

# GUHRING

// Ratio® //

## INNOVATIVE DESIGN FOR MORE EFFICIENT COOLING

- especially suitable for the machining of stainless steels, titanium- and special alloys
- high wear-resistance
- optimal cooling



## RT 100 Trigon®

GUHRING - YOUR WORLD-WIDE PARTNER

# RT 100 TRIGON

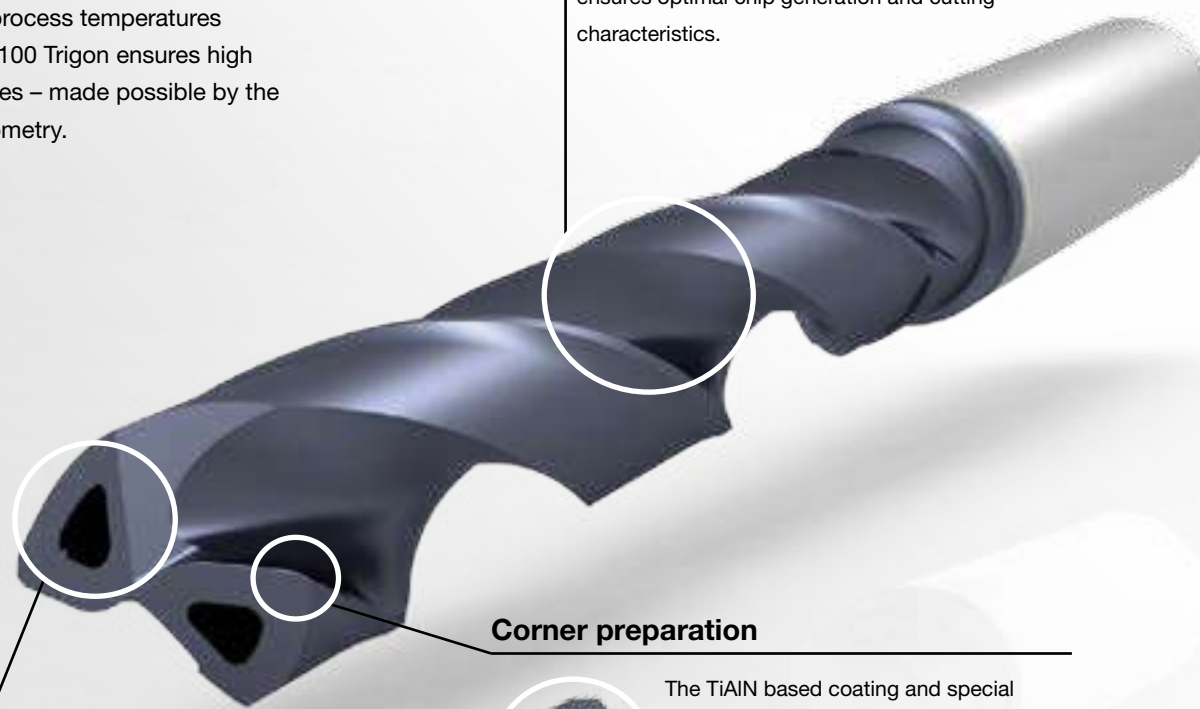
In stainless steels the high chrome and nickel content ensures a high corrosion resistance and high tensile strength. Consequently, however, the machinability of the material decreases, process temperatures increase. Nevertheless, RT 100 Trigon ensures high cutting speeds and feed rates – made possible by the innovative coolant duct geometry.

## Flute form

A specially developed flute form with the highest surface finish as well as the 4-facet point geometry ensures optimal chip generation and cutting characteristics.

## Corner preparation

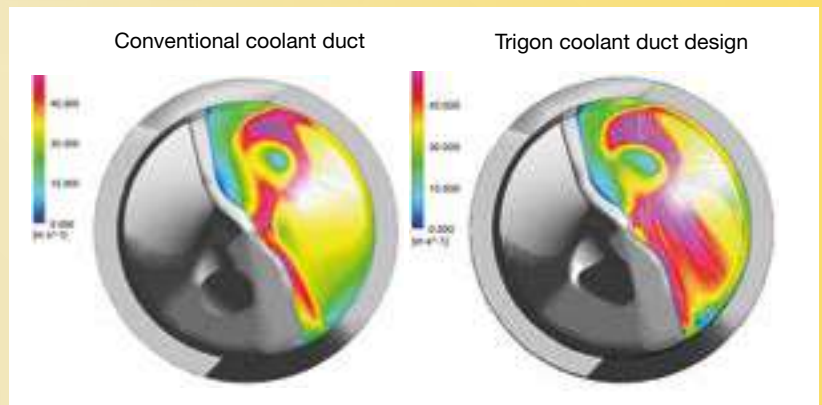
The TiAlN based coating and special corner preparation reduces the extreme stresses on the cutting edge during machining and provides high wear-resistance.



## RT 100 Trigon® - new coolant duct design

The new form of coolant duct optimises the coolant volume, the flow rate and the flow direction, extreme process temperatures are optimally dissipated. In comparison to conventional round coolant ducts the cooling medium is specifically guided to the most stressed areas, the major cutting edge and the cutting edge corners of the drill.

- IMPROVED COOLANT VOLUME
- OPTIMISED FLOW RATE
- OPTIMAL COOLING AT THE MAJOR CUTTING EDGE AND THE CUTTING EDGE CORNERS OF THE DRILL



Flow characteristics in comparison