

STARTEC XP-P+

Diamond cup wheels with highest edge stability for universal use in tool manufacturing



Premium grinding tools since 1919 www.tyrolit.com Maximum edge stability:

The combination of innovative metal

adapted grit sizes extends the dress-

same time, it guarantees outstanding

ing interval of the cup wheel. At the

quality of the workpiece to be ma-

chined, even with large batches.

bond, high diamond quality and

STARTEC XP-P+ CUP WHEELS

The new STARTEC XP-P+ diamond cup wheels feature the use of innovative metal bonds combined with the highest diamond qualities and state-of-the-art production processes. This greatly enhances the edge retention of the grinding tools, surface results and feed speed. An extensive stock range ensures high flexibility in tool production.

Application:

Grinding of clearance surfaces and face geometries on milling tools



Low grinding forces: The reduction in grinding forces enables an increase of around 40% in the feed speed and simultaneously guards against tool breakage due to overloading during the grinding process.

+ System solution:

The STARTEC XP-P+ product line makes it possible to equip the grinding spindle with efficient cup and flute grinding wheels.

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 Extremely rapid availability: A carefully selected assortment of STARTEC XP-P+ cup wheels is kept in stock and can therefore be supplied extremely quickly.

Application example:

Workpiece: end mill d = 20mm, number of teeth z = 4 Tool: 11V9 100 \times 35 \times 20 3-10 D64-M-4XPP+ STARTEC XP-P+ Task: Gashing ae = 4 mm Cutting speed: 28 m/s Machine: ANCA TGX Cooling: Oil Feed rate: vt = 150 mm/min

Result:

The STARTEC XP-P+ cup wheel can achieve a 30% lower wear on the edge, a 25% lower normal force and a 15% lower energy consumption than comparable competitor products.



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