



Safe Work Practice (SWP)

Name of Task: Band (Contour) Saw	
Department/Unit: Trades	
Personal Protective Equipment or other required equipment or other safety considerations: <ul style="list-style-type: none">• Eye Protection Required• CSA Approved Safety Footwear Required• Hearing Protection Recommended• Long or loose hair must be tied back or contained• No loose-fitting clothing• No jewelry, watches, rings, necklaces, etc.• Approved Dust Mask if required dependent on material used - Confirm with Instructor or MSDS	
Hazards: <ul style="list-style-type: none">• Flying metal chips (friction cutting)• Sharp edges• Hot material• Pinch or crush hazards• Burn and cut hazard from blade welding• Falling material (cut off's)• Moving parts on machine (blade and power feed)• Lifting heavy objects• Oil, coolants for slipping hazards, splash, and• Odd shaped, unstable work pieces• Inhalation hazards (mist)• Pinch zones in guide wheel	
Required Training	<ul style="list-style-type: none">• Successful completion of NBCC Safety Course (Work Safely or Workplace Safety Practices)• Shop safety orientation• Read and understand SWP• For students, practical demonstration and Instructor supervision required
Pre-Operational Safety Checks	<ul style="list-style-type: none">• Ensure that there are no slips or trip hazards in the area (clean work area. No oils, steel chips, or tools)• Check all moving and non moving parts for proper operation• Check speeds, feeds, and coolant (mist) placement (wet or air)-Confirm with Instructor• Ensure work piece and tools are properly secured• Know the safety requirements for the material that you are using (flammable/carcinogenic)• Match blade to the• Locate Emergency Drive Stop
Prohibited Activities	<ul style="list-style-type: none">• Do not hold round material with your hands (can spin and roll over your hands)• Do not eat or drink near machine• Do not leave a running machine unattended• Do not adjust or clean machine while running (chip removal)• One operator at a time• Measure sizes only when machine is stopped• Do not remove, modify, or disable safety equipment or features

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Steps to be taken to complete task safely:	
1	Inspect required personal protective equipment and replace if required.
2	Put on all required personal protective equipment.
3	Put on hearing protection if required.
4	Ensure machine is off.
5	Inspect work area for safety hazards.
6	Clean area if required.
7	Perform pre- operational safety checks to ensure the machine is in safe working condition.
8	Inspect blade type (job specific) and condition.
9	If new band (blade) is needed please see safe work procedure for Band Welding.
10	Use safe lifting procedures for loading parts and materials.
11	Place workpiece on table.
12	Adjust blade to allow approximately 1/8" clearance above workpiece.
13	Clamp round or irregular materials to a flat material. CAUTION: Do not hold round or irregular shaped materials with your hands.
14	Use a vice or appropriate holding material.
15	Confirm workpiece is stable and there is no risk of the workpiece tilting-If unsure ask Instructor.
16	Start saw blade, turn on coolant if required.
17	Use push block to push work gently into the saw blade.
18	When cut is completed, shut off machine and wait for the band to stop.
19	Remove burrs from parts and cut offs (if required) using a file or grinder.
20	Place left over material onto rack using safe lifting procedures.
21	Complete Housekeeping activities.
	<p>If an emergency occurs while conducting this task, or there is an equipment malfunction, shut the equipment off immediately and follow the lock out procedure.</p> <p>REPORT ANY HAZARDOUS SITUATION TO YOUR INSTRUCTOR/SUPERVISOR IMMEDIATELY</p> <p>Housekeeping</p> <ul style="list-style-type: none"> • Ensure equipment is off. • Place all materials in their proper storage areas. • Place cuttings in proper disposal bins. • Place dirty wipers in proper fireproof containers. • Ensure the equipment/work space is safe, clean, and tidy before you leave it. • Report any machine faults
Responsibilities, Completion and Review	
<p><i>Management and workers to ensure all duties performed in accordance to training, established health and safety regulations/guidelines, policies and procedures (e.g. utilizing personal, protective equipment as per SAFE Work Procedures). Notify Manager or designates (i.e. supervisors) of all occurrences, injuries illnesses or safety and health concerns which are likely to harm themselves, co-workers, or any others who enter the premises.</i></p>	
Completed by and Date: 1/20/2020	Approved by: Catherine Black – Dean, Trades

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Last Reviewed / Revised by and Date:	Note: This task will be monitored periodically to ensure compliance and effectiveness.
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