

## **New plastic clamp concept from igus for triflex R energy chains on cobots**

Collaborative robots, or cobots, are mainly used as assistants in simple or interactive activities and, in contrast to large and fast industrial robots, work hand in hand with humans. That is why cobot and industrial robot service engineers are already using igus' multi-axis round triflex R e-chains. In addition to conventional metal clamps for industrial robots, igus has developed new plastic mounting clamps that attach the energy chain to the robotic arm both quickly and easily.

The new clamps are suitable for cobots from Universal Robots, TMS and KUKA LBR iiwa robotic arms. Designed rounded edges the plastics clamps also help increase workplace safety by reducing the risk of injury when in contact with the cobot. The plastic clamps can be quickly attached to the robotic arm via a screw connection and the triflex R is attached to the clamp by a simple clip and fixed into place.

By combining the flexibility of a hose with the stability of an energy chain, the round triflex R ensures reliable cable guidance in multi-axis movements. A ball/socket principle ensures high tensile strength and easy installation of the e-chain. Interior separation and the prevention of over-stressing also increases service life and operational reliability of the application.

The triflex e-chains are available as a complete package with cobot designed clamps, cables and connectors immediately ready for connection. For more information, please visit: [www.igus.co.uk/info/robotics-hrc-bracket-fastening](http://www.igus.co.uk/info/robotics-hrc-bracket-fastening) or contact igus directly on: 01604 677240

### **igus resources:**

-  LiveChat with our technical team at [igus.co.uk](http://igus.co.uk)
-  Follow us at [twitter.com/igusUK](https://twitter.com/igusUK)
-  Watch our videos at [igus.co.uk/YouTube](http://igus.co.uk/YouTube)
-  Connect to us at [igus.co.uk/Facebook](http://igus.co.uk/Facebook)
-  Read our blog at [blog.igus.co.uk](http://blog.igus.co.uk)

### **About igus:**

Based in Northampton in the UK and with global headquarters in Cologne, Germany, igus is a leading international manufacturer of energy chain systems and polymer plain bearings. The family-run company is

represented in 35 countries and employs 3.800 people around the world. In 2017, igus generated a turnover of 690 million euros with motion plastics, plastic components for moving applications.

With plastic bearing experience since 1964, cable carrier experience since 1971 and continuous-flex cable since 1989, igus provides the right solution based on 100,000 products available from stock with between 1,500 and 2,500 new product introductions each year. 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, chainflex, CFRIP, conprotect, CTD, drylin, dry-tech, dryspin, easy chain, e-chain, e-chain systems, e-ketten, e-kettensysteme, e-skin, flizz, ibow, iglide, iglidur, igubal, manus, motion plastics, pikchain, readychain, readycable, speedigus, triflex, plastics for longer life, robolink and xiros are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.

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**For further information, please contact:**

Megan Campbell, igus

Tel: 01604 677240

Email: [mcampbell@igus.co.uk](mailto:mcampbell@igus.co.uk)

Sumbul Baig, Publitek

Tel: 01582 390980

Email: [sumbul.baig@publitek.com](mailto:sumbul.baig@publitek.com)