

## **Consistently high holding force guaranteed: Demountable angled joints from igus**

**New variable option enables individual lengths from a quantity of 1**

**The motion plastics specialist igus has combined the demountable igubal angled joint with the user-friendly "crimped" joining method. The advantages: customised lengths from 1 piece, easy assembly and disassembly, as well as high holding force up to 300 N, and completely free of lubricant and maintenance.**

Angled joints made of tribologically optimised plastics are becoming increasingly popular, whether in the automotive, machinery or plant construction. Just like the low cost, low weight, corrosion resistance and long service life speak in favour of the igus angled joints. In addition, you can eliminate external lubrication with the use of an incorporated dry lubricant and they are therefore practically maintenance free. These positive features characterise the new demountable option as well. The iglidur RN 56 material has particularly good friction coefficients, low wear and robustness. The crucial factor is that the ball pin, which is made of galvanised steel, stainless steel or plastic, is always kept stable compared to the standard part. With the demountable angled joint the user has a component in variable lengths from 100 mm. which makes it suitable for demanding environments such as accessories for pneumatic cylinders and gas springs.

### **Easy installation and dismantling**

Frequently, the user is faced with the task of mounting its angular joints quickly yet safely or demounted easily for maintenance. The process speed is a decisive cost factor because it determines the downtimes of the plant. The demountable angled joint is the ideal solution. A few seconds are enough to release the ball pin using a screwdriver. The cylindrical design of the articulated shaft with its recesses guarantees high mechanical safety during crimping. Even in the case of repeated dismantling, the holding force of the ball pin (M6) is not affected. Up to 300 N holding force is permanently ensured even after repeated opening and closing of the connection. Demountable angled joints are also

available as an option with M5 and M6 female thread in combination with threaded rods in customised lengths from 80 mm.

**Caption:**



**Picture PM3816-1**

The angled joint made of lubrication and maintenance free high-performance plastic with ball pin is very easy to assemble and disassemble - with constant holding force up to 300N. It allows customised lengths and is available from a quantity of 1 piece. (Source: igus GmbH)

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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.