



HERMANN BILZ

STEINER

CALIDUS

Custom shrink fit chuck

4 WEEK
DELIVERY



Bohren • Senken • Aufbohren • Reiben
bore • countersink • counterbore • ream

H. BILZ

BEST DRILLS – BEST SKILLS.

Calidus custom shrink fit chucks **Precision and versatility for the** **most demanding applications**

As a specialist in precision tools, we also offer customized special shrink fit holders.

Calidus special shrink fit holders provide a technically advanced solution for the most demanding requirements in terms of stability, runout accuracy, and process reliability – both in series production and in demanding special applications. With their slim, contour-optimized design Calidus holders are ideal for challenging machining tasks, especially where space is limited or workpieces feature complex geometries.

Wide Range of Machine Interfaces for Optimal Compatibility:

- HSK25 to HSK100
- SK30 to SK60
- BT30 to BT60
- ABS25 to ABS125
- Modul interfaces with integrated runout adjustment
- Cylindrical shanks

This wide variety allows for the use of Calidus shrink fit holders across virtually all standard machine configurations and production environments.

Technical Highlights:

- Slim, contour-adapted design: For optimal accessibility and minimal interference contours
- Toolshank tolerance h6:
Engineered for maximum clamping precision
- Extremely high clamping force: Achieved through optimal press fit in the bore, ideal for high-dynamic machining processes
- Optional coding chip: For digital tool management and process monitoring
- Optional balancing thread holes:
Allows fine balancing via set screws
- Available with axial length adjustment: Ensures repeatable tool positioning and high accuracy

The Bilz advantages

Configure your own dimensions.



4 WEEK
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Available to order from 2 pieces

Clamping diameters 3 to 40 mm

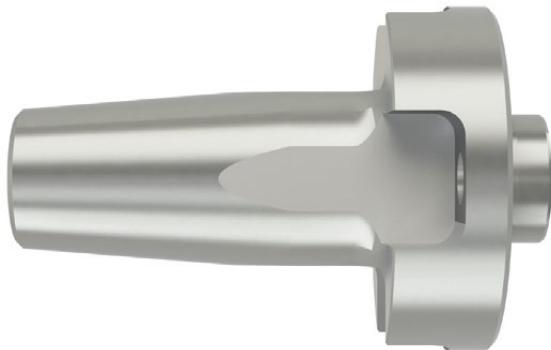
Run-out accuracy up to 0,003 mm

Wide variety of machine interfaces

Slim and contour-adapted design

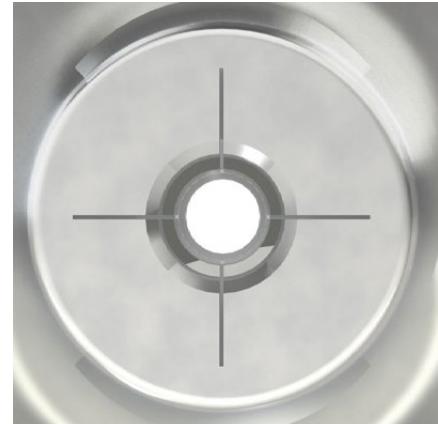
Balancing quality G2,5 at 25.000 rpm or rev. < 1 gmm

All variants also available as shrink fit extensions

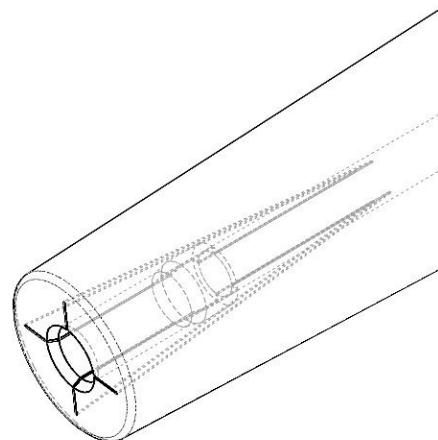


Special shrink fit chuck slotted

Safe shrinking and unshrinking for small clamping diameters (3 to 5 mm)



Increases the lifespan of the shrink fit chuck and prevents complete failure



Special shrink fit chuck with excess length

Extension length up to 600 mm possible



Independent of the clamping diameter

MQL special shrink fit chuck

For 1-channel system



For 2-channel system



Special shrink fit chuck with resealable cooling channels

For optional external tool cooling

Adaptable cooling of the cutting edge

