

AN **EVOLUTION** IN MICROABRASIVES



NORTON

SAINT-GOBAIN®

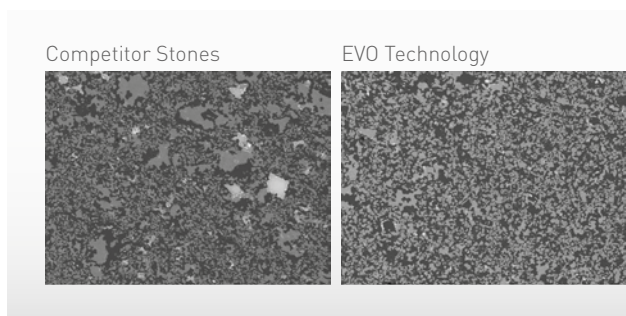


AN EVOLUTION IN MICROABRASIVE STONES FOR HIGH PRECISION HONING

Norton introduces the EVolution of microabrasive stones for lapping operations in the bearing market.

The high precision superfinishing process improves the final shape and surface finish of the part by removing defects generated during grinding.

The new range of stones is made from an innovative engineered process which ensures a very homogeneous bond/grain distribution throughout every millimetre of the product. This uniform micro-structure reduces the level of irregular macro-porosity between the abrasive and bond, providing an improved equal dispersion of micro porosity levels inside the stones, for outstanding part quality and reliability, longer lifetime versus conventional stones and overall lower process costs.



FEATURES

- Perfect grain/bond homogeneity
- Better bond/grain adhesion
- Superior performance

BENEFITS

- Product consistency and process reliability for customers
- Longer lifetime
- Optimized self sharpening behaviour and shape keeping
- Excellent surface finishing
- Lower process costs

AVAILABILITY

- Grain Availability: AlOx (SA)
- Grain Size: Fepa 500 to 1500
- Grade: C to H
- Treatment: Sulfur-Wax

CASE STUDY: Raceway Honing

Improve stone life and Ra

Application:

Inner ring – race honing

Machine:

Supfina

Part information:

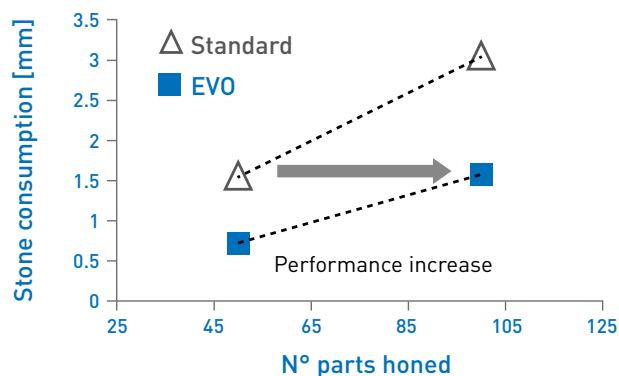
IR 120mm to 400mm

Material:

100Cr6

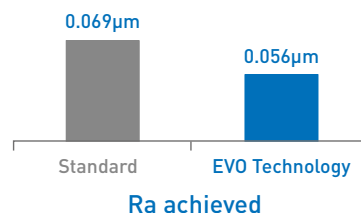
Process Parameters:

Metal removal 4 microns
on diameter Ra required 0,07



EVO Key benefits

Stone life: +100%
Cycle time: the same
Form holding: very well
Ra improvement



www.norton.eu

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