cologne-based family business has offices in 35 countries and employs around 2,400 people around the world. In 2013, igus generated a turnover of 427 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.