

Video: Guide systems from igus are four times quieter than recirculating ball bearing guides

Noise test illustrates differences in the design principles

Whether in laboratory technology, furniture technology or fitness machines – in applications where precision in the tenth of a millimetre range is sufficient, but very quiet operation is required, linear guide with sliding elements made of plastic are very impressive. In contrast to recirculating ball bearing guides no metallic bodies are rolled here, which causes vibrations and thus increases decibel levels. In the video the motion plastics specialist igus shows the comparison of different drylin guide systems with dimensionally identical alternatives. On average, the linear guides from igus are about 20 decibels quieter. This corresponds roughly to the difference between a running refrigerator (~50 dB) and a vacuum cleaner (~70 dB).

The video of the noise test can be found at:

<https://youtu.be/NtExKLZNNME>



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Proved in noise test: drylin linear guides with sliding elements instead of rolling elements are on average four times quieter than dimensionally identical alternatives. (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 2,950 people around the world. In 2015, igus generated a turnover of 552 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", "chainflex", "CFRIP", "conprotect", "CTD", "drylin", "dry-tech", "dryspin", "easy chain", "e-chain", "e-chain systems", "e-ketten", "e-kettensysteme", "e-skin", "energy chain", "energy chain systems", "flizz", "iglide", "igidur", "igubal", "invis", "manus", "motion plastics", "pikchain", "readychain", "readycable", "speedigus", "triflex", "twisterchain", "plastics for longer life", "robotlink", "xiros", "xirodur" und "vector" are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.