



MACH 2018 Preview Information

Metalforming Machinery Makers' Association Metalworking Village

Roemheld Hall 20 Stand 444

Safe clamping of heavy dies

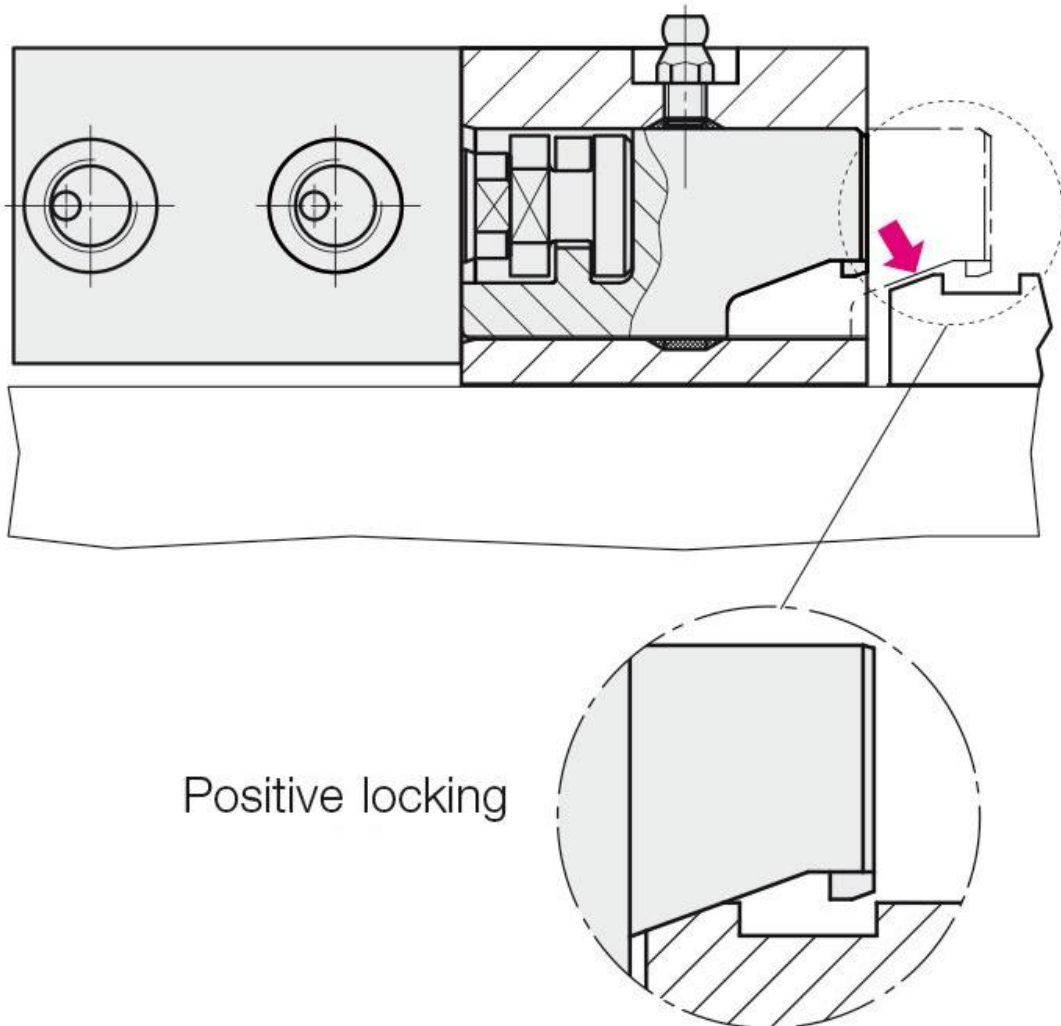
Roemheld will introduce at MACH 2018 on stand H20-444 in the MMMA village a new range of wedge clamping elements with patented safety bolts designed to attach a die set to the table and ram of a power press securely, regardless of whether the tool edges are straight or angled. A positive locking action allows even a heavy upper die to remain in place during maintenance or if the clamping pressure drops.



The clamps move automatically, making them easy to operate. A position control feature verifies closure and release and reports if no die has been placed or if the edge is incorrectly set.



The system consists of a hydraulic cylinder block and a bolt guided within a housing, the bolt having a contact surface angled at 20 degrees. A projection on the bolt and a corresponding recess along the die edge ensure positive locking if the hydraulic pressure holding the upper die should fail.



Adapter plates for simple attachment to existing dies make retrofitting trouble-free. The wedge clamping elements, with single or dual action, exert a force from 25 to 1,250 kN. They are available to suit straight and angled die edges and are designed in a variety of styles, allowing customers to configure clamping arrangements using a range of options. Modular construction allows cost-effective production of the elements, high availability and short delivery times.

Permanent lubrication gives the clamps virtually maintenance-free operation. Due to their robust design, they are able to withstand high temperatures and soiling and offer long service life. On request, multi-layer coatings can be applied to the bolts and housings to reduce wear in challenging applications.

A video showing the new wedge clamping system in operation may be viewed at: <https://www.youtube.com/watch?v=QRotDljhogE&feature=youtu.be>

Further information on Roemheld's range of workholding and materials handling equipment is available at: www.roemheld.co.uk or telephone 01462 459052.

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Two images attached:

1. The new Roemheld wedge clamp, with its patented safety bolt designed to mate with a matching die adapter plate.
2. In the event of a sudden drop in pressure, the upper die is held securely thanks to a positive locking action between clamping bolt and adapter plate.

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