



SOLOTEC

GRINDING TOOLS FOR PERIPHERAL
GRINDING OF TUNGSTEN CARBIDE
AND CERMET CUTTING INSERTS

SOLOTEC

The SOLOTEC product line from TYROLIT offers the perfect solution for the peripheral grinding of cutting inserts made of tungsten carbide and cermet. A range of newly developed bond systems with optimised strength and increased brittleness are used.

When combined with new diamond qualities, the result is efficient grinding tools that improve the grinding process while simultaneously increasing workpiece quality.

Application

Peripheral grinding of tungsten carbide and cermet cutting inserts



Photo: AGATHON AG

+ **High stock removal rate:** The innovative specifications enable high stock removal rates and low cutting-edge chipping when using smaller diamond grit sizes.

+ **For universal use:** Identical specifications can be used to machine both tungsten carbide and cermet workpieces in a cost-effective manner.



+ **Lower grinding forces:** The specifications offer particularly high cutting efficiency, reducing the grinding forces on the workpiece while at the same time causing only a low level of wear to the grinding wheel.

+ **System solution:** The specification of SOLOTEC products is ideally suited for use with TYROLIT dressing tools.

Product range

TYROLIT offers individually-tailored grinding tools for peripheral grinding of cutting inserts to suit all common grinding machines. TYROLIT application engineers define the specifications for every usage case as stipulated by the customer-specific workpiece and machinery factors.

Diameter	Abrasive layer width	Abrasive layer height	Grit sizes
250, 300, 350, 400	6, 8, 10, 12, 16, 18, 20	6/8	D17 to D64