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PRESS RELEASE

A NEW CONCEPT IN GRINDING



AVOS™ from Norton Abrasives is a new grinding system for mini portable right angle grinders, which combines a total view of the work surface and cool cutting. This is achieved thanks to the innovative shape and holes incorporated into the disc and back-up pad.

AVOS™ stands for **Allows View Of Surface™**

VISION

The triangular shape and holes of the AVOS™ system offer complete vision into the grinding zone through the spinning disc without having to remove the grinder. In the past they would have had to grind by feel.

With AVOS™ discs, operators can see the grinding zone, which enables them to grind at a 5-15 angle.

BETTER SURFACE FINISH

The reduced angle helps the operator to produce a gouge-free finish with minimal disc wear.

COOL CUTTING

The innovative shape of the AVOS™ products produces an interrupted grinding cycle when they are in use, which results in a sequence of grinding times and "rest times"

During the "rest time" when no cutting takes place on a portion of the grinding surface, rotation results in loose abrasive grit and metal swarf being carried away towards the edge of the disc.

The patented holes, acting as air scoops, which are incorporated into AVOS™ products create an air flow which cools down the work piece whilst at the same time taking away dust and swarf. This increases disc cutting life while generating up to 25% less heat.

LONGER LIFE AND FASTER CUTTING

The combination of flatter grinding angle (5-15 degrees) and effective loose material removal helps to bring more abrasive into contact with the workpiece. Disc loading is reduced and this helps to maintain a more aggressive disc. Longer life is also achieved by reduced edge wear.

ADVANTAGES OF THE AVOS™ SYSTEM

The positive features for operators:

- Vision of the grinding zone
- Cool cutting
- Easy to operate
- Superior finish
- Long cutting life
- Easy mounting

THE AVOS™ SYSTEM HAS BEEN DESIGNED FOR EASY MOUNTING

The centre hole of the back-up pad has a triangular shape, which matches that of the discs. During the mounting operation the holes of the disc and of the back-up pad are perfectly and automatically lined up. No mounting tool is necessary.

AVOS™ APPLICATIONS

- Weld and braze grinding
- Deburring and light fettling
- Surface and part preparation
- Sheet metal cleaning
- Removal of rust and paint

AVOS™ USERS

- Maintenance and repair shops in all industries
- Foundries and forges
- Car body repair shops, car manufacturers and coach builders
- Food processing industry equipment manufacturers
- Sheet metal fabricators
- Pipe and plant installation
- Shipyards and boat builders
- Construction
- DIY

AVOS™ PRODUCT AVAILABILITY

- Initial launch with 115 mm discs
- Fibre discs:
 - F293:36,50,60,80,100,120
 - F827:36,50,60,80,100,120
 - F944:36,50,60,80,100
- BearTex™ discs:
 - Course (60-80)
 - Medium (100-150)
 - Very Fine (280-360)
- M14 back-up pad (5/8 B.S.W. conversion available)

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Further information is available from:

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