Finishing Tools

Hints on the Use of Desoutter Grinders and Abrasive Products

General
- When changing or fitting a wheel ensure that the grinder has first been disconnected from the air supply.
- Do not run a wheel unless it is in good condition. Discard a wheel if it is cracked or chipped.
- Always wear eye protection. Other safety clothing such as gloves, safety helmet and ear protectors are always recommended.
- Check that spindle speed does not exceed the maximum permissible speed marked on the wheel.
- Only use with a wheel guard supplied with the grinder or a Desoutter recommended wheel guard.
- Check that local safety regulations relating to the use and storage of mounted abrasive products have been complied with.
- Do not attempt to adapt to a non Desoutter recommended wheel. Only use mounting flanges and securing nuts supplied or recommended by Desoutter.

Mounted Points
- Always wear eye protection when grinding with or when dressing mounted points.
- Ensure that the mounted point runs true and never exceeds the maximum speed indicated in the point chart.
- It is recommended that mounted points are inserted with not more than 0.50" of spindle overhang.
- Always ensure that the shank is straight and the mounted point is securely fixed to the shank.
- For maximum efficiency and safe operation use a light grinding pressure. Excessive pressure does not improve the cutting rate of the point. It actually results in reduced point life and rate of cut. It may also cause the spindle to bend or break, especially at high operating speeds.
- It is recommended that an abrasive stick dressing stone is used periodically to expose fresh abrasive structure and true the wheel.

Desoutter Extraction Sanders reduce airborne wood dust by over 85%

Straight Sided Grinders
- Ensure that there is a paper washer on both sides of the wheel. The wheel should be placed on the spindle between recessed driving flanges with the recessed side of the flange towards the wheel.
- Do not mount wheel between ordinary steel washers.

Depressed Center Grinders
- Suitable for grinding welded joints, iron and steel fabrications, non ferrous and light metals, stainless steel, cutting risers on casting, etc.
- For optimum grinding efficiency cut at an angle between 15° and 30°.
- The wheel should be mounted on spindle and clamped with recessed flanges.

Reinforced Cutting-off Wheels
- Any material which can be cut off by sawing, shearing or flame cutting can also be cut off with a reinforced cutting-off wheel. Materials include hardened tool steel and stainless steel. Also rods, tubes and sheets of plastic, brick, hard rubber, etc., which cannot be satisfactorily cut with a saw.

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