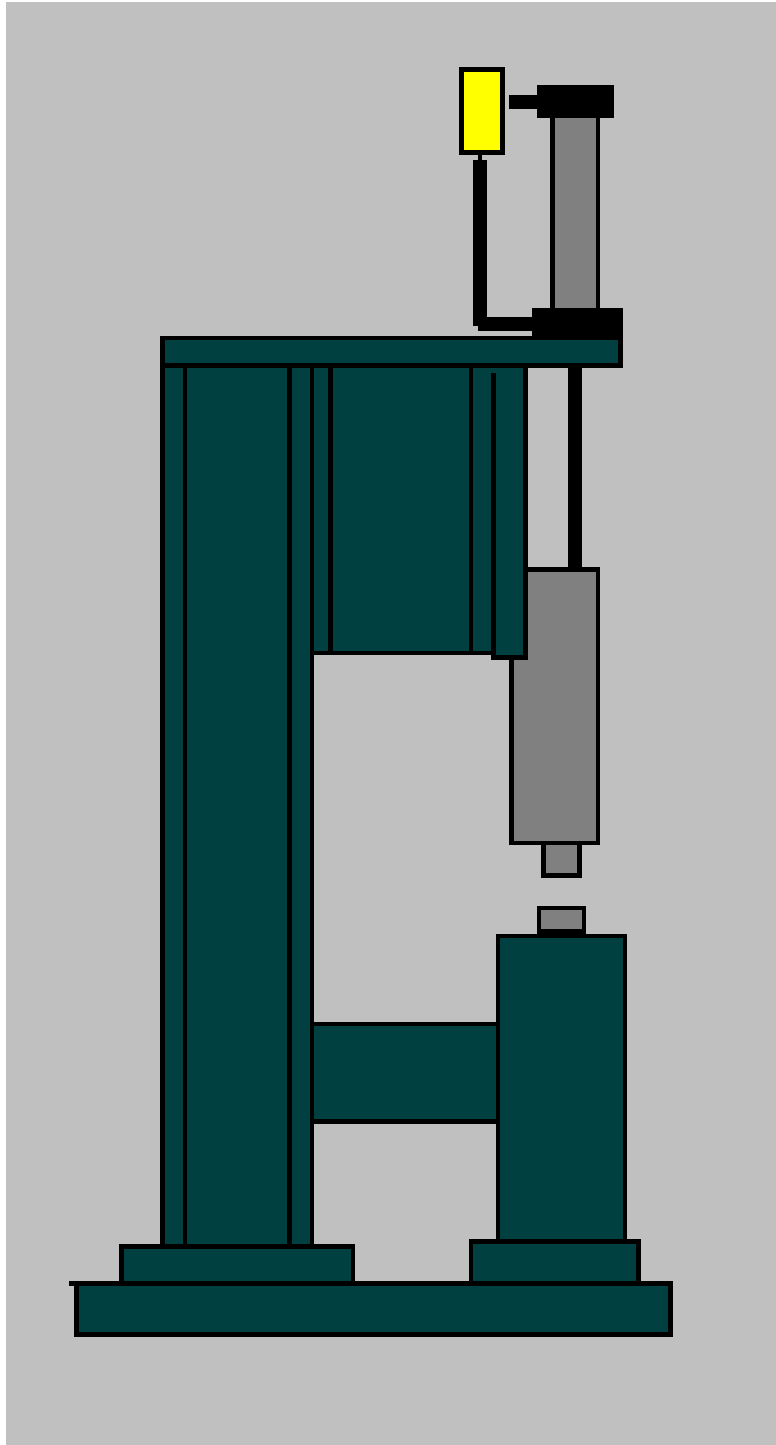


# Simple Air Hammer Modifications

By Larry Zoeller



If you these drawings along with the Simple Air Hammer plans from ABANA you will be able to build a 35 pound air hammer. All drawings are not to scale.

**Main Base Plate**

1" x 27" x 12"



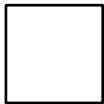
**Cylinder Plate**

3/4" x 4" x 10"



**Main Upright Cap**

1/2" x 6" x 6 1/2"



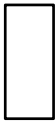
**Head Adapter**

2 1/2" x 1" x 3/4"



**Hammer Head**

3" x 3" x 10"



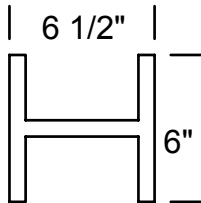
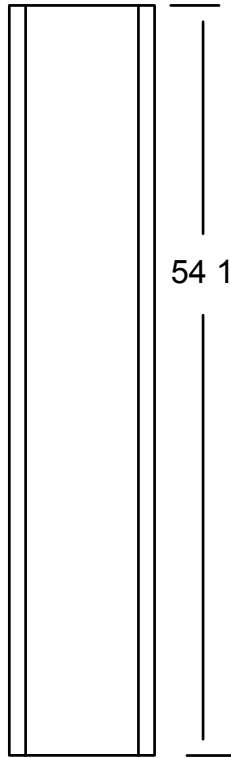
**Anvil Stay**

4" x 1/2" x ?  
measure after anvil and i-beam are in place



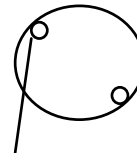
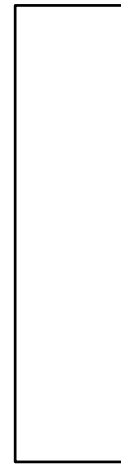
**Main upright I-beam**

54 1/2" x 6' x 6 1/2"



**Anvil**

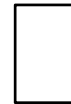
5" round x 28 1/4"



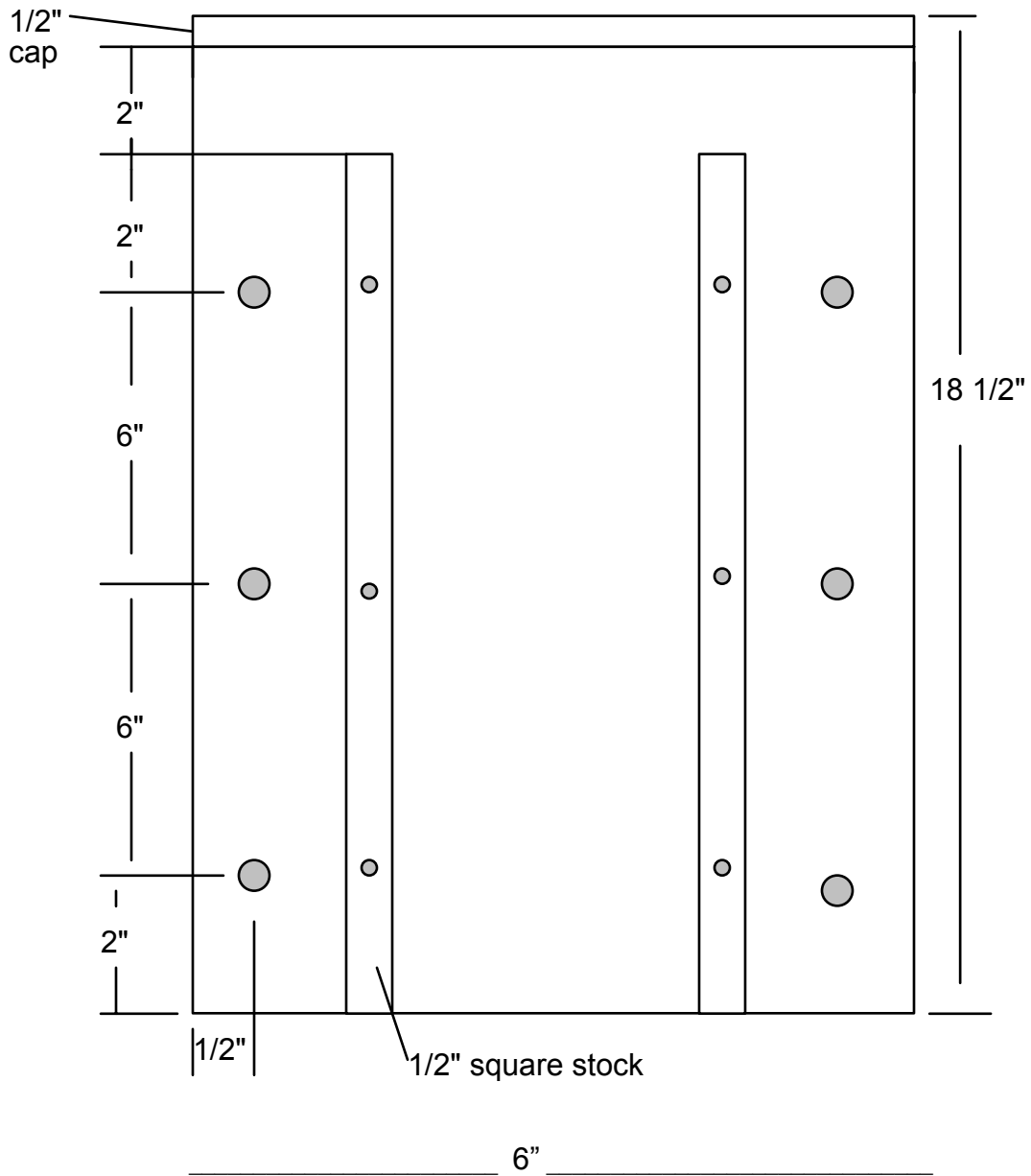
3/8 n.c. thread

**Slider plate**

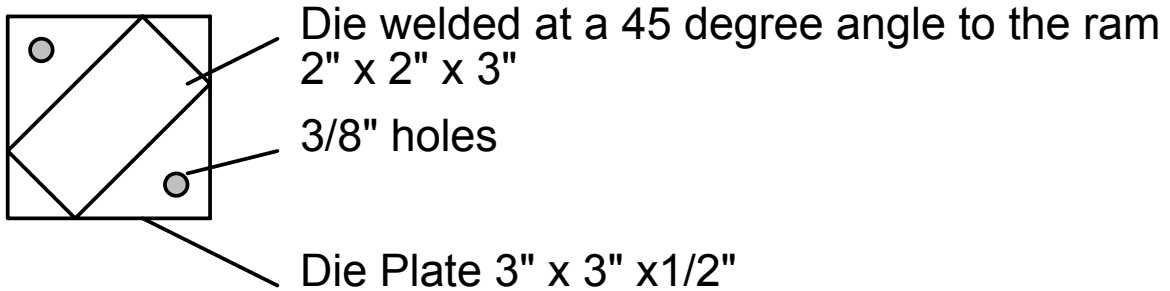
1/2" x 4 1/2" x 9"



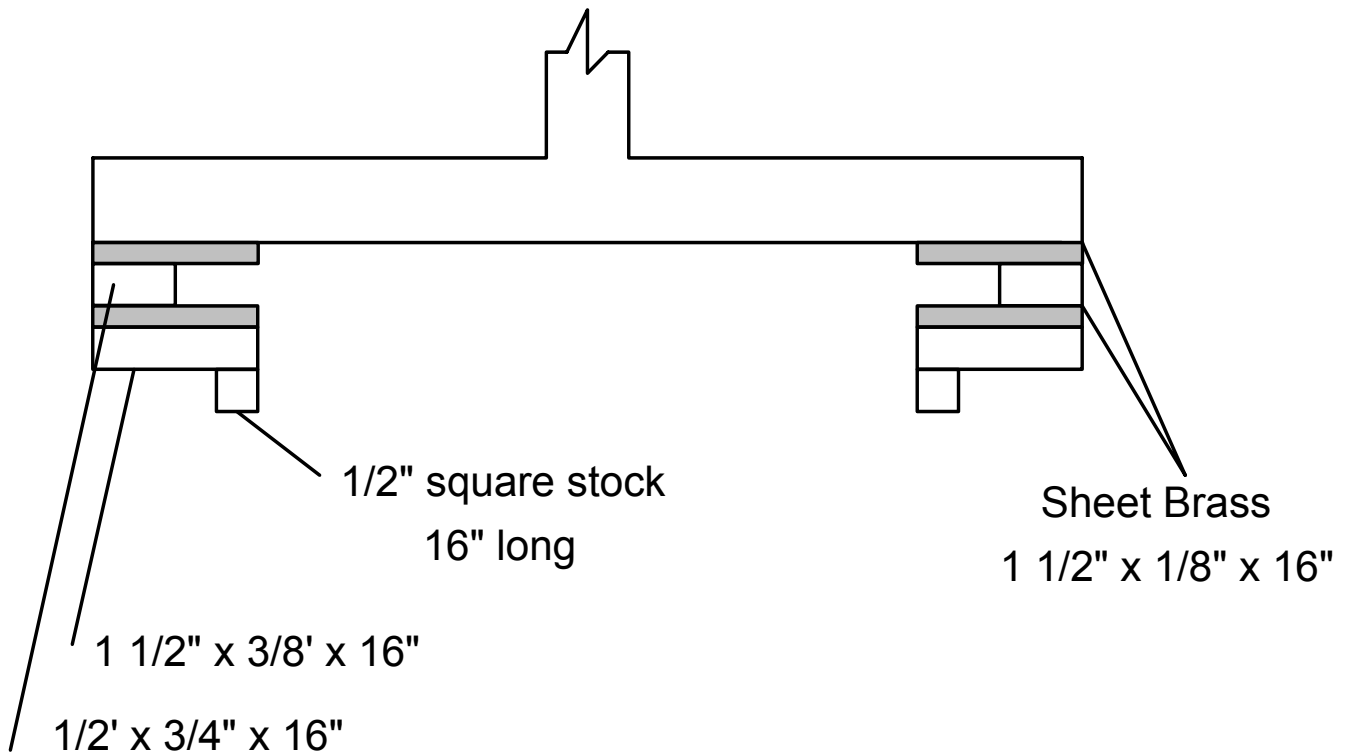
# Guide Head Mount



## Dies



## Hammer Head Guides



## Notes:

- I got my sheet brass for the guides from MSC 1 800 645-7270
- The air cylinder is 1 1/2" bore 10" stroke. The rod must have a 3" extension
- I used a Norgren K71EAOO-K56-KA2 for the four-way valve
- I did not use the anvil clamp at the bottom of the anvil base, I just welded the anvil to the main base
- I did not use a upright base that is shown in the original plans I welded the I-beam to the main base.
- Any where that the original plans called for 1/2" bolts, I downsized to 3/8" bolts. I used grade five on all fasteners.
- I used a Norgren mechanically operated 3-way valve instead of the ball valve used in the Kinyon plans. The part number is K41EAOO-KS1-KPO. You will need to plug off port 3 on the valve. I have the valve hooked to a foot treadle. I feel that this valve gives a better range of control than the ball valve.

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