

## Case Study

## New development of a 10mm locking unit

For a customer in the demanding environment of the automotive supply industry, we developed a high-quality locking unit in the shortest possible time. This locking unit must be able to be operated both pneumatically and manually.



### Problem definition

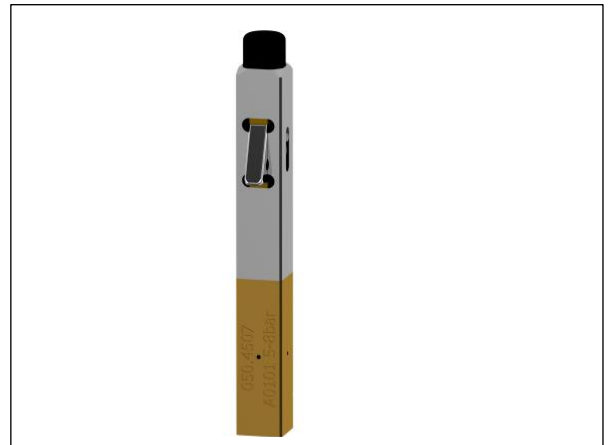
- Customer previously used an alternative product, but it could not meet the required product characteristics.
- Original interlock was not process-safe.
- No suitable product was available on the market.



### Solution

Development of a 10x10mm locking unit with highest precision, guidance and actuation.

- With a brass-stainless steel material combination, highest precision at optimal cost was achieved
- Special sliding guides and tight manufacturing tolerances lead to an optimal and constant actuation force of the latch
- The new solution is permanently process-safe and meets all the customer's requirements



### Highlights

- Optimal material combination
- Best price/performance ratio
- Perfectly matched sliding partners for low, constant actuating force
- Precisely matched to customer requirements