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JAKOB ANTRIEBSTECHNIK — CLAMPING TECHNOLOGY

Power clamping nuts and screws — tonnes of force from a hand wrench

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For over 50 years, family-owned JAKOB Antriebstechnik (Kleinwallstadt, Germany) has been the name behind the metal bellows coupling — a product they invented. Today, JAKOB precision components connect and protect machines in more than 40 countries, from semiconductor equipment to automotive press lines.

MECHANICAL POWER CLAMPING

Tonnes of clamping force — from a hand wrench

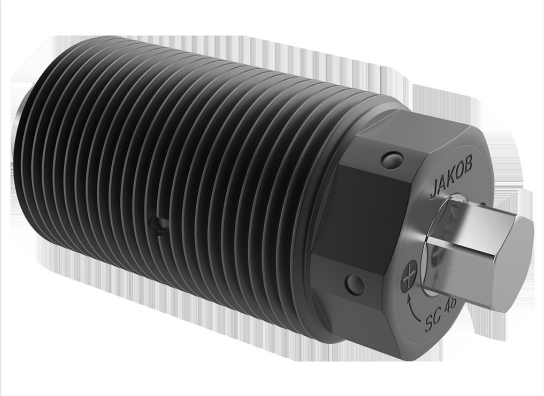
JAKOB clamping nuts and screws have a mechanical force amplifier inside: an operator tightens with an ordinary spanner and the internal mechanism multiplies it into tonnes of safe, repeatable clamping force. No hydraulics, no torque wrench, no heavy tooling.

Where they work

Press dies and die change (stamping plants), mould and tool clamping, test benches, face plates and jaw boxes.

Advantages

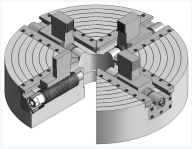
- Clamping forces for workpieces up to 500 tonnes
- MCA-DB with integrated torque limiter — no torque wrench needed
- Stainless spring-loaded versions stable to 400 °C
- Faster, safer die changes with fewer people



THE RANGE AT A GLANCE

One principle, many formats — always without hydraulics

- MCA / MCG power clamping nuts — blind-hole or threaded-pin versions
- MCA-DB with integrated torque limiter — no torque wrench needed
- MDA through-hole nuts — unlimited clamping stroke, up to 18 t
- MSP / MSPD power clamping screws — face plates and jaw boxes, up to 500 t
- MCF-VA stainless spring-loaded nuts — stable clamping force up to 400 °C
- ZSF / ZDF spring clamping systems and HMD force monitoring



Hydromechanical spring clamping in a face-plate application

Also from JAKOB: zero-backlash servo couplings and safety couplings — ask for our drive technology flyer.

Interested? Request a quotation or further product information

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Products of JAKOB Antriebstechnik GmbH, Daimlerring 42, 63839 Kleinwallstadt, Germany.