

ORBITAL HOLDING SYSTEM

What's included:

- (1) Panavise 300 base with (3) 1/4-20 x 3/4" flathead screws
- (1) Panavise 376 Vise Head
- (1) Grip-All Jaws System:
 - (1) Short Vise Block
 - (1) Long Vise Block
 - (2) Pivot Arms
 - (3) 10-32 x 1-3/4" Vise Block attaching screws
 - (4) 4" Grip Pins
 - (5) 3/4" Grip Pins
- (1) OPTIONAL 3/4" plywood clamp board with three 1/4-20 threaded inserts

Instructions:

1. Set the contents of the box on a table to insure that all the items above have been shipped.
2. Attach the Panavise 300 base to whatever surface you choose to work at. An Optional clamp board with the (3) 1/4-20 x 3/4" flathead screws is provided that will allow you to clamp the Orbital Holding System to any convenient surface.
3. Clamp the unit to a table or bench with either "C" clamps or small bar clamps.
4. Install the Panavise 376 head on the 300 base and tighten securely.
5. Attach the short vise block to the crank handle end of the Panavise 376 head with (2) 10-32 x 1-3/4" flathead screws provided.
6. Attach the long vise block to the other vise head with the remaining (2) 10-32 x 1-3/4" flathead screws. NOTE: The attaching holes in the long vise block should be closest to the opposing vise block.
7. Insert the pivot arms; one in the short vise block and the other in the long vise block. Use any of the holes in either vise block that will fit the size of the object being held.
8. Insert the grip pins in the appropriate holes in the pivot arms that best fit your project.

Tips:

1. Secure your Grip-All Jaws Orbital Holding System to a very solid and stable surface.
2. When securing your project, place the Grip Pins at the widest points that will hold your work piece. This increases the stability of your work.
3. Don't be afraid to tighten the vise. The grip pins may bend outward, but that is part of the design and keeps the system from crushing fragile objects. When you feel you have tightened the crank handle enough, check the work piece to insure it is tight enough to proceed. If it seems the least bit loose, tighten the crank handle further until the work piece does not move.
4. If you need a different length of grip pins, purchase any length 1/4-20 partially threaded bolt at your local hardware store, cut the head off and slip a piece of 1/4" ID fuel hose over the bolt. (also available at the hardware store) You can also wrap the bolt with friction tape or any other suitable non-slip material.
5. NOTE: DO NOT use all-thread rod or fully threaded bolts. When pressure is applied by tightening the vise, the threads under the protective cover could cut through and mar your project. Thread are needed where the bolts insert into the pivot arms to hold them in place, but there should be no threads above the pivot arm.