Pittsburgh®

3/4” PIPE CLAMP WITH STAND

Model 94053

ASSEMBLY AND OPERATING INSTRUCTIONS



(3/4” DIAMETER PIPE NOT INCLUDED.)

Distributed Exclusively by HARBOR FREIGHT TOOLS®

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**TO PREVENT SERIOUS INJURY,
READ AND UNDERSTAND ALL WARNINGS
AND INSTRUCTIONS BEFORE USE.**

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For technical questions or replacement parts, please call 1-800-444-3353.

PRODUCT SPECIFICATIONS

Item	Description
Product Compatibility	Fits all 3/4” NPT metal pipes (not included)
Clamping Mechanism	Four disc clutch for heavy duty clamping
Adjusting Screw Housing Dimensions	From 5/8” to 1-1/2” W x 3-3/4” H x 3/4” L
Lead Screw Dimensions	4-5/8” L x .604” Outside Diameter
Lead Screw Thread Type	Acme threads
Crank Handle Dimensions	From 9/16” to 1-7/8” L x 1/4” to 7/8” W x 4” H
Throat Depth	1-11/16”
Sliding Jaw Dimensions	From 1-5/8” to 2-3/8” L x 1/4” to 2” W x 3-1/8” to 4-1/2” H
Additional Features	Adjusting Screw Housing Base and Sliding Jaw Base each provide two 7/32” mounting holes to attach wooden pads (not included) to protect workpiece. Design allows for Hand Crank to turn without touching workbench.
Unit Weight	2.70 Pounds
Note:	No replacement parts are available for this product

UNPACKING

When unpacking, check to make sure all the **parts shown on page 4** are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS
Failure to follow all instructions listed in the following pages may result in electric shock, fire, and/or serious injury.
SAVE THESE INSTRUCTIONS

GENERAL SAFETY PRECAUTIONS

1. **Maintain the label on the Pipe Clamp.** This carries important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

2. **The Pipe Clamp is designed to work with all 3/4" NPT metal pipes** (not included)**. Do not attempt to subsitute a 3/4" NPT pipe with any other size or type of pipe or any other object.**

3. **Stay alert. Watch what you are doing, and use common sense when operating this product. Do not use this product while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating this product may result in serious personal injury.

4. **Store this product out of reach of children and other untrained persons.** Tools and equipment are dangerous in the hands of untrained users. Do not let children handle or play with this product.

5. **Maintain this product with care.** Do not use this product if damaged. If damaged, tag this product **"Do not use"** until repaired.

6. **Use the right product for the job.** Do not attempt to force a small tool or accessory to do the work of a larger industrial tool or accessory. There are certain applications for which this product was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this product, and do not use this product for a purpose for which it was not intended.

7. **Always release tension on the Pipe Clamp and remove any workpieces from the tool before performing maintenance or cleaning procedures.**

8. **Repair service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

9. **Always wear ANSI approved safety impact eye goggles when assembling and operating this product.**

10. **WARNING!** The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors, which cannot be built into this product, but must be supplied by the operator.

ASSEMBLY AND OPERATING INSTRUCTIONS

To Attach Protective Wood Pads To The Pipe Clamp:

1. The Adjusting Screw Housing (1) and Sliding Jaw Housing (2) each are constructed of steel, and when tightened against the edges of a wooden workpiece may scratch or dent the workpiece. Therefore, it is recommended that in order to better protect the surface of the workpiece a *wooden* pad (not included) be attached to both the Adjusting Screw Housing and Sliding Jaw Housing.

2. To construct a wooden pad for the Adjusting Screw Housing (1) and Sliding Jaw Housing (2), cut two **1/2"** thick pieces of a soft wood (i.e., fir or pine) to **1-7/8" wide by 1-5/8" long**. **(See Figure A.)**

3. Place the wooden pads against the Adjusting Screw Housing (1) and Sliding Jaw Housing (2), and use the two 7/32" diameter mounting holes in each Housing as a template to mark the locations where two 7/32" diameter holes will be drilled in each wooden pad. **(See Figure A.)**

4. Drill the two 7/32" diameter holes in each of the wooden pads. Make sure to **countersink** the holes in order to recess the head of the bolts (not included) that will be used to secure the wooden pads to the Adjusting Screw Housing (1) and Sliding Jaw Housing (2). **(See Figure A.)**

5. Use two **3/4"-1" long by 7/32" diameter** Bolts with Lockwashers and Nuts to secure a wooden pad to the Adjusting Screw Housing (1). Repeat this Step for the Sliding Jaw Housing (2). **(See Figure A.)**

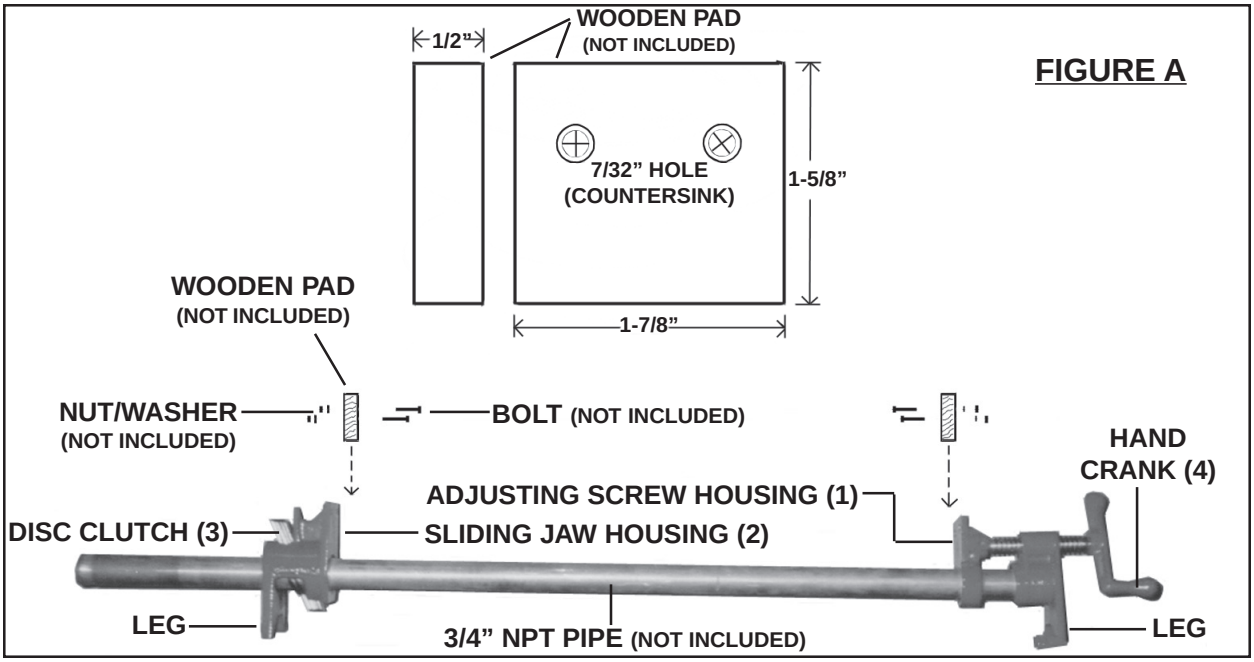


FIGURE A

To Assemble The Pipe Clamp:

1. Screw the threaded end of a 3/4” NPT Pipe (not included) firmly into the Adjusting Screw Housing (1). **(See Figure A.)**

2. Push in on the Disc Clutch (3) of the Sliding Jaw Housing (2), and insert the Sliding Jaw Housing onto the 3/4” NPT Pipe. Then, release pressure on the Disc Clutch to lock the Sliding Jaw Housing in place. **(See Figure A.)**

To Operate The Pipe Clamp:

1. Set the assembled Pipe Clamp on a flat, level, sturdy workbench capable of supporting the weight of the Pipe Clamp, additional tools, and workpieces. Make sure to position the Pipe Clamp on its “legs” in order to elevate the Pipe Clamp and allow the Hand Crank (4) to be turned freely. **(See Figure A.)**

2. Open the Hand Crank (4) by turning it *counterclockwise*. **(See Figure A.)**

3. Push in on the Disc Clutch (3) of the Sliding Jaw Housing (2), and slide the Sliding Jaw Housing toward the end of the 3/4” NPT Pipe. Then, release pressure on the Disc Clutch to lock the Sliding Jaw Housing in place. **(See Figure A.)**

4. Place the workpiece(s) between the Adjusting Screw Housing (1) and Sliding Jaw Housing (2), allowing the workpiece(s) to rest on the 3/4” NPT Pipe. Then, slide the workpiece(s) to the right so that its right edge is against the Adjusting Screw Housing. **(See Figure A.)**

5. Push in on the Disc Clutch (3) of the Sliding Jaw Housing (2), and slide the Sliding Jaw Housing to the left edge of the workpiece(s). Then, release pressure on the Disc Clutch to lock the Sliding Jaw Housing in place. **(See Figure A.)**

6. Slowly turn the Hand Crank (4) *clockwise* to apply pressure on the workpiece(s). Apply only enough pressure to hold the workpiece(s) firmly in place. Too much pressure may buckle the workpiece(s) or cause it to split. **(See Figure A.)**

7. When finished using the Pipe Clamp, slowly turn the Hand Crank (4) *counter-clockwise* to release pressure on the workpiece(s). Push in on the Disc Clutch (3) of the Sliding Jaw Housing (2), and slide the Sliding Jaw Housing toward the end of the 3/4” NPT Pipe. Then, remove the workpiece(s) from the Pipe Clamp. **(See Figure A.)**

8. Make sure to store the Pipe Clamp in a safe, clean, dry, location out of reach of children and other unauthorized users.

INSPECTION, MAINTENANCE, AND CLEANING

1. **Before each use,** inspect the general condition of the Pipe Clamp. Check for broken, cracked, or bent parts, loose or missing parts, and any condition that may affect the proper operation of the product. If a problem occurs, have the problem corrected before further use.
   Do not use damaged tools.

2. **After each use,** clean the Pipe Clamp with a soft cloth and mild detergent. Do not use solvents.

3. **When storing,** make sure to store the Pipe Clamp in a safe, dry, clean location out of reach of children and untrained users.

NOTE:
No replacement parts are available for this product.

PLEASE READ THE FOLLOWING CAREFULLY

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