

Test our new high performance drill Nirox

Order now!

Drill easily up to 9xd without internal coolant with the new high-performance drill Nirox

It is often difficult to drill micro diameters in materials hard and tough to machine as internal coolant flow is not always possible. Sometimes due to the diameter and sometimes due to machining conditions. We have developed the high-performance drill Nirox because the trend is smaller and deeper boreholes.

After thousands of trials in different materials we have the fully newly designed high-performance drill Nirox ready to perform. Besides materials commonly in use we successfully tested as well in more exotic materials such as Inconel alloys, Waspaloy and Udimet. Diameter range starts from \varnothing 0.30mm and goes up to \varnothing 3.00mm with increments each 0.05mm.

The design of the tool is completely new including special grinded and re-treated point geometry as well as a novel run of the margin. We already use the degressive running helix angle since decades and consequently we only slightly optimized it. All this added to the glossy finished chip flutes generates an excellent chip evacuation which leads to high tool life and cutting depths. The reinforced shank diameter increase stability and divert reliably the originated vibrations. The hard and still smooth TiAlSiN-coating safely protects the cutting edges at high application temperatures.

Diameters in plus tolerance
for H7-drilling

Special head geometry
for a constant chip generation

Reliable chip evacuation
due to polished flutes

Heat resistant TiAlSiN coating
guarantees long tool life

