

Designed for corners: Angled linear guides from igus

New lubrication-free drylin solutions for custom design concepts

Individual requirements and space optimisation calls for new ideas in the field of design. In the instance of linear plain bearings, the straight structured rail guide has caused certain limitations. Now the plastics expert igus also offers angled drylin rails, which give the designers more freedom such as, in the cabins of construction and agricultural equipment.

Utilising the already proven and tested drylin W linear plain bearings, igus has developed a new offer for linear guides that provide a functional reliable and cost-effective solution even for angled travel paths. The angled guide rails are made of aluminium and have an exceptionally resistant hard-anodised coating. Customised guide carriages thereby implement cornering without tilting or seizing. In addition, appropriate hand clamps can be added. Low installation effort and maintenance-free operation are the strengths of the new system, which like all drylin systems combine low friction coefficients with dirt-repellent dry operation. The drylin aluminium rails are also easy to machine individually and are characterised by their light weight.

Use in driver's cabs

The driver's cab of an agricultural machine is a good example of how angled guide rails can increase flexibility in the adjustment of monitors, seats or fittings and ideally adapt to the general design of the machine. Every agricultural machine has its specific frame sizes and design requirements. Adaptable, modular components create the necessary leeway to achieve custom solutions. The angled drylin rail can be configured. Within certain physical limits, users can choose their own bending radius and therefore optimally fit in the driver's cab. igus manufactures the section rail according to these specifications and provides the individual rails and linear bearings from the range of drylin W and drylin T.

Captions:

Image PM0615-1

The angled guide rails are made of aluminium and have an exceptionally resistant hard-anodised coating. In the maintenance-free application, cornering becomes trouble-free without tilting or seizing. (Source: igus GmbH).

Image PM0615-2

Examples for the versatile use of angled section rails in the driver's cab of an agricultural machine: lubrication-free mobility in all directions, even in the most confined of spaces. (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 2,400 people around the world. In 2013, igus generated a turnover of 427 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, e-ketten, e-kettensysteme, chainflex, readycable, easychain, e-chain, e-chainsystems, energy chain, energy chain system, flizz, readychain, robolink, pikchain, triflex, twisterchain, invis, drylin, iglidur, igubal, xiros, xirodur, plastics for longer life, CFRIP, dryspin, manus and vector' are protected by trademark laws in the Federal Republic of Germany and internationally, where applicable.