

Design Specifications

1. Vise must be easy to attach and remove anywhere on drill press table
2. Must be capable of holding material up to 3" wide
3. Easy to open and close jaws of vise
4. Jaw dimensions: 2.5" wide by 2" tall
5. Easy to clear chips- no areas for chips to get trapped
6. Easy to clean/ perform maintenance
7. Base length of vise will be 6"
8. Vise will be able to hold round stock both horizontally and vertically
9. Standard fasteners
10. Relatively easy to machine so that vise jaws are square and slide easily
11. Stiff enough design to clamp and hold a steel part for drilling
12. Vise body will be 2.5" wide by 3" tall

Sam Weston
ETME 203 Assignment 3

