



STARTEC PG - 2

Grinding tools for high-speed external cylindrical longitudinal grinding

STARTEC PG-2

Based on our experience with the grinding tools from the STARTEC PG-1 product line, new solutions for rough grinding using a peel grinding technique evolved from resolute development work. Due to the unique wheel composition, a new high-strength metal bond and innovative diamond qualities the STARTEC PG-2 grinding wheels offer convincing performance. The process is carried out with an extremely low grinding noise level, wear is significantly reduced, whilst having improved surface quality and an especially high stock removal performance.

Application
Grinding workpiece geometries using a contouring process



+ Highest stock removal performance
The use of new specifications enables a feed increase of up to 20 % when rough grinding.

+ Low wheel wear
The combination of a new wheel construction together with an optimized specification reduces the wheel wear by up to 10 %.

+ Reduced grinding noise
The innovative wheel composition, carefully harmonized raw materials and an optimal process setting selected by TYROLIT application engineers have reduced grinding noise to an absolute minimum.



+ Quickest availability
Selected STARTEC PG-2 grinding and dressing tools are kept in stock and can therefore be supplied swiftly.

Application example

Blank: K10F/d = 16 mm
Workpiece: Twist drill d = 14,5 mm / Cutting length l = 133 mm / Overall length lg = 165 mm
Machine: Reinecker RS500 / Cooling lubricant: oil

Cycle time reduced by 35 %



Dressing interval extended by 20 %



Surface roughness
Rz = 1,5 µm

Recommended dressing wheels

C80V for grit sizes ≥ D 91
C120V for grit sizes ≥ D 54