HEINRICH KIPP WERK

NEW

▨ **OPERATING PARTS**
WITH SENSORIK

FEATURE grip

INDEXING PLUNGERS
with status sensor

Indexing plungers are used where any change in position due to lateral forces should be prevented. A new locking position can be set only after the pin has been manually disengaged.

Features

- A sensor is integrated into the indexing plunger that records the status of the pin (extended or retracted).
- The signal is processed and sent to a receiver device or mobile end device per Bluetooth.
- Information such as status and battery level can be further processed or displayed.
- An LED that supplies an optical signal has also been integrated into the indexing plungers.
- The battery has a life expectancy of roughly 1 year.

Customer added value

With these indexing plungers, it can be ensured that all necessary indexing processes have been carried out or all have been released.

TOGGLE CLAMPS
with force sensor

Toggle clamps are used to hold and clamp workpieces.
They are used as a mounting and holding device.

Features

A sensor that determines the clamping force has been
integrated into the clamping spindle. The height of the
spindle is adjustable.
The signal is transmitted via a connected cable.
All registered forces are recorded and monitored in the process.
The clamping force used and when a preset force has been
achieved can be displayed for the operator.
Analogue output signal 4 mA – 20 mA.
Digital output signals are available on request.
Safety rating IP66.

Customer added value
Workpieces can be clamped with a defined force.

SPRING PLUNGERS
with status sensor

Spring plungers are used to position, lock or index workpieces. The thrust pins or balls ensure that positioning can be repeatedly and precisely carried out.

Features

An electric control signal is transmitted via the built-in limit switch.
The status of the thrust pin is determined (pressed in or extended).
The signal is transmitted via a connected cable.
An LED that supplies an optical signal has also been integrated into the spring plungers.
Safety rating IP67.

Customer added value
These spring plungers enable the expected indexing function to be checked.

Smart, intelligent and networkable

With the new FEATURE grip product range, KIPP has developed and offers smart components and solutions that deliver information and can be networked and so are suitable for Industry 4.0. The aim is for customers to use these intelligent components to help make digitised manufacturing processes more stable, precise and reliable by providing additional information.

The basis for this are products from the KIPP standard parts range which, by the integration of sensors or electronics, enable monitoring of their condition or function as well as feedback of certain system parameters. The acquisition of physical variables and their conversion into processable signals can also be realised depending on the product.

FEATURE grip products offer common, standardised industrial interfaces and thus simple and safe signal processing – independent of plant type or machine control system.
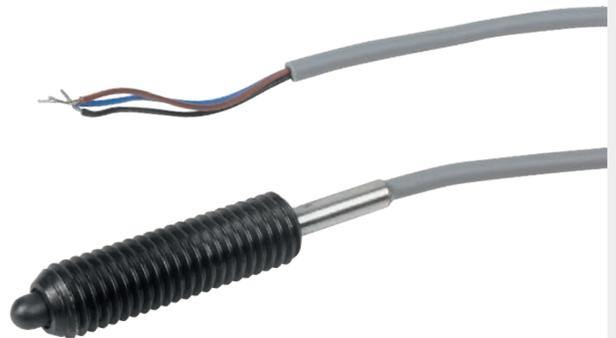
FEATURE grip App

Products

HEINRICH KIPP WERK successively expands the FEATURE grip product line:

Toggle clamps
with force sensor

Indexing plungers
with status sensor

Spring plungers
with status sensor

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