



Cutting



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62113003 - Printed in Denmark by Rosenblatts Bogtrykkeri - Design: Banner



COOL



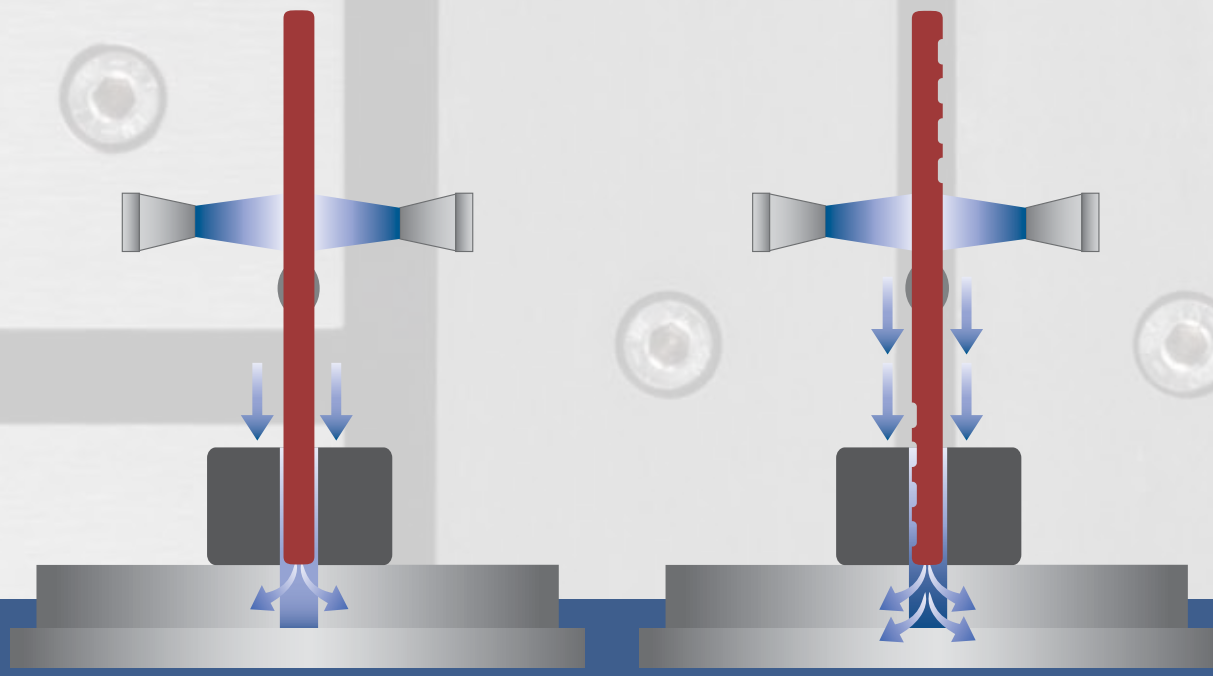
Struers now introduces new cut-off wheels offering increased cutting performance

New 3D Cut-Off Wheels

Improved Cooling – Improved Performance

The new 3D design is an addition to our standard line of cut-off wheels, and is a result of ongoing development. The new cut-off wheels are designed so that each side has a 3 dimensional hexagonal surface pattern, also called the 3D surface. With the new surface, cooling of the workpiece is much more efficient.

Less heat damage due to more efficient cooling is an important step towards faster, more reliable preparation results. Our new 3D cut-off wheels will produce a surface which requires less subsequent preparation steps. Thus producing specimens in a shorter time and at a lower cost.



With ordinary cut-off wheels the water is sprayed onto the sides of the wheels, and most of the water is wiped off when the wheel enters the workpiece.

With the 3D surface, the water is still sprayed onto the sides, but all the water sprayed into the channels between the hexagons is transported into the cut, thus cooling the workpiece much more efficiently.



Struers cut-off wheels with the unique 3D surface offering improved cooling performance.

Intelligent cut-off wheels

With wheels from Struers the abrasive density varies across the wheel radius – with increasing density towards the center of the wheel (see below). This means that the cutting performance of the wheel remains constant even as it wears to a smaller diameter.



Do you want to avoid this?
The cutting process often builds up debris. With the new 3D design this problem is eliminated. The cutting table and the entire cutting chamber stay clean as the small particles are easily washed away. Cleaning of the equipment is far easier, and the risk of overflowing because of a blocked outlet is greatly reduced.