

Using a die holder for thread cutting work

1. Purpose

This document describes the safety measures and guidelines for the safe and efficient use of a die holder. The aim is to prevent personal injury and damage to tools and workpieces.

2. General safety precautions

- **Personal protective equipment (PPE):** Always wear safety glasses and work gloves to avoid injury from metal chips or slipping tools.
 - **Clean workplace:** Keep the work area free of obstructions, debris and loose material to prevent tripping hazards or uncontrolled movements.
 - **Fix the workpiece:** Make sure the workpiece is securely clamped in a vice or other holding device.
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3. Safety measures during use

- **Tool testing:** Before use, check the die holder and die for damage or wear. Do not use damaged tools.
 - **Fixed attachment:** Make sure that the cutting die is securely fixed in the holder before you start cutting.
 - **Even application:** When turning the holder, apply even pressure to avoid jamming or breaking the die.
 - **Use cutting oil:** Apply sufficient cutting oil to reduce friction and extend the life of the die.
 - **Correct technique:** Periodically turn the die back a quarter turn to break chips and keep the cutting process clean.
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4. Safety measures after use

- **Cleaning:** Remove metal chips from the die holder and die to avoid injury from sharp edges.
 - **Tool storage:** Store the die holder in a dry and clean place, preferably in a tool box, to prevent corrosion or damage.
 - **Maintenance:** Regularly check the die holder fasteners and handles to ensure they are in good working order.
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5. Additional safety instructions

- **No overload:** Do not use the die holder for materials that exceed the specified capacity of the die.
 - **Training:** Persons using the die holder should be trained in the proper technique of threading.
 - **Dangers from chips:** Only remove chips with a brush or cloth – not with your bare hands.
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6. Emergency measures

- **Injuries caused by chips:** Rinse affected areas with water and carefully remove chips. In case of serious injuries, contact a doctor.
 - **Tool breakage:** Stop working immediately and check the die holder and the die for damage.
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This safety document is intended to ensure that the die holder is used correctly and safely to avoid accidents and material damage.