

## High performance solid tungsten carbide hinge boring bit

### For better quality holes and reduced down time

**Reliability on boring machine saves expensive waste plus the time needed to remake lost components. Conventional hinge boring bits have a short run time and, for larger hole depths, often need an intermediate clearing stroke. The increased machine costs from down time and longer cycle time reduce productivity.**

Leitz, through a revolutionary new production technology, can produce hinge boring bit head blanks in solid tungsten carbide. This eliminates the design compromises of the past arising from production constraints and has allowed a complete re-think of the design of the hinge boring bit. The result - a hinge boring bit program targeted at quality and productivity.

By eliminating the need for brazed tungsten tips, high performance tungsten carbide can be used to increase the tool run time and to reduce the machine down time. The basic form is reminiscent of a propeller; its function is similar to that as it clears the chips considerably better than a classical hinge boring bit. Additionally, the cutting geometry reduces the feed forces benefiting productivity particularly with pneumatic drilling aggregates. The cutting edges have better accessibility simplifying resharpenering. The higher grade tungsten carbide improves the rigidity and stability of the hinge boring bit, again improving both the hole quality and hole edge quality.



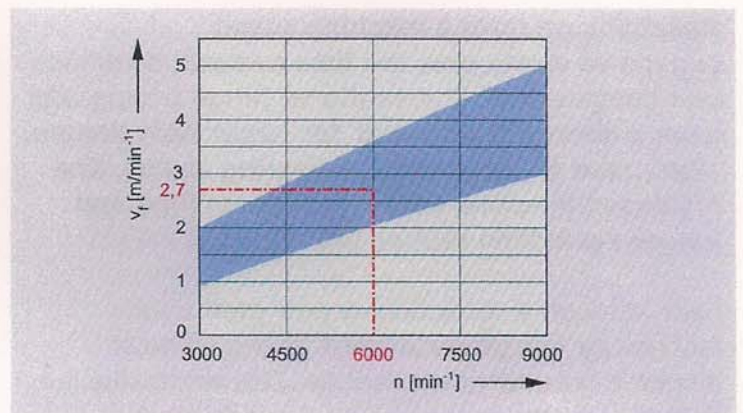
**leitz**

**Without compromises**

## For special requirements

The cutting geometry and spurs are designed to optimise the quality and productivity in all the usual materials.

Feed speeds of up to 3.5 m/min at 6.000 RPM and 5 m/min at 9.000 RPM are possible; holes can be drilled to within 3 mm of the panel thickness. The hinge boring bits can also be easily modified to suit specific profile requirements.



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