



# ThermoGrip® Shrink fit chuck and collet

Clearance-free tool clamping  
for maximum performance



The clamping system plays a decisive role in the machining process as the interface between tool and machine. With conventional chucks, the fit clearance reduces concentricity, stability and clamping force. The result: machine and tool are not as effective as they could be.

The ThermoGrip® shrink fit technology overcomes the limitations of conventional chucks. Tool and chuck are connected as if they were made of one piece (monobloc construction). This enables the tool to cut at maximum speed, gives longer tool life and improves precision, even with higher cutting forces.

## YOUR BENEFITS

- Shorter machining times
- Perfect finish quality
- Longer tool life

## AT A GLANCE

- **Shrink fit chuck**  
with HSK- or SK-adaptor  
(shank diameter 8 - 32 mm)
- **Shrink fit collet**  
for use in aggregates  
(types ER16 - ER32)
- RPM up to 36.000 min<sup>-1</sup>
- Maintenance and wear-free clamping system
- Available from stock





+50 %

HIGHER FEED RATE  
POSSIBLE COMPARED  
TO COLLET CHUCKS

2 to 3-fold

LONGER TOOL LIFE  
COMPARED TO COLLET  
CHUCKS

6-fold

HIGHER CONCENTRICITY  
COMPARED TO COLLET  
CHUCKS

## Your benefits due to ...



### PRODUCTIVITY

#### Higher performance and longer tool life

- Higher feed speed due to increased rigidity
- Longer tool life due to maximum concentricity
- Maximum performance even with long tools and large profile depths due to the high transmissible torque



### QUALITY

#### Perfect machining quality even under high load

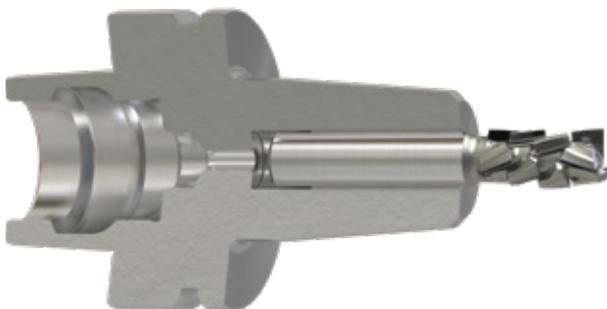
- Optimum cutting quality and repeatable accuracy due to high concentricity
- Precise cuts even with high cutting forces due to maximum holding forces
- Good chip flow to the extraction system due to slim design



### SUSTAINABILITY

#### Long-lasting and therefore saving resources

- Reduce spindle and bearing wear as well as reducing the risk of tool breakage due to reducing vibration
- Maintenance and wear-free clamping system



The ThermoGrip® shrink chuck is connected to the tool as if made of one piece – for low deflection and high infeed.

ThermoGrip®  
Shrink clamping:  
strong, fast  
and precise!

