

For special cases

There's nothing that SITEMA can't do! From extremely small to large clamping heads for rods up to 300 millimeters in diameter. Whether in the open air, at below-zero temperatures, underwater, or in aggressive environments: Wherever rod clamping is in demand, we will find the right solution. What can we do for you?

A solution for any cylinder

We can supply the right clamping heads for any hydraulic and pneumatic cylinders commonly used on world markets. Talk to us!

Clamping and fixing without hydraulics and pneumatics

- Mechanical Safety Catcher KRM
- Electropneumatic Module EPM
- Electric Locking Unit KFE



Short delivery lead times

Quick availability of standard products is backed by our high stock levels. Some 2000 SITEMA Clamping Heads featuring a wide variety of different holding forces and for many different rod diameters are permanently at the ready to assure fast shipping. With its status as a "Known Consignor", SITEMA meets all the conditions for fast air freight around the world.



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We are the specialists

SITEMA is the only company in the world specializing in the development and production of clamping devices and linear brakes. The consequence of that specialization: SITEMA is an internationally respected partner to machinery manufacturers. We specialize in securing, clamping and fixing loads in axial motion. It is a field in which we have been a leading brand name for many years, particularly with our SITEMA Clamping Heads. Alongside our broad product portfolio, we offer unique consulting and solution-delivering expertise to meet any challenge.

Our values reinforce trust

"Fulfilling the quality expectations of our customers is the top priority in all corporate processes." That core tenet of our philosophy demonstrates: Quality is a fundamental principle to which we are committed.





Series K, KR, KRP ...

- For medium-sized, large and very large loads
- DGUV-approved
- One load direction



Series KSP

- For small to medium-sized loads
- DGUV-approved
- One load direction



Series KRG, KRGP

- For static or slow-moving masses
- Compact design
- One load direction



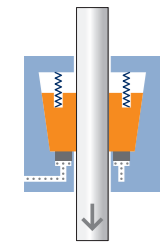
Series KFH, KFP, KB ...

- Extensive standard range with numerous series for special applications, including outdoor, cylinders, machine tools
- DGUV and Lloyd's approved series available
- Both load directions



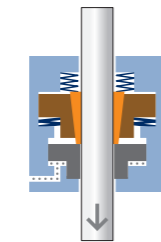
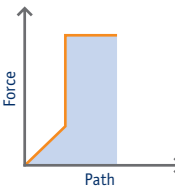
Series FSK, FSKP

- Clamping head with additional integrated short stroke function
- Ideal for pressing, stamping, joining, riveting, clinching, forming, embossing, closing molds, etc.



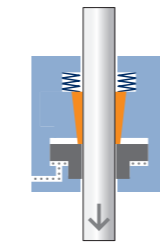
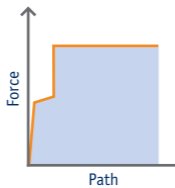
Properties

- Self-reinforcing clamping
- For loads from 10 kN to 1000 kN
- Safety factor built-in
- Very high B10d value
- Hydraulic or pneumatic control
- Overload-protected
- Protection against unintentional detachment
- Flexible actuation possible



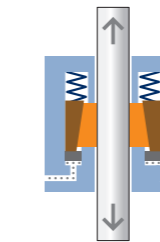
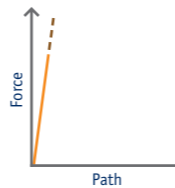
Properties

- Self-reinforcing clamping
- For loads from 2 kN to 30 kN
- Safety factor built-in
- Very high B10d value
- Pneumatic control
- Overload-protected
- Flexible actuation possible



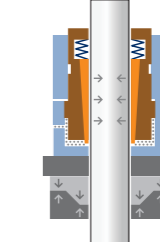
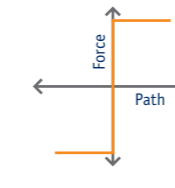
Properties

- Self-reinforcing clamping
- Very short tapering distance
- For static loads from 2 kN to 500 kN
- Hydraulic or pneumatic control
- Flexible actuation possible



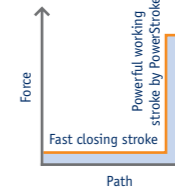
Properties

- Clamping by spring force
- Holding forces from 1 kN to 1500 kN
- Hydraulic or pneumatic control
- Clamping in both load directions with no axial play
- Flexible actuation possible
- Overload-protected
- Detachment in all operating states possible without shifting axis



Properties

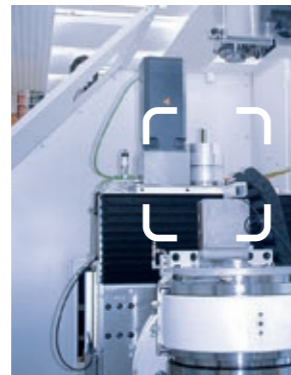
- Hydraulic PowerStroke FSK
 - Working forces up to 200 metric tons with one unit
 - Rod diameters up to 200 mm
- Pneumatic PowerStroke FSKP
 - Working forces of 3 metric tons with one unit (pneumatic only)



Applications

- Hydraulic presses
- Mechanical presses
- Injection-molding machinery (protection for closing stroke)
- Mould carriers
- Broaching machines
- Hydraulic freight elevators
- Chairlift drives

Hydraulic press
Safety Catcher as DGUV-approved restraint device



Applications

- Loading gantries
- Lifting equipment
- Vertical servo drives
- Linear axes
- Palletizers
- Component lifts
- Packaging machinery

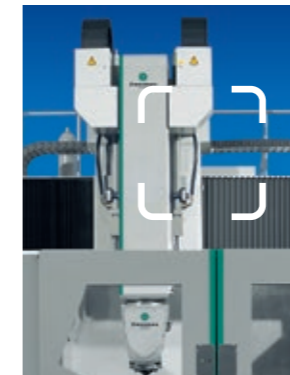
Grinding machine
Securing the Z-axis in case of emergency stop and for maintenance



Applications

- Scissor-type lifting panels
- Mobile elevated work platforms
- Theater lifting podiums
- Vehicle supports
- Tool trays

Elevating podium in the theater
Stepless holding of the podium position



Applications

- Machine tools
- Assembly lines
- Rolling mill stands
- Test rigs
- Steel hydraulics
- Steelworks
- Shipbuilding and offshore

Machine tool
Securing the Z-axis with linear drive



Applications

- Internal high-pressure presses
- Injection-molding machinery (for holding closed)
- Mold presses
- Vacuum presses
- Welding presses
- Test rigs
- Leak testing

Hydraulic internal high-pressure press
Generating 400 metric tons closing force