

Flender introduces Fastex clamping elements for the shaft-hub connection

- **Frictionally engaged connection between shaft and hub**
- **Advantages: increased serviceability, high power density and compact solution for a wide range of industries**
- **Increased flexibility due to multiple combination options with many couplings**

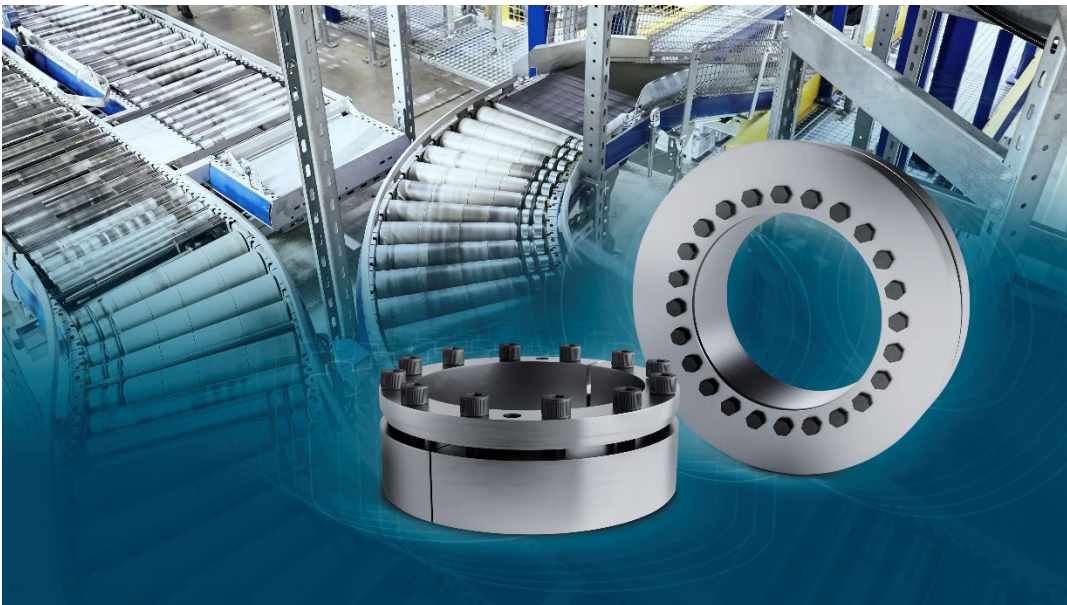
Flender is expanding the portfolio in the field of industrial couplings by introducing clamping elements for the connection of shaft and hub. Under the name Fastex, the new series ensures a frictional connection and thus an efficient transmission of torque and power. Shaft-hub connections are found in almost every industrial application. The Fastex clamping elements are heavy-duty, compact and backlash-free and are also characterized by their high serviceability. In addition to the classic connection via feather key, they offer another option which can provide advantages for the user depending on the specification of the application.

The fast and effective connection option for shafts and hubs further increases the combination variety and flexibility of the Flender coupling portfolio. Compared to feather key connections, clamping elements have a higher power density and realize a safe and reliable transmission of torques, axial forces and bending moments. Therefore, the clamping elements and the connecting components can be dimensioned in a more compact way, so that material savings and simpler handling due to the use of non-keyed shafts increase the economic efficiency.

The simple design of the clamping elements allows fast assembly and disassembly. One or more conical pressure rings are pushed onto a conical pressure sleeve using

clamping screws. The resulting radial expansion generates radial forces inwards and outwards at the contact surfaces, ensuring frictional locking between the parts involved in the transmission of torque and forces. Thanks to this principle, clamping elements are one of the simplest shaft-hub connections. A distinction is made between internal and external clamping sets, which can be self-centering or non-self-centering. Flender currently offers ten different types of internal clamping sets and two types of external clamping sets.

"With the introduction of the new Fastex clamping elements, we are reinforcing our reputation as the supplier with the most comprehensive, integrated portfolio of couplings and connecting elements for industrial drives. Our customers require the highest reliability and quality for their equipment and applications. The Fastex clamping elements offer them the usual Flender premium quality for shaft-hub connections," says André Artmann, Head of Flender Coupling Sales.



The new Fastex clamping elements for a frictionally engaged, effective and compact shaft-hub connection.

This press release and a press picture are available at

www.flender.com/company/press.

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Flender headquartered in Bocholt, Germany, is a leading global supplier for mechanical and electrical drive systems and has the reputation for highest performance, innovation, quality, and reliability of drive components for more than 120 years. Flender offers a broad variety of gear units, couplings and generators and associated services, with a focus on key industries such as wind power, cement, mining, oil & gas, power generation, water and wastewater, marine, conveyor and crane technology. Flender products and services combine the latest technology with extremely high quality and have been reliably providing the optimal transmission of power for decades. Flender has around 8,700 employees globally. Further information is available on the Internet at www.flender.com.