

## **Punches**

### **•Review dress code**

- Safety Glasses must be worn at ALL times in the Shop.
- Remind students that long hair must be tied back, loose clothing and/or jewelry must be removed
- Remind students that the EDGES of sheet metal may be VERY sharp.

### **•Intro/Strengths**

- Punches make holes faster than drilling sheet metal.
- There is little set up and little to clean up – just the punched pieces.
- Punches can cut square holes while drills can't.

### **•Operation**

- A punch works through shear by having a matching die to the punch.
- Choose the desired punch size.
  - The foot-operated punch requires assistance for changing the punch.
- Lower the arm or foot pedal to punch metal.

### **Field Questions and students operate tool.**

### **•Remind students to clean up after themselves.**

- Remove all material and scraps from tool, surrounding area, and floor
- Show them where the metal recycling, brooms, etc. are located and what our expectations for clean-up are.

**REMEMBER- We are here to help. If you have any questions, ask!**