



CUTTING EDGE SOLUTION FOR VITRIFIED PRECISION GRINDING

Norton the world leader in Abrasives proudly presents **Norton Blu**, a unique grinding tool engineered with advanced Blue Aluminum oxide. Take the leap and upgrade your set-up with BLU which will deliver significantly longer wheel life, while ensuring outstanding part quality.



NORTON BLU ADVANTAGES

INCREASED WHEEL LIFE:

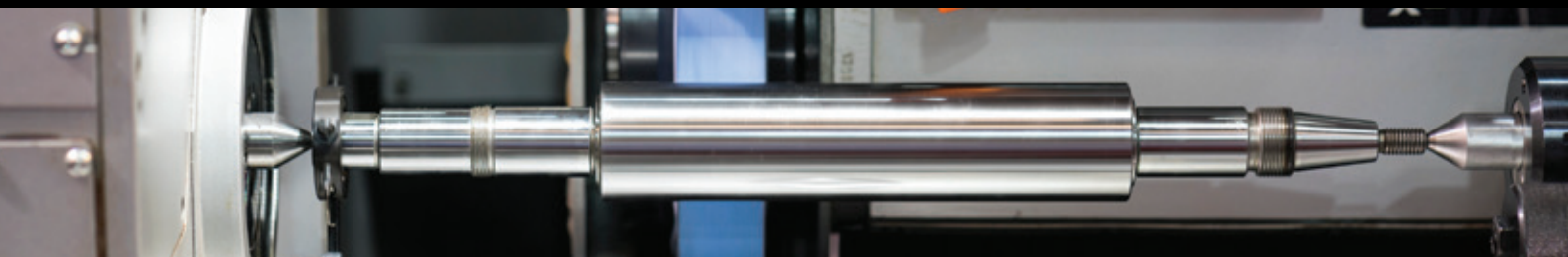
Norton BLU is Ideal blend of toughness and friability which reduces the grain wear while maintaining cutting efficiency for longer time period which increases the parts per dress.

REDUCED COST PER COMPONENT:

Norton Blu offers the best in class value for money, with reduced wheel changeover and reduce dressing cost along with Increased wheel life. Guaranteed savings for customers on shifting to **Norton Blu** from conventional products.

CONSISTENT PART QUALITY:

Norton Blu combined with latest bond technologies leads to a very uniform wear which helps to maintain consistent part geometry and quality while maintaining surface finish even at high Material removal rates.



AVAILABILITY

| | | |
|--------------------------|--|---|
| ABRASIVE TYPE | Blue Aluminum Oxide, tough and friable for cool cutting and increased wheel life | |
| GRAIN SIZE (FEPA) | 46 Coarse Grain for aggressive cutting action | 100 Finer Grain for improved surface finish |
| GRADE | H Softer wheel hardness for easier grain refresh and free cutting ability | O Harder grade wheel for less aggressive cutting and improved form hold & wheel life |
| STRUCTURE | 5 Less open structure for improved form hold and wheel wear | 10 More open structure for higher MRR and heat sensitive parts |
| BONDS SPEED | Latest Vitrified bonds for grain holding 80m/s max. | |

ALSO AVAILABLE WITH VITRIUM3 BOND TECHNOLOGY

Vitrium 3 bond provides unprecedented grain adhesion and lowers cost in three ways.

1. COOL CUTTING
2. PRECISE PROFILE
3. HIGH SPEED



CASE STUDY

APPLICATION

Cylindrical Plunge

PART TYPE / MATERIAL

Yoke shaft, SAE 4140, 60HRC

PART DIMENSION

70 dia, 0.4mm Stock

WHEEL DIMENSION

05/N 500x43x203.2 mm

SPECIFICATION

NX80K8VT3

COMPARED WITH

DA80

SPEED

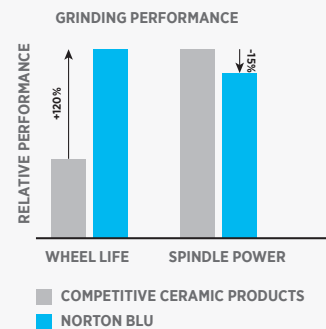
45m/s

COOLANT

Emulsion

RESULT

Dressing Skip: x2.2 | Parts Per Dress: 22 against 10 | Spindle Power: -15%
Consistent size and surface finish



GRINDWELL NORTON LTD.

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