**Expanding the Lean Production Building Kit System**

**Optimising lean processes
with the help of new item components**

**Safe, gentle and efficient – lean production places high requirements on the transportation of goods. With numerous components for Profile Tube System D30, item is creating the perfect conditions for successfully implementing the ideas of lean production in factory equipment engineering. The Solingen-based company is constantly expanding its** [**Lean Production Building Kit System**](https://www.item24.de/en/productworld/lean-production.html)**. One new addition is Shock Absorber D30-110 15, adjustable for protecting moving assemblies in Karakuri applications. Hatches and lifts in these automated processes are slowed down reliably, which reduces the strain on the system frames and prevents any hard impact at the limit stop. New Rotary Latch System D9, 5-120x30 with Latch Bolt Set provides a high holding force for hatches and lifts. The latch releases with precision and requires only a low engagement force. Also new in the range is Slide Strip 48x2, plain ESD, which reliably protects transported goods and stops electrostatic charges building up.**

The Lean Production Building Kit System from item contains numerous components for fast, sophisticated and solution-oriented factory equipment engineering. Mechanical automation without drives, electricity or compressed air leads to efficient processes using gravity. In these Karakuri applications, item roller conveyors are frequently used in combination with hatches and lifts to move goods from their starting place to their destination. This motion can be brought to a gentle halt with the help of new [Shock Absorber D30-110 15, adjustable](https://product.item24.de/en/products/product-catalogue/productdetails/products/new-products-2019ii-autumn-1001585998/shock-absorber-d30-110-15-adjustable-68368/). This ensures a smooth transition from one automation step to the next, which is gentle on components while also reducing the strain on frames and racks. The damping action of the oil-filled Shock Absorber can be adjusted with a screwdriver – even after it has been fitted to the frame. The maximum damping travel is 15 mm. [Rotary Latch System D9, 5-120x30](https://product.item24.de/en/products/product-catalogue/productdetails/products/new-products-2019ii-autumn-1001585998/rotary-latch-system-d95-120x30-69500/) provides a strong hold for hatches and lifts in Karakuri applications. Even when under strain, the unlocking mechanism of the latch, which is operated via an integrated level with eyelet, works with impressive precision. This makes it easy to load and unload small load carriers in Karakuri applications, for example. The latch can then be locked again with ease. The mechanism is operated via Bowden cable components or other cable systems. By providing all the necessary screws and T-Slot Nuts and a mounting plate that can be used on both sides, item makes it easy to attach the latch and align it as required. The associated [Latch Bolt Set D9, 5-22.5-M8](https://product.item24.de/en/products/product-catalogue/productdetails/products/new-products-2019ii-autumn-1001585998/latch-bolt-set-d95-225-m8-69700/) contains all the components for installation in a Line 8 groove. New [Slide Strip 48x2, plain ESD](https://product.item24.de/en/products/product-catalogue/productdetails/products/new-products-2019ii-autumn-1001585998/slide-strip-48x2-plain-esd-black-similar-to-ral-9005-69684/) offers optimum protection for goods being transported on roller conveyors. The Slide Strip simply clips onto the side of aluminium Guide Rails from item. The smooth, elastic plastic reduces friction between surfaces and thus prevents electrostatic charges from building up in the transported goods. The Strip is available in black and grey (without ESD protection).

All the new products in the lean production range can be found online at <https://product.item24.de/en/products/product-catalogue/products/profile-tube-system-d30-1001544172/>

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**Caption 1:** New Shock Absorber D30-110 15, adjustable brings the movement of hatches and lifts in automated processes to a gentle stop.

**Caption 2:** New Rotary Latch System D9, 5-120x30 provides a strong hold for hatches and lifts in Karakuri applications.

**Caption 3:** New Slide Strip D30 48x2, plain ESD clips onto the side of item aluminium Guide Rails and prevents the build-up of electrostatic charges in transported goods.

**About item**

item Industrietechnik GmbH is a global market leader in building kit systems for industrial applications and employs around 500 members of staff. 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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