

No fuss guidance for long travels

164 feet without a guide trough

East Providence, RI – June 17, 2013 – igus®' E2/000 Energy Chain® cable carriers are now available in a cost-saving design which eliminates the need for guide troughs in long travel applications. The E2/000's inbuilt AUTO-GLIDE mechanism guides the upper run of the cable carrier on top of the lower run by way of specially designed crossbars with a built-in comb design.

Long travels can be a challenge for cable carrier systems because the upper run of the cable carrier needs to glide on top of the lower run. Guide troughs are usually necessary to prevent the upper run moving off to one side and increasing wear on the system.

However, in many cases guide troughs take up too much floor space: For example in indoor applications that use indoor cranes, forklifts, conveyer systems, or other handling equipment. For these applications, the new E2/000 series with AUTO-GLIDE crossbars will operate safely over travels up to 164 feet and at speeds up to five feet per second without a guide trough.

The AUTO-GLIDE crossbars can be opened on the inner radius and offer a larger surface area than usual, which increases the service life of the cable carrier system. The system includes a clip-on guide wing for the chain link that meets the lower run first. This guide wing is only required once for extra guidance. Hemispherical floor guides are recommended for travels over 50 feet. These robust, low-profile guides are fixed to the ground in pairs either side of the cable carrier and seven feet apart to give the lower run additional guidance.

E2/000 Energy Chains can be opened from the left or right side for quick and easy cable access and are available fully enclosed, half enclosed, or as an open version from stock. They operate quietly and offer a long cable service life and multiple mounting options.

The crossbars have a high holding force of close to 160 pounds depending on the series, which helps guarantee a safe and reliable operation.

Alongside the new AUTO-GLIDE system, igus has released new low-friction separators for the E2/000 range to enhance cable life. The plastic bars have been optimized to accommodate cables and tests have shown that they increase cable service life by a factor of four.



igus carries out tests like this in its in-house laboratories on a daily basis. The results are fed into the company's database and form a basis for its service life calculation programs for both its Energy Chains and continuous-flex cables.

About igus

igus develops industry-leading Energy Chain® cable carriers, and Chainflex® continuous-flex cables, DryLin® linear bearings and linear guides, iglide® plastic bushings, igubal® spherical bearings. These seemingly unrelated products are linked together through a belief in making functionally advanced, yet affordable plastic components and assemblies. With plastic bearing experience since 1964, cable carrier experience since 1971 and continuous-flex cable since 1989, igus provides the right solution from over 80,000 products available from stock. No minimum order required. For more information, contact igus at 1-800-521-2747 or visit www.igus.com.

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