

## **Move high loads easily with lubrication-free igus ball transfer units**

**Advanced polymer ball transfer units for conveyor tables ensure five times more load bearing capacity**

**Ball tables are used if delicate or heavy goods are to be transported in different directions. Equipped with the new polymer ball transfer units from igus, they ensure fast transport. The ball transfer units made of the high-performance plastic xirodur B180 absorb loads of up to 500 N, are lubrication-free and maintenance-free. Stainless steel balls inside the roller allows smooth running.**

Ball tables are used wherever sensitive or heavy loads are transported from A to B: items such as circuit boards, food, goods in airports, glass panes or goods in the sheet metal processing industry. By using ball transfer units in the conveyor tables, loads can be transferred quickly and easily in any direction. The new ball transfer units from igus are made of high-performance polymers which ensure smooth transport even at high loads. For the advanced polymer ball transfer units, igus use their proven material, xirodur B180. Being dimensionally identical to metallic ball transfer units is where the similarity ends, all igus units are lubrication-free and maintenance-free, ensuring no lubricating grease can adhere to the goods. By using a plastic ball, the use of new rollers is particularly suitable when sensitive goods are to be transported. Another advantage compared to metal: the ball transfer units can be used in any installation position, whether horizontal, vertical or overhead, which now also extends the field of application to the furniture industry.

### **Five times more load bearing capacity due to new design**

The optimised polymer ball transfer units have a new housing interior, so they can now take up to five times more load than before. The ball transfer units are currently available in three installation sizes and, depending on their size, withstand an axial load of 150 to 500 N. Due to their material, they are very abrasion-resistant, have a long service life and have an electrically insulating effect. The rollers are mounted by simply pressing into the housing. If the user wants to additionally secure the polymer ball transfer unit, igus offers a clamping

ring for extra security. If required, using the glass balls inside the housing, the ball transfer units can be assembled on customer request individually as a completely metal-free and therefore non-magnetic solution.

**Caption:**



**Picture PM0619-1**

The advanced and lubrication-free polymer ball transfer units from igus ensure the safe transport of sensitive goods such as food. (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.

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