**Expansion of the item Lean Production Building Kit System**

**New components for lean construction**

**End Caps and Transverse Fasteners – these are just two of the ten new components in the Lean Production Building Kit System from item. The pioneer in building kit systems for industrial applications** **is constantly expanding its portfolio and continuously making new solutions available for challenging and rapid factory equipment engineering. This is how material provisioning and picking and production processes can be optimised in the long term. As a raised end piece on Profile Tubes, the new End Cap secures materials during transport and prevents them from slipping. The new Transverse Fasteners enable stable connections between crossing profiles. They are available in two variants – firstly with a freely adjustable angle and secondly at a fixed 90° angle.**

The new End Caps D30 H43 from the item Lean Production Building Kit System turn tubes into hooks. The preassembled claw fixing enables a torsion-resistant connection between the end pieces and Tubes D30 or Profile Tubes D30. They are fitted to the end-face simply by screwing the components together. Cables and other parts can be stored safely and securely, as the thick walls and rounded edges of the End Caps protect them from damage and prevent them from slipping from the (Profile) Tubes, even during transport. If the claw of the fixing is removed, the End Cap can be screwed to an M6 thread in Profile Tube D30 heavy duty or Profile 6 D30. For the ESD protection of transport trolleys and shelving units, the End Cap is also available in variant D30 H43 ESD.

**Additional stability for crossing Profile Tubes**

The new Transverse Fasteners D30-70 rotating provide a stable connection for crossing Profile Tubes. They can be set to any angle and can also be adjusted afterwards. This means gradients within a frame can be changed in next to no time. With a mounting dimension of 70 mm, the extremely compact Transverse Fastener is adapted for use with components that have flank geometry. In addition to the variable Transverse Fastener D30-70, there is also a variant with a fixed 90° angle – Transverse Fastener D30-60. This makes it possible to achieve a transverse fastening in the modular dimension. The preassembled Transverse Fastener is simply positioned on the Profile Tube and tightened. The two halves of the Fastener can also be placed separately to strengthen constructions in a targeted way.

**Numerous new components**

Other New Products in the item Lean Production Building Kit System include Label Profile D30 e ESD and Label Profile D30 0-20° e ESD, which can be attached to the Profile Tube at various angles. In combination with Label Hanger Clip D30 T2, Display Hanger H57 31.2x1.5-93 ESD and Display Hanger Profile H57 31.2x1.5 ESD securely fasten displays for digital prices. The new Roller Conveyor Support 30-50 fixes roller conveyors to cross tubes for added stability. This prevents side movement. The new Castor Ball Insert D16-33 ESD provides low-friction movement of transported goods. Bearing Block 8 80x80-50 with Rotational Damper Sets 8Nm 4kt10 dampens rotational movement, preventing uncontrolled acceleration of assemblies in lean production. Assembly Tool D30/D5.2-30 is perfect for building conveyor lines with item Conveyor Rollers. It covers the axle of the bearing flange so that it can be installed without being damaged.

**Length:** 3,725

**Date:** 16 December 2020

**Photos: 3 (source: item)**

**Caption 1:** The new End Caps D30 H43 from the item Lean Production Building Kit System turn tubes into hooks – materials cannot slip during transport.

**Caption 2:** The new Transverse Fasteners D30-70 rotating provide a stable connection for crossing Profile Tubes. They can be set to any angle.

**Caption 3:** Transverse Fastener D30-60 has a fixed 90° angle, enabling a transverse connection in the modular dimension.

**About item**

item Industrietechnik GmbH is the pioneer in building kit systems for industrial applications and a partner of the manufacturing industry across the entire globe. 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. The company has received a string of awards for products with ground-breaking industrial design and end-to-end ergonomics.

item is spearheading digital engineering by driving forward the digitalisation of processes with software tools developed in-house. The item Academy offers training at various levels with on-demand training and online courses available in multiple languages.

Headquartered in Solingen, Germany, item has subsidiaries in various countries. Some 900 employees worldwide harness their know-how and passion to develop innovative solutions and services. Eleven sites make sure the company is always close to customers in Germany, with a global logistics chain ensuring swift delivery times for all components.

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