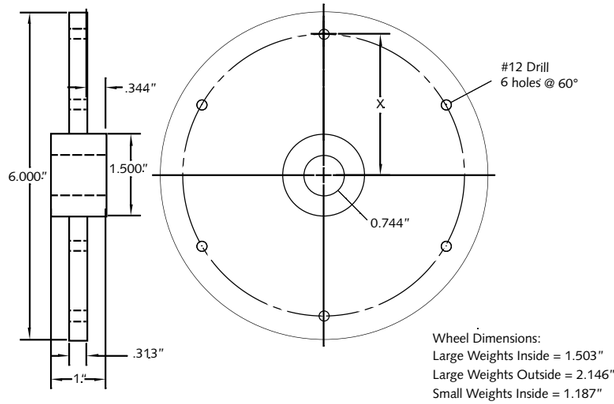
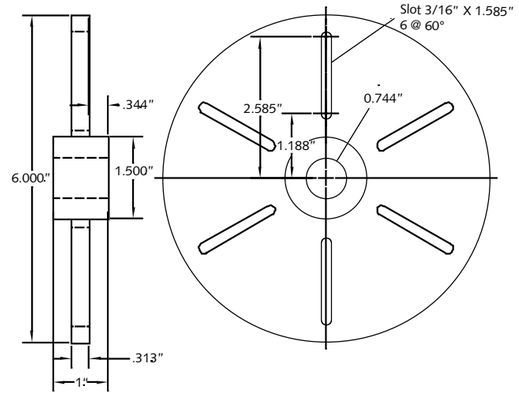
Fixed wheel

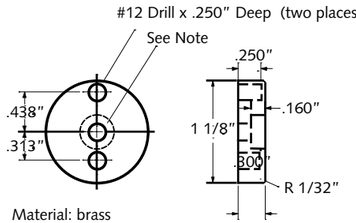


Wheel Dimensions:
Large Weights Inside = 1.503″
Large Weights Outside = 2.146″
Small Weights Inside = 1.187″
Small Weights Outside = 2.585″

Adjustable wheel



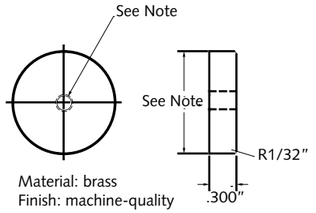
Weights



Material: brass
Finish: smooth, as machined

Note:
For one set large adjustable wheel weights:

Quantity	Center hole
6	D&T 8-32 thru (no CBR)
6	#8 drill CBR 3/8″ diameter x .160″ deep



Material: brass
Finish: machine-quality

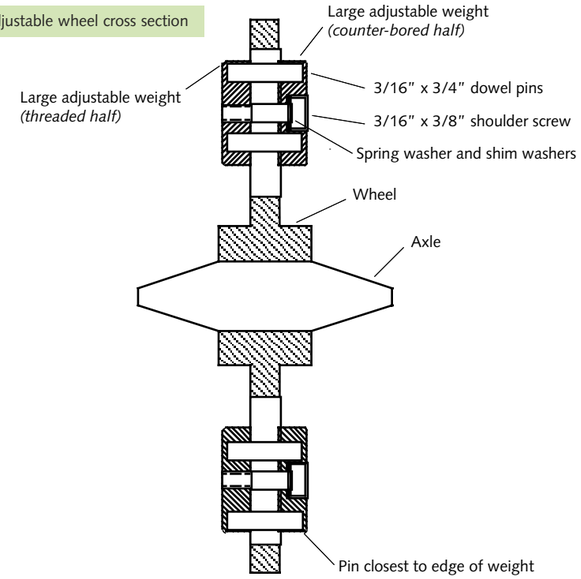
Note:
For one set non-adjustable wheel weights:

Quantity	Outside diameter	Center hole
12	1-1/8″	D&T 10-32
12	1-1/8″	#10 drill CBR 3/8″ diameter x .210″ deep
12	3/4″	D&T 8-32
12	3/4″	#10 drill CBR 3/8″ diameter x .160″ deep

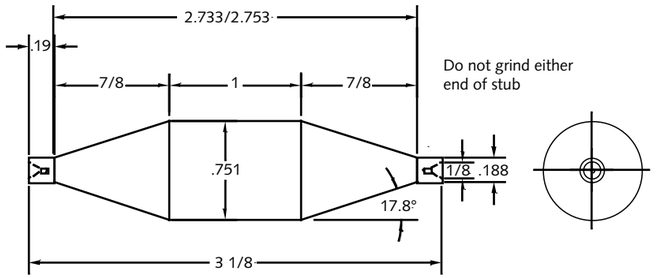
For one set small adjustable wheel weights:

Quantity	Outside diameter	Center hole
		D&T 8-32
		#10 drill CBR 3/8″ diameter x .160″ deep

Adjustable wheel cross section



Wheel axle



Notes:
- *Remove stub after balancing.*
- *Taper angle can vary a little from spec but should be consistent with entire batch.*
- *Tapers must be the same on both ends within .05°.*
- *Tapers must be concentric with center section .001″ TIR.*

Materials

- Four 8-foot lengths of 1-inch steel rod (hardened to Rockwell C60 and ground), Thompson Shafting
- 2 square feet 1-inch-thick black acetyl plastic (to make six wheels), McMaster-Carr
- 13/16-inch-diameter O-1 tool steel rod to make six 3 1/8-inch-long axles, McMaster-Carr
- 2 square feet 3/4-inch-thick aluminum plate, 6061-T6 (to make way mounts and wedges), McMaster-Carr
- 1 sheet 3/4-inch plywood (we used 13-ply Baltic birch)
- 2 square feet 3/4-inch-thick black acetyl plastic (for nests and rack rails), McMaster-Carr
- 3 square feet 1-inch nominal maple (for rack)