

# GUHRING

PILOT DRILLING HAS  
NEVER BEEN SO EASY!



## Pilot drill RT 100 P

GUHRING - YOUR WORLD-WIDE PARTNER



# THE SPECIALIST FOR DIFFICULT PILOT DRILLING SITUATIONS

## **THE ADVANTAGES:**

- ⇒ **ELIMINATING THE SPOT-FACING OPERATION:**  
FEWER TOOLS +  
FEWER TOOL CHANGE+  
REDUCED MACHINE RUNNING TIME +  
CONSIDERABLE COST REDUCTION!
- ⇒ **SIMPLE PILOT DRILLING:**  
ON OBLIQUE SURFACES UP TO 45°  
AND ON CONVEX SURFACES,  
INCLUDING DRILLING OFF-CENTRE!
- ⇒ **180° POINT ANGLE:**  
FOR FLAT BOTTOMED HOLES!
- ⇒ **UNIVERSALLY APPLICABLE  
IN ALL MATERIALS:**  
A TOOL FOR MANY MACHINING TASKS!

## **Save a machining operation and a tool in difficult pilot drilling situations such as oblique or convex surfaces!**

The new pilot drill RT 100 P makes spot-facing with a milling cutter unnecessary. Thanks to its special point geometry with 180° point angle in the direction of the cutting corners and 170° centre point the radial forces and tool deflection are reduced considerably.

A reinforced core and the double margin design give the RT 100 P the necessary stability in order to achieve the required pilot hole quality.

The RT 100 P is available as a special tool. The tool diameter and length are designed to suit to your specific application.



### **Pilot drilling has never been so easy:**

- Step 1:** Pilot drilling on oblique and convex surfaces with reduced feed rate until the tool is engaged with the complete diameter (drilling depth 0.2 x D).
- Step 2:** Withdraw from the hole with double the feed rate in order for the RT 100 P to cut itself free.
- Step 3:** Finish drilling pilot hole at full feed rate without wood-pecking (drilling depth 1 to 2 xD).
- Step 4:** Drilling to full hole depth, i.e. with spiral-fluted deep hole drill RT 100 T or a single-flute gun drill.

DRILLING

TAPPING/THREAD  
MILLING/FLUTELESS  
TAPPING

MILLING

REAMING

PCD



SPECIAL  
SOLUTIONS

COUNTERSINKING

MODULAR SYSTEMS

SERVICES

# GUHRING

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