

KEY MARKETS:

ROUND TOOL GRINDING

KEY APPLICATIONS:

FLUTING, GASHING

FEATURES & BENEFITS:

- Premium grain technology Low normal force for easier chip making and low wear for higher life
- The free grinding bond system significantly reduces grinding forces when compared to competitor products and provides superior part quality
- Lower Specific Cutting Energy and 25% to 50% higher MRR than previous generation products
- Improved edge stability and superior surface quality

G-Force Plus Round Tool Grinding

SHAPES & DIMENSIONS:

Shapes:	1A1, 3V1, 14A1, 1F1, 2A2T, etc
Diameter (D):	3" - 8"
Layer width (T or U):	1/8" - 1" as one section (shape dependent)
Layer depth (X):	Shape/layer width dependent
Grit size:	100 grit through 600 grit
Core Material:	Copper if unitized, aluminium if cemented

Made-To-Order

AVAILABILITY:

Norton Winter G-Force Plus wheels are made to meet your precise requirements. They are available in a variety of profile shapes and wheel sizes to meet your specific needs for round tool or insert grinding. Contact your Norton representative for specification recommendations to ensure maximum grinding performance.

Truing and Dressing

PRODUCT RECOMMENDATIONS:

Truing: Conventional Norton Silicon Carbide wheels Dressing: Norton Aluminum Oxide dressing sticks







WINTER



APPLICATION: FLUTE GRINDING

BASELINE PRODUCT: INCUMBENT WHEEL



NORTON PRODUCT: G-FORCE PLUS

WORKPIECE: 2 Flute 7/32" OD Carbide Endmill

MATERIAL: Carbide 10% WHEEL TYPE: 1V1 V=10

MACHINE: Rollomatic 620 XS

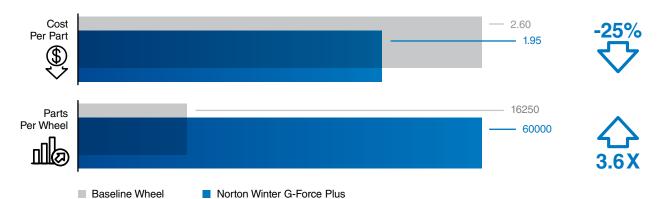
COOLANT: Oil

G-FORCE PLUS SPEC: AD320-UP061P INCUMBENT SPEC: AD320-UP061

RESULTS: The G-Force Plus wheel showed increased productivity and

wheel life along with a 25% improvement in cost per part.







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