JAKOB Antriebstechnik

Gripper Rail Coupling GKZ

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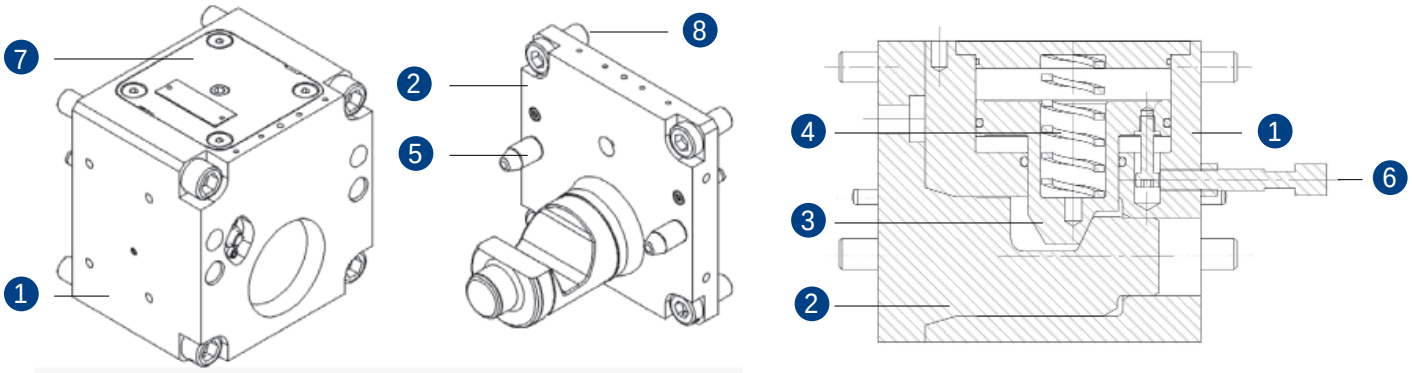
Linear Coupling

JAKOB Antriebstechnik offers Gripper Rail Couplings that can easily be back fitted on every current Gripper Rail profile. The automatic couplings are applied pneumatically and even close a 5mm-gap between the active and the passive components during the de-clutching. The kinetic clamping ensures high stiffness and high precision of the connection. The transmission of the clamping force can occur either manually or pneumatically.

The Construction – a pneumatic performance



1. The active component – installed at the base rail
2. The passive component – installed at the changers
3. Round wedge – locking element
4. Screwed pressure spring
5. Alignment pin
6. Initiator
7. Clutch cover
8. Screws

Connection-solutions for Gripper Rail Systems

Field of application

The Gripper Rail Coupling GKZ is designed for a low-effort connection of gripper rail systems from all current transfer moulding presses.

Function

The Gripper Rail Coupling consists of two segments:

Coupling base rail: Active component 1
Coupling changers: Passive component 2

The tensioning/opening and closing of the coupling occurs automatically:

The opening of the coupling: the round wedge 3 is lifted by compressed air.
The closing of the coupling: the round wedge 3 is moved downward over the spring 4 and the compressed air.

The condition open/closed is controlled by an initiator 6 in the active component of the coupling segment.

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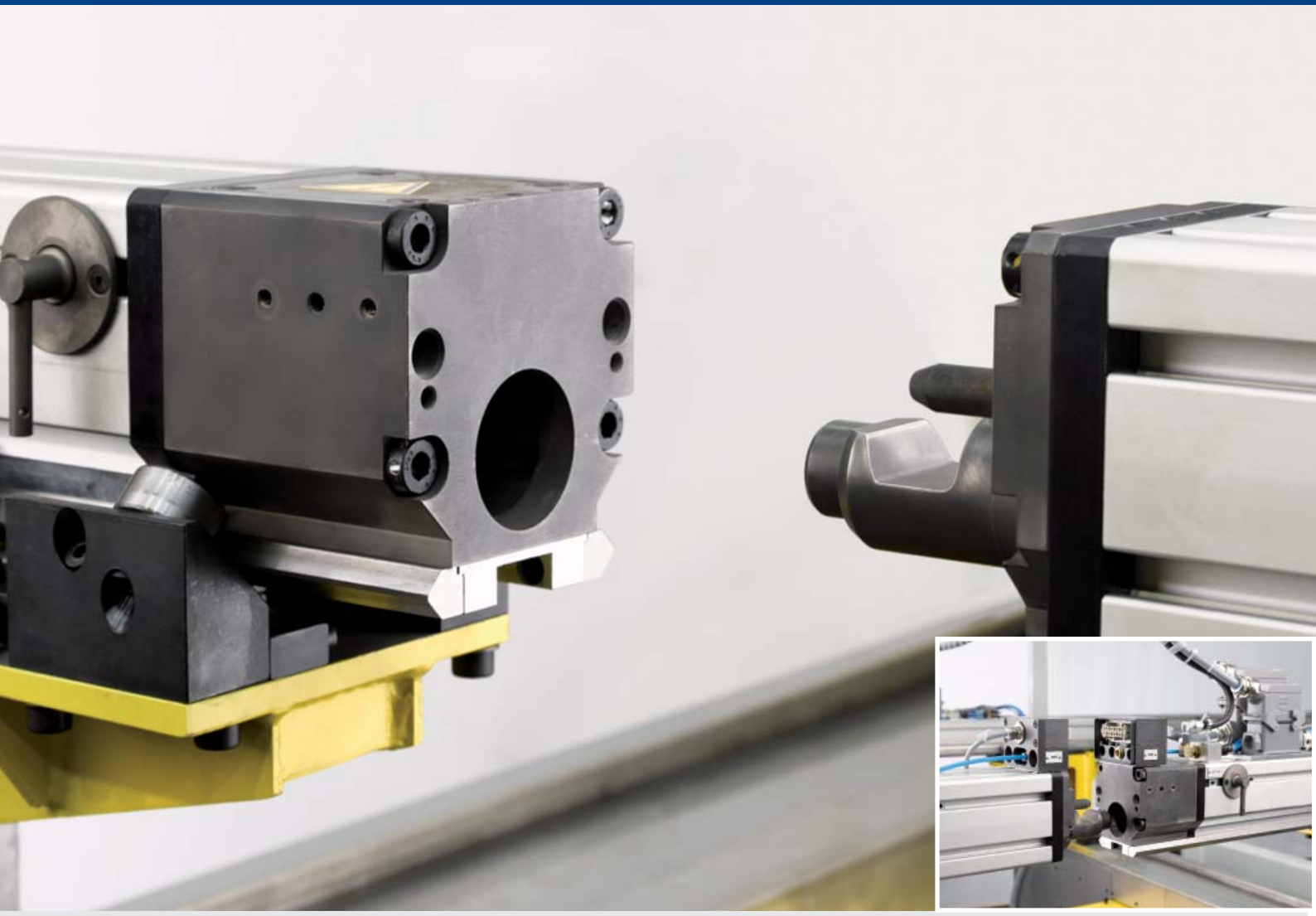

Applications

We offer manual couplings as well as automatic ones for the axial separation of the rails. All couplings are controlled electrically and can be installed to available Gripper Rails from different producers, directly or with the help of simple adapter plates.

The Gripper Rail Coupling is excellent for back-fitting in the context of internal overhauling. The pneumatic performance is applicable for the additional automation of existent equipment.

Construction features

- horizontal availability
- self-locking, kinetic wedge-clamping
- manual or pneumatic clamping
- pre-centering with alignment pins
- electrical clamping-condition control
- designed in steel and aluminum

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