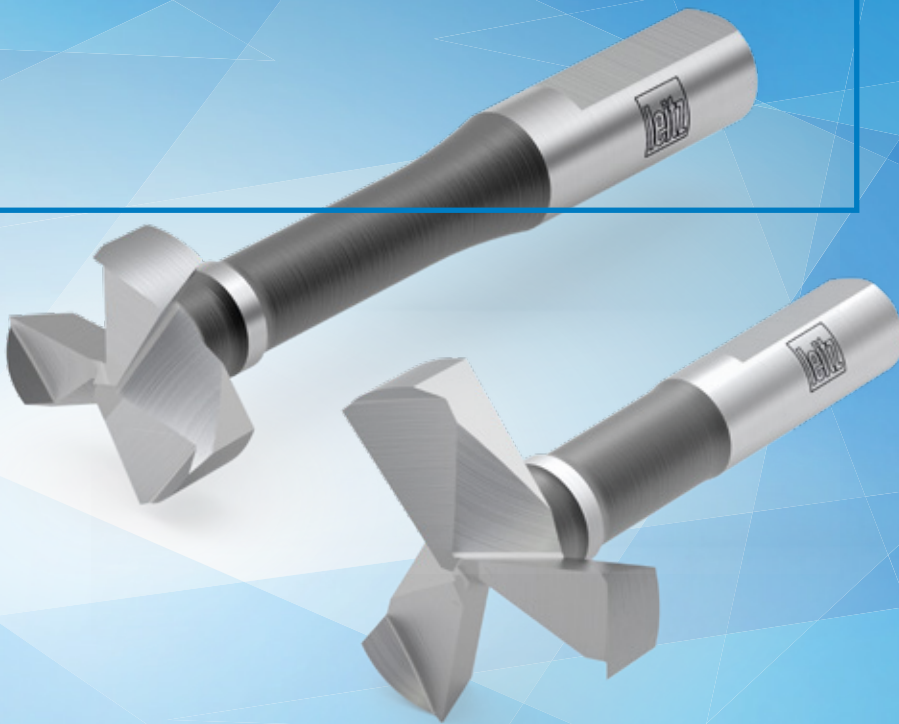




# Solid tungsten carbide hinge boring bit Z 3/V 3

For higher quality and tool life in standard  
and critical working materials



A typical “bottleneck” in furniture production is the drilling of panel materials. Above all, the drilling of the hinge holes at the edge of the panel can be a problem for many manufacturers when the quality of the drilled hole deteriorates rapidly after a short time due to tool wear.

The solution is the Leitz solid tungsten carbide hinge boring bit with three cutting edges. This tool not only drills faster but also better. The resulting consequences are fewer rejects and the reduction of manual rework on the workpiece.

## YOUR BENEFITS

- High bore quality
- Long tool life
- Less rework
- Process security

## AT A GLANCE

- Design in right and left hand rotation
- Optimized spurs for better bore quality
- Can be resharpened many times
- Diameter 18–35 mm
- Suitable for all conventional boring systems and boring gears
- Suitable for all panel materials and conventional decors
- Available from stock
- Solid tungsten carbide cutting edges



Picture above: Holes for furniture hinges with conventional hinge boring bits.

Picture below: Tear-free hole edges with the new Leitz hinge boring bit Z 3/V 3.

-100 %

REWORKING OF  
THE HOLE EDGES

2 TO 3 TIMES

LONGER TOOL LIFE

+50 %

HIGHER  
BORING SPEED

## Your benefits due to ...



### QUALITY

#### Fewer tear-outs even with demanding decors and finishes

- Tear-free hole edges due to newly developed spur geometry
- Better edge quality for break-out bores by increasing the number of teeth from Z 2 to Z 3
- Reduced tendency to recut during return stroke, even on machines with low spindle rigidity



### PRODUCTIVITY

#### Significantly increased boring speed and improved tool life

- Increased productivity through fewer tool changes and higher feed
- Higher cutting speeds due to improved tungsten carbide grade (optimized for boring)
- Faster boring possible by increasing the number of cutting edges from Z 2 to Z 3



### EFFICIENCY

#### Minimized reworking and significantly fewer reject

- No reworking thanks to improved quality of the bore
- Reduced downtime
- Wider range of application in different materials and decor types without changing the boring bit

Significantly fewer quality problems and faster machining due to more cutting edges.

