

Clip-on guide rings from igus, instead of elaborately punched PTFE tapes

Lubrication-free piston rings available in new dimensions

Where PTFE tapes have to be expensively customised and fitted, the iglidur piston rings from igus can be simply clipped on the piston or bolt. This affordable option from igus is now available in a variety of sizes and materials.

Whether in driving elements in the packaging and medical systems or in construction and agricultural machinery, the lubrication-free piston rings from igus have proved successful for years. The igus customers can select from the entire iglidur catalogue range with 45 different materials and even configure their piston ring themselves. Particularly predestined materials here are iglidur J350 for high-temperature applications, the FDA-compliant iglidur A180 or the wear-resistant all-rounder iglidur J. These are also available now from stock in 24 special piston ring sizes.

Easy and quick assembly

The clip-on piston rings allow long-term use without external lubrication, maintenance or replacement of the polymer rings. Where PTFE tapes have to be punched in a complicated procedure and assembled in several steps, the piston rings from igus are simply clipped onto the piston rod or in the housing, they can be pushed to the desired position and already have the piston ring captively mounted and the assembly of the entire unit can continue. Errors in installation can then virtually be excluded.

The iglidur piston rings are suitable for linear and/or rotary and pivoting movements and are ideal not only for “clean” applications in medical and packaging technology, but also for “rugged” applications in construction or agricultural machines due to their freedom from lubrication, chemical resistance and corrosion resistance. By their low cost and durability, they are a cheap alternative to PTFE tapes.

Captions:



Image PM2814-1

Place, clip on and ready: Maintenance-free iglidur piston rings from igus are mounted with just one hand. Ready for installation, they are increasingly replacing the expensively produced PTFE tapes. (Source: igus GmbH)



Image PM2814-2

Customers can choose from the entire iglidur catalogue range and configure their desired piston ring. (Source: igus GmbH)

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ABOUT IGUS:

igus GmbH is a globally leading manufacturer in the field 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, robotlink, 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.