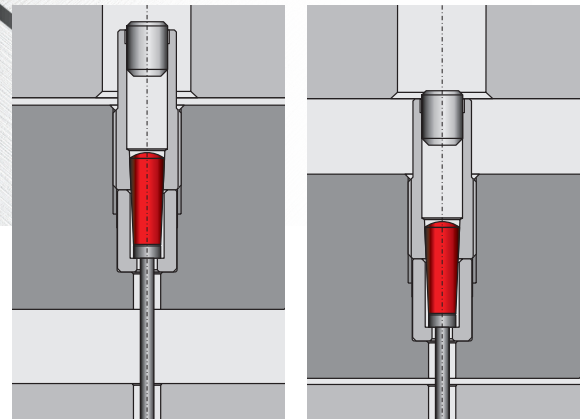




Functional principle of the overload safety device

Conical safety pin positioned in a matching guide. Precisely defined release force. Self locking principle. When the valve pin movement is blocked and the defined maximum permissible pressure load is reached the safety pin is pushed out of the guide. The valve pin is detached and uncoupled from the movement of the synchronous plate.

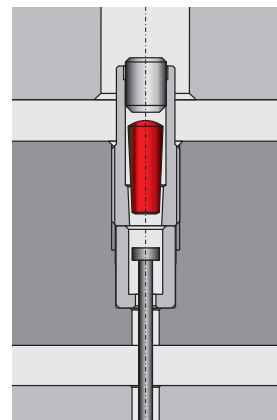
Normal operation



Synchronous plate position: valve pin open

Synchronous plate position: valve pin closed

Overload safety device triggered



Safety pin has been pushed out of the guide. Valve pin is uncoupled from the movement of the synchronous plate. No damage to the valve pin

Enhanced operational safety

Overload safety device for valve gate systems with synchronous plate actuation

- Prevents damage to the valve pin caused for example when a gate is blocked by impurities in the melt
- No cost-intensive maintenance work
- Available as an option for all new moulds which feature a valve gate system with synchronous plate actuation