

KIPP NEWS

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HEINRICH KIPP WERK



 **FEATURE grip**

NEW INDEXING PLUNGERS WITH INTEGRATED STATUS SENSOR



COLOURED CLAMPING LEVERS
WITH CLAMPING FORCE INTENSIFIER



SUSTAINABILITY
FLOWER MEADOW AND BIOTOPES

2022

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KIPP NEWS

Dear readers,

In this edition of KIPP NEWS, you will find numerous innovations. The further development of our classic clamping level receives a clamping force intensifier for higher clamping forces with little effort.

Our FEATUREgrip product line has been extended with an indexing plunger with status sensor – so you will be optimally equipped for digitalised production processes and Industry 4.0.

What do our shaving deoiling system and a flower meadow have in common? Inside, you will learn how both follow the same goal of treating our environment more sustainably.

Enjoy reading!

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Otto Braun, Sales Manager

COLOURED CLAMPING LEVERS WITH CLAMPING FORCE INTENSIFIER

For clamping levers with integrated clamping force intensifier, the clamping force can be increased by up to 75% compared with standard clamping levers – with the same tightening torque.

Comparable clamping forces can be achieved with little force expenditure.

In the same way, little hand force is required in order to release the clamping lever. As a result, this product can also be used by people with limited hand strength, for example, those in rehabilitation.

When clamping, the retaining force is increased by the integrated axial needle bearing, which creates very low surface

friction on the fixed contact surface.

The hardened stopper discs are designed for high clamping forces and the load rating of the bearing ensures long service life. The large, fixed support surface permanently protects the clamped component.

Because of the modular design, the product can be supplied in many special versions.



PRACTICAL AND ERGONOMIC: INDEXING PLUNGERS WITH CAM LEVER

HEINRICH KIPP WERK presents another new development: indexing plungers in which the pin is disengaged by means of a cam lever are now entering the market. When the user moves the cam lever past the dead centre of the cam, the pin disengages. The advantages of the new variants are the ergonomic design, flat construction, high temperature resistance and rapid adjustment.

The indexing plunger remains disengaged when the handle is moved over the cam dead centre. The operator can comfortably disengage one pin after another without having to hold all grips in the open position – this permits convenient rapid adjustment.

Another plus point is the ergonomic design of the cam lever, which permits easy handling with little effort.

The cam levers can be rotated through 360° and are significantly flatter than mushroom or T-grips when idle.

This also enables recessed mounting of the products, which avoids interfering contours.

The levers are available in black and traffic red and are made of fibreglass-reinforced plastic. For the threaded sleeves and indexing pins, the user can choose between steel and stainless steel versions.



ESD – OPTIMAL PROTECTION FOR SENSITIVE COMPONENTS

The ESD product line was specially developed by KIPP for use in ESD protection areas which often incorporate electrostatically sensitive components.

Sensitive electronic equipment, components and devices may be damaged or even destroyed by electrostatic discharge (ESD) in the immediate vicinity.

ESD products from KIPP are manufactured from a special, electrically conductive plastic and can therefore be used in accordance with EN 61340-5-1. These ESD products can also be used for devices, components and protection systems in areas with high risk of explosion.

The yellow ESD logo is printed on the side of the product to clearly identify it.

- + Electrically conductive
- + For use in accordance with DIN EN 61340-5-1
- + Products with proven KIPP design
- + Complies with ATEX-product directive 2014/34/EU
- + 100% KIPP quality



KIPP PRODUCTS IN USE

Rollikup wheelchair clutch: Indexing plungers permit independent operation



Teuto InServ gGmbH in Bielefeld is an inclusion company, which has specialised in industrial services in the areas of assembly, welding, electric device testing, and digital printing.

Originally designed for a wheelchair user, the Rollikup has developed into a successful product: The wheelchair hitch permits the simple, independent connection of trailers or suitcases to one's wheelchair.

The basis for the solution are operating parts and standard elements from KIPP.

Eduard Wiebe, manager of Teuto InServ, says proudly "The Rollikup helps wheelchair users to master their daily routines as independently as possible". "The indexing plunger is essential for the hitch and has proven itself superbly." KIPP wing grips and clamping levers are also made of especially long-life materials, such as fibreglass-reinforced plastic, stainless steel, and aluminium.

NEW WHEELS AND ROLLERS

HEINRICH KIPP WERK has incorporated a wide selection of high quality wheels and rollers into its product range. High quality standards ensure optimum running performance and high system reliability in every application. Wheels and castors with a thin, high-quality tread with optimised geometry are ideal for easy handling in intralogistics. They are designed for high speeds and low roll and swivel resistance. Even heavy loads can be effortlessly moved and steered manually. KIPP supplies a broad product assortment for the food industry as well. Components have to comply with particularly strict hygiene regulations and withstand frequent cleaning processes with sometimes aggressive chemicals. Accordingly, a series is

offered in which white wheel bodies with a light blue tread make contamination easily visible. Stainless steel wheel versions are available for use in corrosive environments. The antistatic wheels and rollers from the KIPP range are suitable for environments where electrical discharges must be avoided. Particularly noteworthy are models equipped with special tyres made of grey elastic solid rubber. They do not cause any marks on the floor and so not only reduce the risk of injury and damage from electric shocks but also simultaneously improve cleanliness in their respective areas of use.



BRIEF NOTES

NEWSLETTER SUBSCRIPTION

Don't miss anything! Our newsletter informs you about product innovations, applications, trade fairs, and other interesting KIPP news.

Subscribe now at
 ► www.kipp.at



TRADE FAIR "GLOBAL INDUSTRIE" LYON

In 2021, some national and international trade fairs could finally take place again. Among others, our team from KIPP FRANCE exhibited at the Global Industrie in Lyon and was happy to see many customers and business partners in person again.



LIVING RESPONSIBLY WITH NATURE

After detailed planning of the appropriate mixture of flowers, a protected flower meadow was grown on the south side of the company headquarters. Cornflowers, asters, and cone-flowers offer honeybees, bumblebees, butterflies, and many insects a perfect habitat. A varied play of colours, that also survives extreme weather conditions, heat, and much rain – for our flower meadow blooms from June to October.

The flower pollen is a rich reservoir of nectar for the offspring of many honeybees and bumblebees.

Rainwater from around 2/3 of our roof surfaces is collected in two large cisterns for sustainable watering of the biotopes and plants. Biotopes and ponds offer the perfect refuge for our employees. Consideration of the local flora and fauna pays off in quality of life for our employees.



MODERN SHAVING DEOILING SYSTEM

When cutting metals, oils are mostly used during the cutting process. The resulting shavings are collected in special containers and are contaminated heavily with oil. In order to reuse it and thus conserve resources, KIPP invested in a modern shaving deoiling system.

This highly efficient system separates the oil from the metal shavings and cleans the oil so effectively that suspended particles are up to 98% filtered out. After being cleaned in the system, the shavings have a remaining oil contamination of only $> 0.1\%$. Regular checks are conducted in the laboratory.

■ **Minimal disposal:** After filtering and cleaning, the oil is reused as cooling lubricant in the machines. As a result, we lower our consumption and actively contribute to environmental protection.

- **Highest recycling quality:** Various metals are cleaned, sorted, and recycled.
- **High savings potential:** Through reuse of the cleaned oil, we reduce waste to a minimum.



NEW INDEXING PLUNGER WITH INTEGRATED STATUS SENSOR

HEINRICH KIPP WERK has introduced to the market an Industry-4.0-capable indexing plunger, in which an integrated sensor detects the actuated status. The signal is processed in the mushroom grip and sent wirelessly through Bluetooth Low Energy to the machine control or a mobile terminal. As a result, the FEATUREgrip indexing plunger with status sensor ensures optimum process reliability.

The user can query the pin position from a central location. This enables the machine control to determine, for example, that the machining cycle will not start until a defined signal is present. KIPP also offers the matching Gateway K1494 for linking to the control system.

These indexing plungers belong to the FEATUREgrip product line, whose special features lie in the integrated electro-mechanical and sensory elements.

They provide feedback on certain parameters or states and thus pave the way for progressive digitalisation. The smart components and solutions can be networked and enable a stabler, more precise, and more reliable design of digitalised production processes.

FEATURE grip



Indexing plunger with status sensor with Gateway K1494 as an accessory

The various versions:



Stainless steel version without locking slot



Stainless steel version with locking slot



Steel version without locking slot



Steel version with locking slot

All versions are also available with locknut.



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