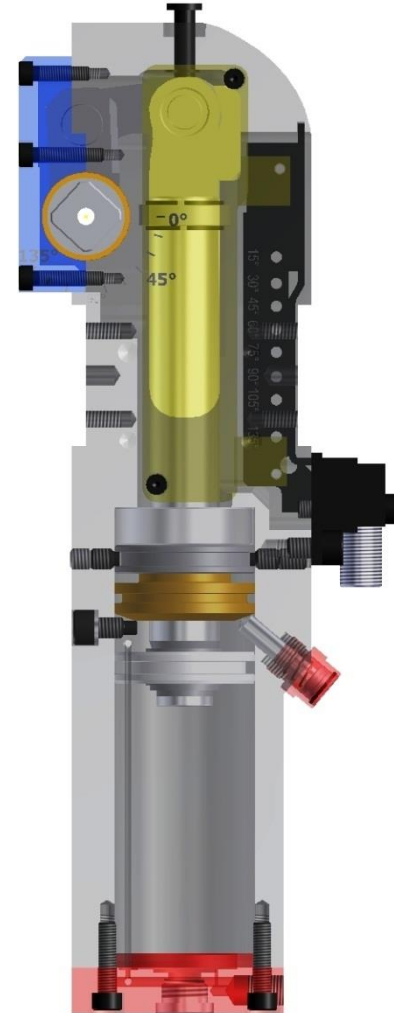


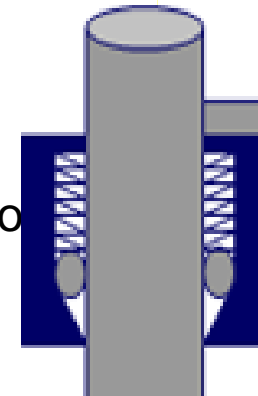
Alpha Safety Clamp for Robot Grippers



- The power curve mechanics of the Alpha clamp ensures constant power reserve in the gripping position
- This adjusting function compensates
 - Material thickness variations (cast)
 - Model-related sheet differences
 - Wear and tear of contour blocks and supports
- The adhesives introduced as connecting layer are also held under tension

- Disadvantage:
 - In contrast to the toggle clamp, the Alpha clamp is not mechanically locked in the end position!

- ALPHA clamp B version with mechanical blocking integrated in housing
- Based on the wedge system, the spring-actuated clamping elements act directly on the specially hardened piston rod
- When actuating the cylinder the wedge brake is simultaneously released
- In the event of a sudden compressed air supply failure, the clamp arm movement in the “open” direction is locked.
- In the event of a pressure drop, the closed position is also mechanically secured



Schematic diagram:
Wedge principle

- Available in the classic clamp sizes 40/40.5 for robot grippers,
- And also as fixture clamp for the cylinder diameters 50 and 63
- **Technical Data**
 - **APH 40 B:**
 - Holding torque max: 380 Nm
 - Clamping moment at 5 bar: 120 Nm
 - Weight: 2,8kg
 - **APH 63 B:**
 - Holding torque max.: 380 Nm
 - Clamping moment at 5 bar: 120 Nm
 - Weight: 2,8kg
- **Further information / data sheets / operating instructions / models to be found on the Internet**



APH 40 B



APH 63 B

Thank you for your kind attention.

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