

igus introduces the world's first modular energy chain made of steel and plastic

igus has developed its first plastic-steel hybrid energy chain for telescopic applications, such as cherry pickers, telehandlers and boom lifts. Compared to conventional steel energy chains which are sometimes used in these applications, the new YE.42 e-chain is half the weight. It also provides up to 10m unsupported travel, which is 50% more than for plastic energy chains.


“Previously, mobile machine builders relied on rigid steel chains, which are very difficult to assemble and must often be completely replaced if maintenance or repair work is required,” says Justin Leonard, director, the-chain division, igus. “For machine operators and rental companies, servicing can therefore be costly - the YE.42 e-chain solves these problems.”

The hybrid e-chain is easy to install and maintain thanks to its modular design. It is easy to assemble without using screws, rivets or bolts – a clear advantage over steel energy chains, which may loosen under vibration. The load-bearing links are made of steel to ensure high rigidity, while the pin-bore connections, outer plates and crossbars are made of high-performance plastic, which reduces the overall weight. The hinged crossbars enable cables and hoses to be installed and replaced quickly, without having to be dismantled.

igus also offers a wide range of interior separators to protect the cables and hoses, prolonging service life. Currently available from stock with an internal height of 42mm and a width of 50-400mm and a bending radius of 100mm, the e-chain is available in other sizes upon request. It is also available as a preassembled readychain system with chainflex cables suitable for energy chains and tested, hydraulic components as well as hoses and hose fittings.

For more information about the new YE hybrid e-chain, please visit: www.igus.co.uk/YE.42echain
or call igus directly on: 01604 677240

igus resources:

-  LiveChat with our technical team at igus.co.uk
-  Follow us at twitter.com/igusUK
-  Watch our videos at igus.co.uk/YouTube
-  Connect to us at igus.co.uk/Facebook
-  Read our blog at 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 4,150 people around the world. In 2018, igus generated a turnover of 748 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 experience 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, Apiro, chainflex, CFRIP, conprotect, CTD, drylin, dry-tech, dryspin, easy chain, e-chain, e-chain systems, e-ketten, e-kettensysteme, e-skin, flizz, ibow, igear, iglidur, igubal, kineKIT, manus, motion plastics, pikchain, plastics for longer life, readychain, readycable, ReBeL, speedigus, triflex, robotlink, and xiros are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.

All other registered trademarks and trademarks are the property of their respective owners.

For further information, please contact:

Megan Campbell, igus

Tel: 01604 677240

Email: mcampbell@igus.co.uk

Dulcie Elliot, Publitek

Tel: 01582 390980

Email: dulcie.elliott@publitek.com