### Sulz am Neckar, September 2020

New product in clamping technology **Mandrel collet with cam lever: fixed with drill holes**

**The HEINRICH KIPP WERK has developed a new solution for clamping two components together easily and without tools: mandrel collets allow workpieces to be positioned and fixed using drill holes. This special solution is operated manually using a cam lever, and the user can adjust the clamping range or retaining force steplessly.**

Because of the compact design, the mandrel collets with cam lever can be used both in through-holes and blind holes. A great advantage of this is that the holes do not have to meet high requirements regarding dimension, surface or form. The mandrel collets are available in diameters 10, 12 and 14 mm, but also in other sizes on request.

They are simple to use: the clamping system is inserted in the hole while it is in the open state. At the start of the locking process, the mandrel collet spreads out and is fixed into the bottom part. The integrated disc spring assembly creates a pull-down effect that also clamps the two components together at the end of the locking process. Depending on the diameter of the mandrel collet, retaining forces can reach up to 3.3 kN. The cam lever is optimal for a quick fastening of the system. The clamping process is applied through surface pressure and this spares the workpiece surfaces. This solution is ideal for use in fixture and machine tool construction, for example for quickly fastening mounting brackets.

When selecting the materials, particular attention was given to longevity and ergonomics: the handle on the cam lever is made of cast aluminium and has a powder-coated surface which is available in black or red. Mandrel collet, tie rod and washer are made of steel, the thrust washer is made of glass-fibre reinforced plastic, and the hinge pin of stainless steel.

(Characters including spaces: 1,839)

**Caption at the bottom**

**KIPP-Spanndorne-mit-Exzenterhebel.jpg**: Die Spanndorne mit Exzenterhebel von KIPP ermöglichen es, zwei Bauteile einfach und werkzeuglos miteinander zu verspannen.

**Deeplinks:**

<https://www.kippwerk.de/de/de/Produkte/Bedienteile-Normelemente/Spannelemente/Spanndorne-Stahl-mit-Exzenterhebel.html>

<https://www.kippwerk.de/de/de/News/KIPP-News/Spanndorne-mit-Exzenterhebel-Über-Bohrungen-fixieren.html>

**Additional information and press photos**

See www.kipp.com, Region: Germany, Category: News / Press area

**Meta-Title:** Spanndorne mit Exzenterhebel

**Meta-Description:** Das HEINRICH KIPP WERK hat eine neue Lösung entwickelt, um zwei Bauteile einfach und werkzeuglos miteinander zu verspannen. Find out more here!

**Keywords:** Spanntechnik, Spanndorne, Exzenterhebel, Bohrungen, Niederzugeffekt, Werkstückspannung

**Download-Area:**

<https://www.kippwerk.de/de/en/Products/Clamping-technology.html>

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