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| #1 Process (if applicable) | Cutting or grinding material (wood, plastic, or metal) freehand with an abrasive wheel or disk. |
| #2 Equipment | Angle grinder |
| #3 Personal Protective Equipment (PPE) | * Eye protection
* Hearing protection
* Minimum shop PPE
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| #4 Environmental /Ventilation controls. | * Make sure other users in the shop are wearing the appropriate PPE.
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| #5 Required training or approval  | * Angle grinder training
* Review and observe general safety practices outlined in the MKRSPC MNL.
* Refer to the manufacturer’s operating manual for all operating procedures.
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| #6 Inspection requirements before use | * Ensure you have a suitable, safe work area.
* Check that the disk, guards and handle are secure.
* Check that the safety guard covers half the disk.
* Examine the power lead and plug for obvious damage.
* Use only in designated area.
* Ensure the appropriate disk is correctly in place.
* Work piece - Ensure work piece is securely clamped and is free of any loose portions which could damage grinding wheel or disc
* Ensure appropriate guarding is in place on grinder
* Identify ON/OFF switch
* Inspect electrical cord
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| #7 Safe operating procedures or precautions | * Do not plug in until all adjustments have been made.
* Do not fit a grinding disc that has been dropped, damaged or become wet at any stage.
* Ensure your work piece is secured and supported.
* Keep fingers, hands and clothing clear of the disc.
* Use the grinder only in a designated work area – preferably behind a portable screen.
* Be aware of flying hot sparks. Hold the grinder so that any sparks fly away from you and anyone nearby, and away from all flammable materials.
* Allow the grinder to reach operating speed, then apply load gradually. Maintain a constant pace to avoid uneven surfaces.
* Maintain complete control. Always operate with both hands. Keep a proper and steady footing
* Do not apply excessive force and avoid prolonged use.
* Avoid prolonged use and high pressures. This could overheat the motor.
* Violent kickback can occur, particularly when cutting.
* Leather gloves must be worn when handling hot metal.
* Turn off after use. Do not place the grinder down until the disc has stopped rotating.
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| #8 Chemicals/ spill procedures/waste disposal | Avoid waste material build up and clean as you go. Check the dust collection system and make sure it is properly maintained and material is removed frequently. |
| Author Signature: Date:  |