

VAPS112 Pipe Stand



WARNING 

 WARNING



- Failure to follow instructions and warnings could result in death, serious personal injury, property damage, and/or product damage.
- Before operating or servicing any pipe preparation tools, read all instructions in this manual and all warning labels on the tool.
 - Wear safety glasses, hardhat, foot protection, and hearing protection while working around this tool.
 - Save this operating and maintenance manual in a place accessible to all operators of the tool.

If you need additional copies of any literature, or if you have questions concerning the safe and proper operation of this tool, contact Victaulic, P.O. Box 31, Easton, PA 18044-0031, Phone: 1-800-PICK VIC, E-Mail: pickvic@victaulic.com.

Original Instructions

TABLE OF CONTENTS

Hazard Identification 4
Operator Safety Instructions 4
Introduction 6
 Receiving the Tool6
 Container Contents6
 Returning the Tool6
Tool Nomenclature. 7
Tool Dimensions and Specifications 8
Pre-Operation Checks and Adjustments. 8
 Pipe Preparation8
 Tool and Pipe Stand Setup.9
 Initial Pipe Stand Adjustments9
 Final Pipe Stand Adjustments10
Maintenance11
Parts Ordering Information12
Troubleshooting.12

HAZARD IDENTIFICATION

Definitions for identifying the various hazard levels are provided below.



This safety alert symbol indicates important safety messages. When you see this symbol, be alert to the possibility of personal injury.

Carefully read and fully understand the message that follows.

DANGER

- The use of the word “DANGER” identifies an immediate hazard with a likelihood of death or serious personal injury if instructions, including recommended precautions, are not followed.

WARNING

- The use of the word “WARNING” identifies the presence of hazards or unsafe practices that could result in death or serious personal injury if instructions, including recommended precautions, are not followed.

CAUTION

- The use of the word “CAUTION” identifies possible hazards or unsafe practices that could result in personal injury and product or property damage if instructions, including recommended precautions, are not followed.

NOTICE

- The use of the word “NOTICE” identifies special instructions that are important but not related to hazards.

OPERATOR SAFETY INSTRUCTIONS

The VAPS112 Pipe Stand is designed for the sole purpose of supporting pipe to be roll grooved. These instructions must be read and understood by each operator PRIOR to working with the stand. These instructions describe safe operation of the stand, including set up and maintenance. Each operator must become familiar with the stand’s operations, applications, and limitations. Particular care should be given to reading and understanding the dangers, warnings, and cautions described throughout these operating instructions.

Operators shall follow all appropriate OSHA guidelines and training. Use of this stand requires dexterity and mechanical skills, as well as sound safety habits. Although this stand is designed and manufactured for safe, dependable operation, it is difficult to anticipate all combinations of circumstances that could result in an accident. The following instructions are recommended for safe operation of this stand. The operator is cautioned to always practice “safety first” during each phase of use, including set up and maintenance. It is the responsibility of the lessee or user of this stand to ensure that all operators read this manual and fully understand the operation of this stand.

Make this manual readily available in a clean, dry area. Additional copies are available upon request through Victaulic, or can be downloaded at victaulic.com.

 **DANGER**

1. **Avoid using the pipe stand in potentially dangerous environments.** Do not expose the pipe stand to rain, and do not use the pipe stand in damp or wet locations. Do not use the pipe stand on sloped or uneven surfaces. Keep the work area well lit. Allow sufficient space to operate the pipe stand properly.
2. **Secure the work, stand, and accessories.** Ensure that the pipe stand is stable and well-supported on a level surface, and cannot tip over. Refer to the “Tool Setup” section.

 **WARNING**

1. **Prevent back injury.** Always follow OSHA guidelines for safe lifting techniques when handling stand components.
2. **Wear proper apparel.** Do not wear loose clothing, jewelry, or anything that can become entangled in moving parts.
3. **Wear protective items when working with the pipe stand.** Always wear safety glasses, hardhat, foot protection, and hearing protection.
4. **Keep hands and tools away from the pipe stand while pipe is being loaded, rotated, and positioned on the pipe stand.** Pipe can crush or cut fingers and hands.
5. **Do not reach inside pipe ends during tool operation.** Pipe edges can be sharp and can snag hands and shirt sleeves.
7. **Do not over-reach.** Maintain proper balance at all times. Ensure that all controls are easily accessible to the operator.
8. **Do not make any modifications to the pipe stand.** Do not remove any safety guarding or any components that would affect pipe stand performance.

 **CAUTION**

1. **The VAPS112 pipe stand is designed ONLY for supporting pipe sizes, materials, and wall thicknesses as designated.**
2. **Inspect the equipment.** Before using the pipe stand, check moveable parts for obstructions. Ensure that pipe stand components are installed and adjusted in accordance with setup instructions. Ensure that pipe stand components are stable and secure, on a flat level surface.
3. **Stay alert.** Do not operate the pipe stand if you are drowsy from medication or fatigue.
4. **Keep visitors, trainees, and observers away from the work area.** All visitors should be kept a safe distance from equipment at all times, and should be offered the opportunity to review this manual.
5. **Keep work areas clean.** Keep the work area around the pipe stand clear of any obstructions that could limit movement of the operator. Clean up any spills on the floor to prevent slips or falls.
6. **Do not force the pipe stand.** Do not force the pipe stand or accessories to perform any functions beyond the capabilities described in these instructions. Do not overload the pipe stand.
7. **Maintain pipe stand with care.** Keep the pipe stand clean to ensure proper and safe performance. Follow the instructions for matching and lubricating pipe stand components, if applicable.
8. **Use only Victaulic replacement parts and accessories.** Use of any other parts may result in a voided warranty, improper operation, and hazardous situations. Refer to the “Parts Ordering Information” section.
9. **Do not remove any labels from the pipe stand.** Replace any damaged or worn labels. Introduction

INTRODUCTION

NOTICE

- Drawings and/or pictures in this manual may be exaggerated for clarity.
- The pipe stand, along with this operating and maintenance instructions manual, contains trademarks, copyrights, and/or patented features that are the exclusive property of Victaulic.

The VAPS112 Pipe Stand is intended for supporting pipe to be grooved with Victaulic Roll Grooving Tools. This pipe stand incorporates a free-standing base and uses ball transfer units for pipe rotation and movement. The ball transfer units are mounted to permit the use of pipe slings, and the turnstile design allows pipe to be spun around for grooving of both pipe ends without dismantling the pipe from the stand.

CAUTION

- This pipe stand must be used **ONLY** for supporting pipe with specifications that fall within the designated parameters.
- This pipe stand is not designed to support fittings for roll grooving.
- Exercise spatial awareness when turning or spinning the pipe stand, so that nearby persons or objects are not affected.

Failure to follow these instructions could damage the pipe stand and cause product failure, resulting in property damage or personal injury.

The VAPS112 Pipe Stand supports pipe sizes ¾ - 12 inches/26.9 - 323.9-mm (1½-foot/0.5-meter to full, single 20-foot/6-meter random lengths) and has a load rating of 1075 pounds/490 kilograms.

- Vertical stroke - 10 ¾ inches/273mm
- Minimum pipe height from floor for ¾-inch/26.9-mm pipe- 23 ¼ inches/591mm
- Maximum pipe height from floor for 12-inch/323.9-mm pipe- 48 inches/1219mm

RECEIVING THE TOOL

The VAPS112 Pipe Stand is shipped completely assembled and packaged in a palletized container. Save the original packaging for return shipment of rental tools.

Upon receipt of the pipe stand, verify that all necessary parts are included. If any parts are missing, contact Victaulic.

CONTAINER CONTENTS

| Qty. | Description |
|------|--|
| 1 | VAPS112 Pipe Stand |
| 2 | TM-VAPS112 Operating and Maintenance Instructions Manual |
| 2 | RP-VAPS112 Repair Parts List |

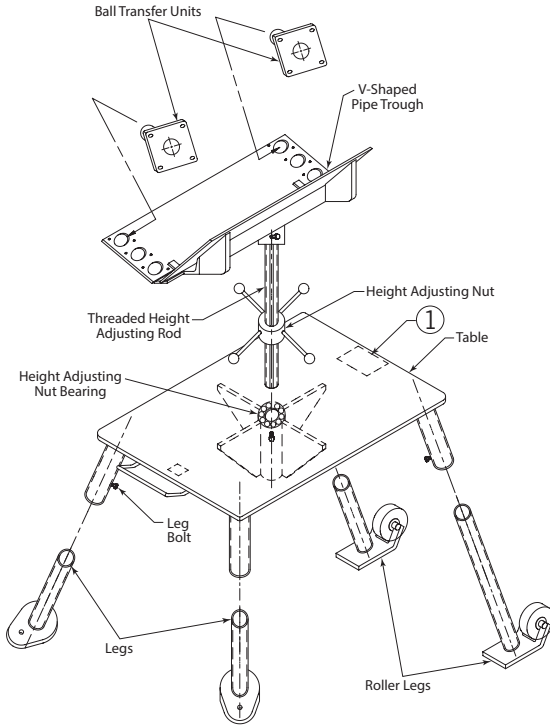
RETURNING THE TOOL

Prepare pipe stand for shipment as received. Contact Victaulic with questions.

TOOL NOMENCLATURE

NOTICE

- Drawings and/or pictures in this manual may be exaggerated for clarity.
- The tool, along with this operating and maintenance instructions manual, contains trademarks, copyrights, and/or patented features that are the exclusive property of Victaulic.



①

WARNING



Failure to follow instructions and warnings could result in death, serious personal injury, property damage, and/or product damage.

- Before operating or servicing any tools, read the entire operating and maintenance instructions manual and all labels on the tool.

- Wear safety glasses, hardhat, foot protection, and hearing protection.
- Operate the tool only with a safety foot switch. If the tool does not contain a safety foot switch, contact Victaulic.

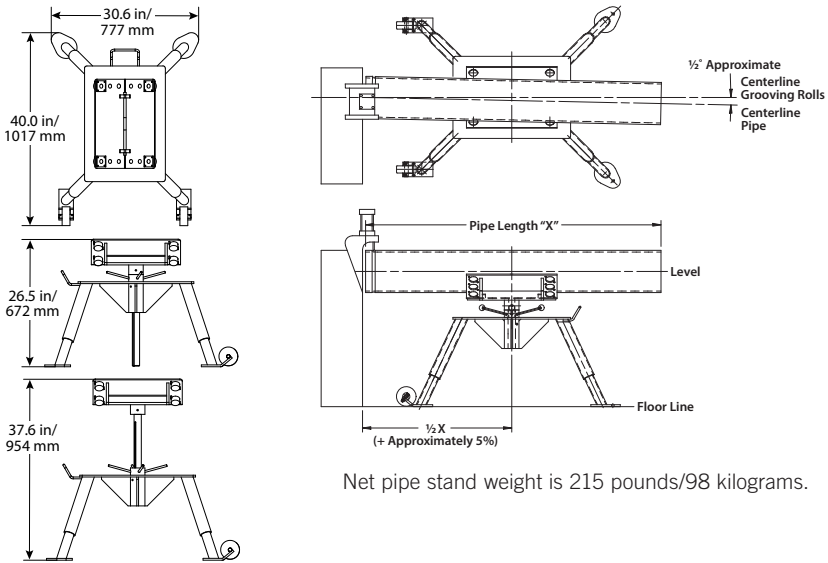
Contact Victaulic with questions regarding the safe and proper operation of tools:

Web: victaulic.com E-Mail: pickvic@victaulic.com Phone: 1-800-PICK-VIC

0567 Rev E

003127JLAB

TOOL DIMENSIONS AND SPECIFICATIONS



Net pipe stand weight is 215 pounds/98 kilograms.

PRE-OPERATION CHECKS AND ADJUSTMENTS

Every Victaulic pipe stand is checked, adjusted, and tested at the factory prior to shipment. The pipe stand shall be inspected for any damage that may have occurred during shipping and handling.

Before operating the pipe stand, the following checks and adjustments shall be made to ensure proper pipe stand operation. Repeat these steps when the pipe stand is moved and when it is transported to an alternate location.

PIPE PREPARATION

Prepare pipe for roll grooving in accordance with the Operating and Maintenance Instructions Manual for the tool being used to roll groove the pipe. In addition, inspect the pipe surface for dents or surface build-up where contact with the ball transfer units will occur. The pipe surface should be free of large dents, and free of accumulations of dirt, rust, or grime that may interfere with smooth pipe rotation.

Pipe with external, axial weld seams can be used with the stand. However, the weld bead must be smooth and rounded, and must be at least three times as wide as it is high. The weld bead must not exceed 1/8 inch/3 mm in height.

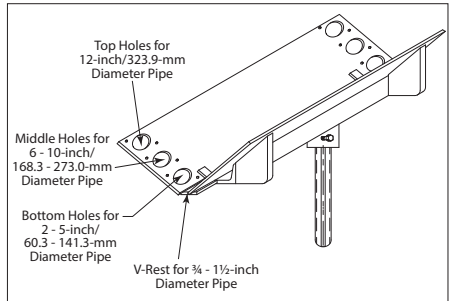
To minimize wear on the rollers and ball transfer units, grind the weld bead flush where the pipe makes contact with the stand.

NOTICE

- Grooving pipe that contains external weld seams will shorten the life of the pipe stand.

TOOL AND PIPE STAND SETUP

1. When grooving pipe that is supported with a pipe stand, select a location for the tool and pipe stand by taking into consideration the following factors:
 - a. Adequate space to handle pipe lengths
 - b. A firm and level surface for the pipe stand
2. Ensure that the roll grooving tool is **LEVELED** and **FASTENED SECURELY** to a concrete floor. Refer to the Operating and Maintenance Instructions Manual for the applicable tool being used to roll groove the pipe.
3. Position the stand in an approximate operating location, as explained below. Always refer to the “Grooving Long Pipe Lengths” section in the Operating and Maintenance Instructions Manual for the applicable tool being used to roll groove the pipe.
 - a. Determine the length of the pipe to be roll grooved.
 - b. Position the pipe stand at a distance slightly greater than half the pipe length from the tool (half the pipe length, plus 5%).
 - c. Position the pipe stand approximately in line with the tool’s grooving rolls.
 - d. Ensure that the base is level, front to back.



2. Position the four ball transfer units to the positions noted in the drawing (shown above), for the pipe size to be grooved.



- 3a. Verify that the table is level, front to back.

INITIAL PIPE STAND ADJUSTMENTS

⚠ CAUTION

- This pipe stand must be used **ONLY** for roll grooving pipe designated in this manual.

Failure to follow this instruction could cause damage to the pipe stand.

1. Determine the pipe size to be roll grooved.



3b. If necessary, loosen the leg bolt to adjust the height. Tighten the leg bolt to secure the leg in position.

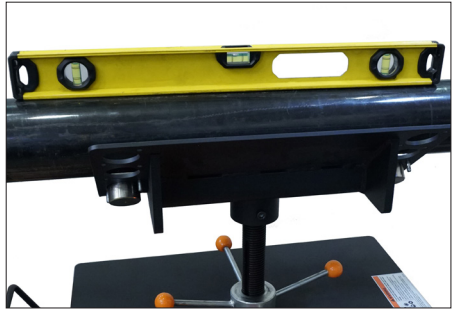


4. Using the height adjusting nut, adjust the V-shaped pipe trough to the approximate height necessary for grooving.



5. Place a length of pipe on the pipe stand.

6a. Position the pipe in the pipe stand and onto the roll grooving tool's lower roll. If using a pipe sling, the sling can be positioned between the ball transfer units when the pipe is positioned on the pipe stand.



6b. Adjust the height by using the height adjusting nut. The pipe should be approximately level when the pipe end is positioned on the roll grooving tool's lower roll, as shown above.

6c. Slide the pipe stand right or left to obtain the proper "tracking angle." Refer to the Operating and Maintenance Instructions Manual for the applicable toll grooving tool being used.

FINAL PIPE STAND ADJUSTMENTS

CAUTION

- **Remove any lifting devices from the pipe before proceeding with the following steps.**

Failure to follow this instruction could cause damage to the pipe stand.

For final adjustment of the pipe stand, a sample piece of pipe must be roll grooved. Roll groove the pipe by referring to the Operating and Maintenance Instructions Manual for the applicable roll grooving tool being used.

If pipe condition is acceptable, the V-shaped pipe trough can be rotated to position the opposite pipe end for grooving.

Examine the roll grooved pipe end for (A) excessive flare and/or (B) a scuffed pipe-end face.

A. If pipe is excessively flared, it may be due to the pipe stand adjustments. To minimize flare:

1. Verify that the roll grooving tool is **LEVEL** (especially front to back) and **SECURED** to the floor.
2. Verify that the pipe is **LEVEL** or that the back end of the pipe (end not being grooved) is slightly below level (¼ bubble maximum on a spirit level). Pipe level should always be checked with pipe end to be grooved resting in position on the roll grooving tool's lower roll.

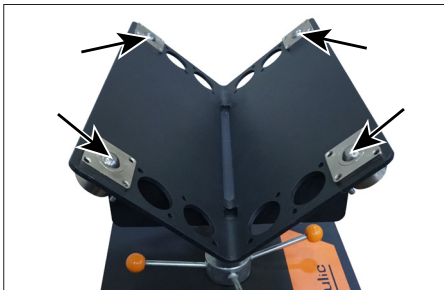
3. Reduce "tracking angle" to be as close to 0° as possible, while still maintaining pipe "tracking."

B. If the pipe end has an excessively scuffed face, the usual causes are "over tracking" and/or an out-of-square pipe end. To minimize "over tracking":

1. Keep the pipe stand tracking angle as close to 0° as possible, while ensuring adequate "tracking"
2. Level the pipe.

MAINTENANCE

This section provides information about maintaining the pipe stand in proper operating condition. Replacement parts must be ordered from Victaulic to ensure proper and safe operation of the pipe stand.



1a. Regular lubrication and cleaning is required for the VAPS112 Pipe Stand. On a weekly basis, apply dry graphite to the ball transfer units. Work the dry graphite in by rotating the ball transfer units.

1b. To clean the ball transfer units, turn the ball transfer units upside-down and roll the ball transfers on a cloth to remove debris. Light oil or cleaning solvent may be needed to remove heavy deposits.



2a. On a monthly basis, raise the pipe stand to its maximum height and apply a dry graphite spray to the threaded height adjusting rod.



2b. Work the dry graphite into the threads by lowering the stand to its minimum height.

3a. With the stand at its minimum height, lift the pipe trough to expose the bearing underneath the height adjusting nut.

VAPS112 Pipe Stand



3b. While the pipe trough is lifted, apply the dry graphite to the bearings at the base of the threaded height adjusting rod.

PARTS ORDERING INFORMATION

When ordering parts, the following information is required for Victaulic to process the order and send the correct part(s). Parts can be ordered by calling 1-800-PICK-VIC.

1. Tool Model Number
2. Tool Serial Number
3. Quantity, Item Number, Part Number, and Description
4. Where to send the part(s) – Company Name and Address
5. To whose attention to send the part(s) – Person's Name
6. Purchase Order Number
7. Billing Address

TROUBLESHOOTING

| PROBLEM | POSSIBLE CAUSE | SOLUTION |
|---|---|---|
| Pipe flare is excessive. | Pipe is "over-tracking". | Refer to the Operating and Maintenance Instructions Manual for the applicable tool being used to groove the pipe. |
| | Pipe height adjustment is too high. | |
| | Roll grooving tool is tilted forward. | |
| | Pipe is out of specification. | |
| Pipe face is excessively scuffed. | Pipe is "over-tracking". | |
| Pipe will not stay in roll grooving tool. | Insufficient pipe tracking angle. | |
| | Pipe is rotating in the wrong direction. | |
| | Pipe is not square cut. | |
| | Back end of pipe is above level. | |
| | Roll grooving tool is tilted forward. | |
| Pipe skids on one or more of the ball transfers | Ball transfer units are jammed or sticking. | Clean and lubricate the ball transfer units. |
| | Ball transfer units are clogged or there is a lack of lubrication on the ball transfer units. | |

In the event of tool malfunction outside the scope of the troubleshooting section, contact Victaulic for assistance.