



## CASE STUDY

Norton IDeal-Prime  
4" X 1" X 7/8" Wheel

### APPLICATION: ID GRINDING

#### THE CUSTOMER'S CHALLENGE

The Norton IDeal-Prime ID grinding wheel with Norton Quantum Prime grain was tested against a wheel with previous generation grain to determine the level of improvement in overall performance.

MACHINE TYPE:	Heald No. 74
COOLANT:	None
DRESSER:	Single point dressed 1/4" CT
WORKPIECE:	Material: D2 Dimension: Internal Diameter 12" Hardness: 62 Rc Stock removal: 0.020"

#### INCUMBENT INFORMATION

Incumbent Wheel: Previous Generation ID Wheel

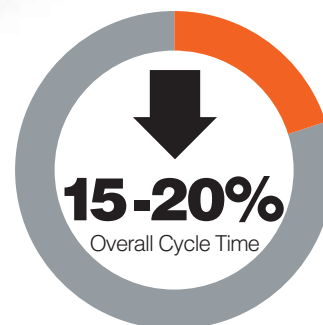
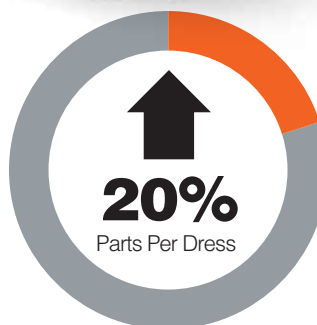
vs.

#### NORTON PRODUCT INFORMATION

IDeal-Prime Wheel: 4" x 1" x 7/8", recess side A 1-5/8" x 1/2"  
Specification: 3NQN46-IVS3  
Process Parameters: 0.0005"/pass

#### Norton Wheel Achievements

The IDeal-Prime wheel with Norton Quantum Prime grain resulted in a 20% increase in parts per dress over the previous generation baseline specification. This improvement in dressing time resulted in a 15-20% decrease in overall cycle time.



#### FORM #8872

© Saint-Gobain March 2022. Norton is a trademark of Saint-Gobain Abrasives.  
All other trademarks are respective of their owners.

[www.nortonabrasives.com](http://www.nortonabrasives.com)

