

FAST-LOCK COUPLING F30

The fast-lock coupling F30 is a free of leakage coupling system for hydraulic pressures up to 4000 bar. It includes a truly quick to connect design with a safe automatic locking system. It has been specially designed for industrial use. The rugged and simple design avoids the risk of an only partially connection or accidental disconnection.

Based on many years of experience with high-pressure hydraulics and innovative concepts it succeeded to design a coupling system, which eliminates the disadvantages of the already available systems and provides downward compatibility at the same time.



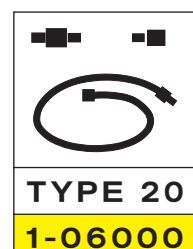
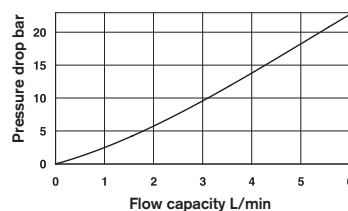
ADVANTAGES

- Small envelope size
- Made of high tensile steel, partially hardened, chemi-blackened
- Innovative valve design with free from leakage sealing made of high-strength and hydrolysis resistant materials for long lifetime
- Fast-locking for one-hand operation (no screw-retaining lockings!)
- Connecting and disconnecting only in depressurized state possible
- Fast-lock coupling socket withstands full pressure while disconnected
- High burst safety (>7000 bar !!)
- Integrated pressure discharge in case of damage
- Delivery incl. plastic dust caps
- Interchangeable with CEJN Series 135

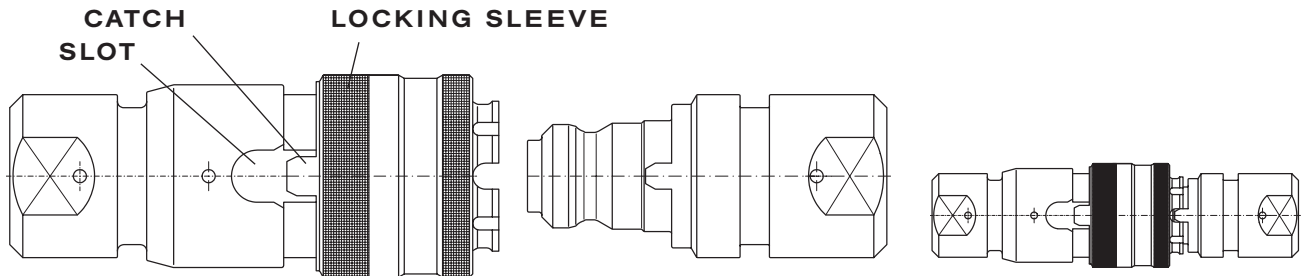
TECHNICAL DATA

Max. operating pressure: 4000 bar
 Min. burst pressure: 7000 bar
 Lifetime at max. operating pressure of:
 – 4000 bar: >10 000 cycles (0-pmax)
 – 3000 bar: >30 000 cycles (0-pmax)
 Material: steel, partially hardened, chemi-blackened
 Nominal flow diameter: 2,5 mm
 Flow capacity: 3 Liter/min at $\Delta p = 9,5$ bar
 Temperature range: -20°C – +80°C
 Compatibility: CEJN series 135

standard types see data sheet 1-06000



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FUNCTION

Coupling and nipple can be connected in non-pressurised state by pulling back the locking sleeve and pushing the nipple into the coupling. When reaching coupled position, the locking sleeve will lock the connection automatically. To prevent accidental disconnection, the locking sleeve can be turned until the catches are not longer matching the slots in the coupling body. For disconnecting, the locking sleeve is to be turned until the catches match the slots in the coupling body again. Then the locking sleeve is to be pulled back to unlock the connection. Because of the downward compatibility the nipple is a non-swivel design which allows six optional positions when connecting.



EXAMPLES FOR APPLICATION

- High pressure hydraulics
- Mounting of interference fit assemblies and roller bearings
- Hydraulic couplings and load-limiting devices
- Dismounting of hydraulic connecting bolts (ExpaTen)
- Connection of hydraulic bolt tensioners and hydraulic nuts
- Hydraulic tools and tensioners
- Burst and calibration tests
- Hydroforming
- Jet cutting
- High-pressure cleaning

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