Dewalt Bench Grinder

Bench Grinder

Tool Type: Grinder
Location: Elings 2442
Description: Bench grinder
Manufacturer: Dewalt

About

- Bench Grinders can be fitted with many different stones, ranging from course metal devouring wheels, to honing stones for sharpening drill bits.
- The grinder can also be fitted with buffing wheels and wire brushes
- Bench grinders should NEVER be used with wood, plastic, aluminium, brass, or any non ferrous metal.
- When in use, bench grinders can heat up the part being ground incredibly quickly, periodically submerging the part in a bucket of water can help prevent overheating or burning of the part.

Safety Concerns

- Standard machine tool safety requirements apply to this tool: safety glasses, long pants and closed-toe shoes are required. Loose clothing, jewelry, and long hair that could become entangled in the machine should be removed or secured.
- Bench grinders should NEVER be used with wood, plastic, aluminium, brass, or any non ferrous metal. Soft materials such as these can quickly build up within the wheel, causing it to become less effective, generate more heat, and even explode.
- Thin parts can also easily be sucked between the guide and the stone, always make sure any part is properly supported by the guide, and the gap between the guide and the stone is as small as possible. Parts pulled out of the operators hands can make deep cuts.
- Dust and sparks are often generated while grinding
- Prevent overheating of your workpiece by cooling it periodically in water.
- Never grind on the side of the grinding wheel - this can cause the wheel to break apart.
- Keep your hands away from all moving parts of the machine.

Training Documentation

Grinder SOP

Detailed Specifications

- 6“ x 3/4” grinding wheels
- course, fine, and buffing pads available

Reference Documentation

Grinder operating manual
Grinder parts list
master_machine_tool_training_document.docx
coe_student_machine_shop_safety_handout.pdf

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