

Safety Assessment - Vertical Metal Bandsaw

Instructor version, with answers

Skills: Demonstrated by Student

- Set blade guides and blade guard to a safe height.
- Calculate the correct blade speed, and adjust it correctly.
- Safely cut a piece of metal - with and without a push stick.

Written Evaluation

What is the shop policy on cutting composites with this saw?
It is not allowed; use the saw in the composites area instead.

Why should you lower the blade guide and blade guard?
To help keep fingers away from the blade and/or reduce blade flex.

How many teeth should be in the material for the best cut quality?
Three or more.

What should you do in order to change the blade?
See Shop Staff; users do not change blades.

Give two examples of safety best practices.
Wear safety glasses, avoid entanglement, use push sticks, keep the blade guard (or guide) ¼" above the material.

Name two materials that cannot be cut on this saw.
Hardened metal, wood, composites (anything but metal and plastic).

Student Name _____

Student ID# _____

Instructor Name _____

Instructor Signature _____

Date _____

A P R O E

Advanced Prototype Engineering