

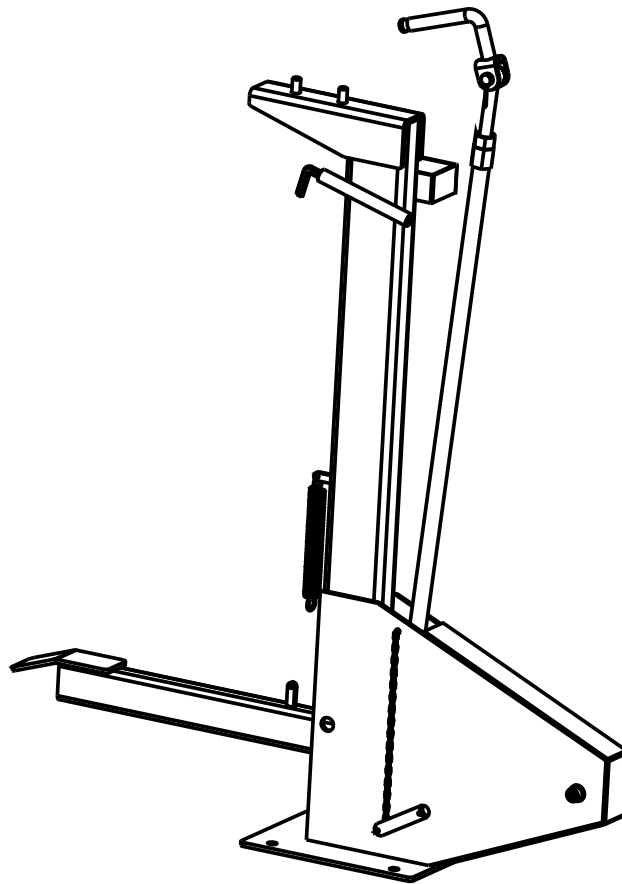


EST. 1905

# STAND FOR F450

**ITEM F460**

## ASSEMBLY AND OPERATING INSTRUCTIONS



Diagrams within this manual may not be drawn proportionally.  
Due to continuing improvements, actual product may differ slightly from the product described herein.



**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

## SPECIFICATIONS

Overall height(mm//in)	930//36-5/8
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## SAVE THIS MANUAL

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

## SAFETY WARNINGS AND PRECAUTIONS

**WARNING:** When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage.

**Read all instructions before using this tool!**

- 1. Keep work area clean.** Cluttered areas invite injuries.
- 2. Observe work area conditions.** Do not use machines or power tools in damp or wet locations. Don't expose to rain. Keep work area well lighted. Do not use electrically powered tools in the presence of flammable gases or liquids.
- 3. Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
- 4. Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- 5. Do not force tool.** It will do the job better and more safely at the rate for which it was intended. Do not use inappropriate attachments in an attempt to exceed the tool capacity.
- 6. Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
- 7. Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- 8. Use eye and ear protection.** Always wear ANSI approved impact safety goggles. Wear a full face shield if you are producing metal filings or wood chips. Wear an ANSI approved dust mask or respirator when working around metal, wood, and chemical dusts and mists.

- 9. Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines. Keep hands and fingers clear of the Roll Dies when operating.
- 10. Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have them repaired by an authorized technician. The handle must be kept clean, dry, and free from oil and grease at all times.
- 11. Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
- 12. Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
- 13. Guard against electric shock.** Prevent body contact with grounded surfaces such as pipes, radiators, ranges and refrigerator enclosures.
- 14. Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool.
- 15. Do not operate tool if under the influence of alcohol or drugs.** Read warning labels if taking prescription medicine to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.
- 16. Maintenance.** For your safety, service and maintenance should be performed regularly by a qualified technician.
- 17. Workpiece may be sharp.** After bending or cutting workpieces use caution. Be aware of sharp edges or sharp shreds of metal that may be created. Use heavy duty gloves when handling the workpiece.

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

## FEATURES

1. This item provides an ideal working height.
2. Portable and easy for assembly.
3. To be bolted to floor is recommended.

## UNPACKING

When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please contact the seller.

## ASSEMBLY

For additional information regarding the parts listed in the following pages, refer to the Parts Diagram.

1. Mount the Frame (1#) on the floor using four lag bolts (not supplied). The floor must be level, solid and capable of supporting the weight of this Stand, the weight of the Metal Shrinker/Stretcher, your work materials and the forces you apply during operation.
2. First position the Frame (1#), being sure that there is adequate clearance around it to allow for safe operation. Mark the position of the four holes in the Base on the floor.
3. Drill four holes for the lag bolts. Be sure that there are no hidden pipes, wires or other obstructions to drill into.
4. Install the Frame (1#) on the floor using your lag bolts. Check to be sure it is plumb and secure before proceeding.
5. Attach the Swivel Bolt (14#) to the Foot Pedal (2#) using the Pin (5#). Secure the Pin (5#) in place using the Split Pin (10#).
6. Attach the Foot Pedal (2#) to the Frame (1#) using Bushing (4#), two Washers (13#) and two Screws (11#). Position the Swivel Bolt (14#) on the top side of the vertical member of the Frame (1#). Check to be sure the Foot Pedal (2#) is snug and can still freely pivot in the Frame (1#).
7. Insert the Push Rod (3#) through the box section of the Frame (1#) and thread onto the Swivel Bolt (14#) approximately 38mm.
8. Thread the Nut (18#) and the Swivel Bolt (17#) onto the upper end of the Push Rod (3#) inserting it to a depth of approximately 38 mm. Attach the Driving Handle (16#) to the upper Swivel Bolt (17#) using the Pin (6#) and secure the Pin in place using a Split Pin (10#).
9. Attach the Frame (1#) and Foot Pedal (2#) using the Spring (7#).
10. Attach Safety Pin (9#) to the end of Chain (8#) and secure in place with Split Pin (10#). Attach this chain assembly to the Frame (1#) using a Split Pin (10#).
11. With an assistant, attach the Metal Shrinker/Stretcher to the flange at the top of the Frame (1#) using two Screws (12#) and Washers (13#). Check to be sure the tool is secure and stable.
12. Insert the end of the Driving Handle (16#) into the Hand Rocker on the back of the Metal Shrinker/Stretcher.
13. Test the operation of the tool by pressing down on the Foot Pedal (2#). It may be necessary to adjust the Push Rod (3#) to synchronize the operation of the Foot Pedal (2#) of this Stand and the operation of the Jaws of the Metal Shrinker/Stretcher.

## OPERATION

1. When this Stand and the Metal Shrinker/Stretcher are fully assembled, you can operate the Metal Shrinker/Stretcher by pressing down and letting up on the Foot Pedal (2#) in the same way you can operate the Metal Shrinker/Stretcher using that tool's Handle.
2. When not in use, secure the Foot Pedal (2#) in the UP position by inserting the Safety Pin (9#) onto a hole in the box section of the Frame (1#) under the Foot Pedal. This will prevent the Foot Pedal from accidentally being pushed down, which may damage the Jaws of the Metal Shrinker/Stretcher.

## PARTS LIST

Part No.	Description	Qty
1	Frame	1
2	Foot Pedal	1
3	Push Rod	1
4	Bushing	1
5	Pin	1
6	Pin	1
7	Spring	1
8	Chain	1
9	Safety Pin	1

Part No.	Description	Qty
10	Split Pin	4
11	Screw M10X16	2
12	Screw M10X20	2
13	Washer 10mm	4
14	Swivel Bolt M16	1
15	Hex Key 8mm	1
16	Driving Handle	1
17	Swivel Bolt M16	1
18	Nut M16	1

### PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

## PARTS DIAGRAM

