

Energy supply in all directions with the new e-spool standard from igus

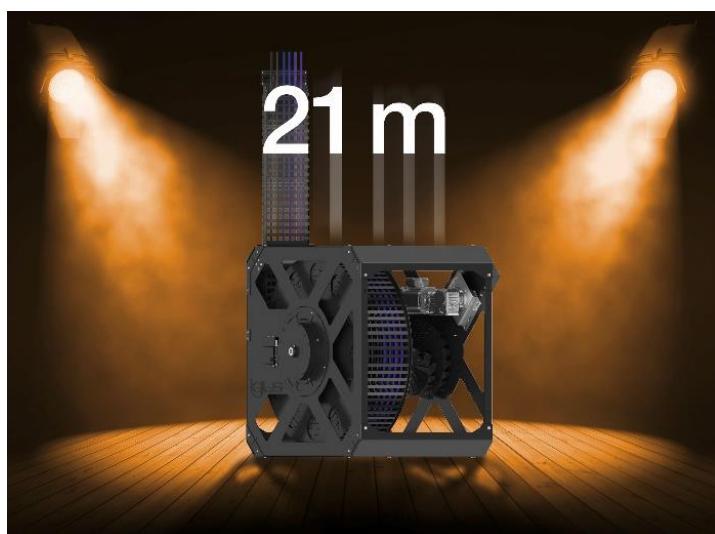
Roll up 21 metres of cables and hoses safely without a motor

Whether at lofty heights, flat on the ground or in depth. With the e-spool - the slip-ring-free cable drum - igus offers an energy supply for different application scenarios. The compact, spring-driven system can safely guide energy, media or fibre optic data cables. To enable users to access the energy chain system even for longer lengths, igus has developed a new standard. Thanks to an optimised design, the e-spool can now extend cables and hoses up to 21 metres without the need of a motor.

In stage technology, on oil platforms or in process cranes - the rollable e-spool is used wherever cables have to be moved safely and in the tightest of spaces. The compact energy chain system from igus is an alternative to the classic cable drum, but with two major differences: the e-spool is the only solution that can carry not only energy, but also all media such as data, compressed air and liquids. Because, it connects two different energy supply systems in one. A standard e-chain, which is guided by a guide roller, always ensures with an integrated retaining spring the correct length and tension of the e-chain system. An igus twisterband is responsible for the rotational movements. This special structure makes movements in every direction possible. Another difference: the e-spool does not need an expensive slip ring. This means that the most diverse cables can be continuously connected in a confined space in a system, and also be replaced or added at any time. To help users to fall back on the practical energy chain solution for longer travels, igus has developed a new e-spool standard for 21 metres. For the first time, igus presents this as a prototype to a specialist audience at the Hannover Messe.

Optimised structure for more filling and carrying capacity

The new e-spool has evolved from customer requirements and experience of recent years and covers the gap between the spring-driven standard e-spool for up to 14 metres extension length and the motorised e-spool for large projects, for example in the offshore sector or in opera houses. The new energy chain system was equipped with a larger twisterband for a higher filling. To compensate for the payload and extension length, the new structure of the e-spool provides more bracing, a more stable all-enclosing body and a reinforced floor plate as a retraction safeguard. In order to withstand the higher forces, the developers also opted for an optimised mechanism for adjusting the spring force. The new e-spool standard is available either as a spring-driven version with 2 HD springs or as a motor-driven version with a built-in stationary motor.

Caption:**Picture PM2019-1**

Roll up 21 metres of cables and hoses safely with the new, compact e-spool standard from igus. (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 35 countries and employs around 4,150 people around the world. In 2018, igus generated a turnover of 748 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", "Aripo", "chainflex", "CFRIP", "conprotect", "CTD", "drylin", "dry-tech", "dryspin", "easy chain", "e-chain", "e-chain-systems", "e-ketten", "e-kettensysteme", "e-skin", "flizz", "igear", "iglidur", "igubal", "kineKIT", "manus", "motion plastics", "pikchain", "plastics for longer life", "readychain", "readycable", "ReBeL", "speedigus", "triflex", "robolink", and "xiros" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.