**New item components for automation tasks**

**Interlinking Linear Units in multi-axis systems easily and reliably**

**The new Transverse Carriage Plates KLE 6 60x60 and 8 80x80 from item make it possible to combine two axes in automation applications while still creating a robust overall system. Besides making light work of designing, building and commissioning multi-axis systems based on item Linear Unit KLE, these Transverse Carriage Plates also ensure a secure connection. Pick-and-place solutions can thus be implemented using a single component including accessories – without the need for complex fastening technology or specially milled parts. Another new addition to the item portfolio for automation systems is Gearbox 60-16, which generates a high drive torque at a medium motor speed and ensures heavy loads are moved safely and securely.**

The connection between two Linear Units in 2D applications such as pick-and-place solutions is subject to stringent requirements. In many cases, reliable and robust systems depend on complex fastening technology or specially milled parts. Using the new [Transverse Carriage Plates KLE](https://product.item24.de/en/products/product-catalogue/products/automation-system-1001579049/) from the item Automation System, however, a single component paired with the appropriate fastening material is all that is needed to establish a secure connection. Multi-axis solutions can be designed and commissioned much faster as a result. What is more, all the necessary holes in these Plates are drilled at the factory. The Transverse Carriage Plate has been designed for use with Linear Units [KLE 6](https://product.item24.de/en/directlink/pro/60507) and [KLE 8](https://product.item24.de/en/directlink/pro/60502) in a modular dimension of 60 mm and 80 mm as the primary support profile. Models from the item portfolio with suitable modular dimensions can be used as the second Linear Unit. The item [MotionDesigner®](https://motiondesigner.item24.de/DEen/%23/type) online software offers assistance with the design and configuration processes. Customers receive the best possible support for designing their Linear Units and simply choose the Transverse Carriage Plates as accessories for Linear Unit KLE.

**New Gearbox – particularly suitable for lifting applications**

The range of Gearboxes offered by item now also includes [Gearbox 60-16](https://product.item24.de/en/products/product-catalogue/products/automation-system-1001579049/). Exhibiting a gear ratio of 1:16, this extremely robust solution generates a high drive torque at a medium motor speed, ensuring heavy loads can be securely moved and held in place. One benefit of this is that no powerful motors are required to implement high-speed lifting movements. Gearbox 60-16 connects a motor to a drive set in an axial (AP) or bevel (WP) arrangement. It can be combined with other components that have a 60 mm-wide housing in a plug and play arrangement. This low-noise and compact planetary gearbox is available in the gear ratios 1:3, 1:5, 1:7 and 1:16, and does not require any maintenance.

**Length:** 2,725

**Date:** 8 July 2020

**Photos:** 1 (source: item)

**Caption 1:** The new Transverse Carriage Plates KLE 6 60x60 and 8 80x80 from item make the process of designing, building and commissioning multi-axis systems based on item Linear Unit KLE quick and easy.

**About item**

item Industrietechnik GmbH is a global market leader in building kit systems for industrial applications and employs 900 members of staff worldwide, 750 of whom are based in Germany. It has been designing and marketing construction solutions for machinery, fixtures and plants since 1976. Today, the item product portfolio comprises more than 4,000 high-quality components designed for use in machine bases, work benches, automation solutions and lean production applications. Thanks to the inclusion of transport solutions and dynamic elements, the company’s products can cover virtually all working processes, from manual production to automated manufacturing. The highly skilled employees work day in, day out to develop innovative solutions for state-of-the-art mechanical engineering and also offer exceptional consulting services. item is headquartered in Solingen, Germany. Eleven branches and support centres ensure the company is always close to customers in Germany. The group has wholly owned subsidiaries in the USA, China, Mexico, Italy, Poland and Switzerland.

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