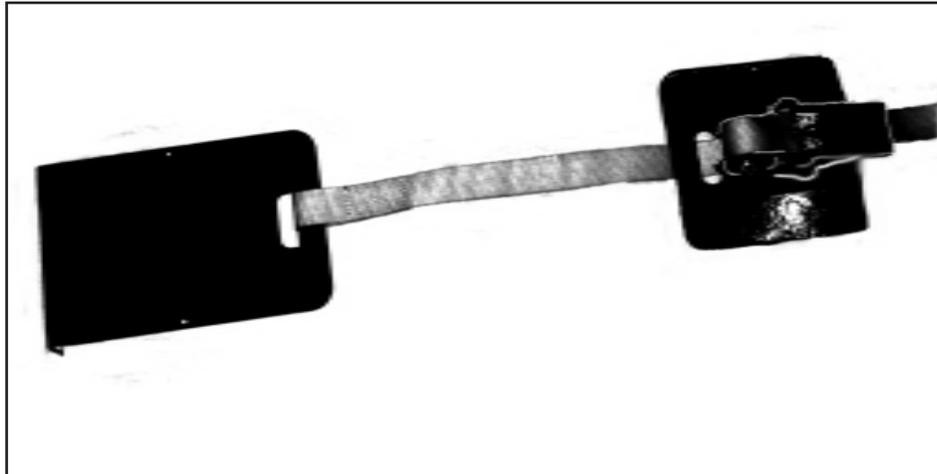


RATCHETING STRAP CLAMP FOR LAMINATE FLOORING

Model 90416



Visit our website at: <http://www.harborfreight.com>



Read this material before using this product.

Failure to do so can result in serious injury.

SAVE THIS MANUAL.

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

SPECIFICATIONS

ITEM	DESCRIPTION
Ratcheting Capacity	15'L X 1"W Reinforced Nylon Strap
Body Construction	Steel Plates
Plate Holding Edge	5/16" X 5-1/8"
Fixed Plate Dimensions	5-1/8" X 7-1/2"
Ratchet Plate Dimensions	4-3/4" X 5-1/8"
Net Weight	2.25 Lbs.

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

1. **KEEP PRODUCT USAGE AREA CLEAN.** Cluttered areas invite injuries.
2. **KEEP CHILDREN AWAY FROM PRODUCT USAGE AREA.** Do not allow children to handle this product.
3. **DO NOT ASSEMBLE THIS PRODUCT IF UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.** Read warning labels on prescriptions to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not use this product.
4. **USE EYE PROTECTION.** Wear ANSI approved safety impact goggles. Goggles are available from Harbor Freight Tools.
5. **DRESS SAFELY.** Do not wear loose clothing or jewelry as they can become caught in moving parts. Wear a protective hair covering to prevent long hair from becoming caught in the moving parts.
6. **DO NOT OVERREACH.** Keep proper footing and balance at all times.
7. **STAY ALERT.** Watch what you are doing at all times. Use common sense. Do not operate this product when you are tired or distracted from the job at hand.

8. **CHECK FOR DAMAGED PARTS.** Before using this product, carefully check that it will operate properly and perform its intended function. Check for damaged parts and any other conditions that may affect its operation. Replace or repair damaged or worn parts immediately.
9. **REPLACEMENT PARTS AND ACCESSORIES.** When servicing, use only identical replacement parts. Only use accessories intended for use with this product. Approved accessories are available from Harbor Freight Tools.
10. **MAINTAIN PRODUCT WITH CARE.** Keep this product clean and dry, and moving parts lightly lubricated for better performance. Keep product dry, clean and free from oil, grease, and solvents.
11. **USE THE RIGHT PRODUCT FOR THE RIGHT JOB.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for any purpose other than which it was intended.
12. **WORKING WITH GLUE.** Always be careful of fumes and always have proper ventilation. Keep glue away from children.

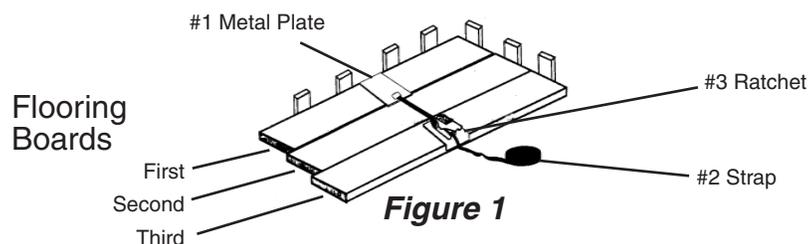
UNPACKING

When unpacking, check to make sure all parts shown on the Parts List (page #5) 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.

Using the Ratcheting Strap Clamp for Laminate Flooring:

This Ratcheting device will work as a floor clamp to aid you in laying your laminate floor panels. This clamp can only be used to tighten a total length of 14 ft. of floor panels.

1. Place the laminate flooring panels in accordance with the manufacturer's instructions.
2. Lay 3 panels as instructed, leaving a space for expansion around the edges of the floor.
3. With the Metal Plate (#1) pre-assembled with the yellow Strap (#2), insert over the edge of the first panel of laminate flooring.
4. Lay the yellow Strap (#2) across the flooring area. With the Ratchet (#3), hook under the third floor board. **See Figure 1.**



5. Feed the Strap (#2) through the slot in the Ratchet (#3), and then through the center of the Ratchet Barrel. **See Figure 2.**

Caution: Be careful not to pinch fingers in moving parts.

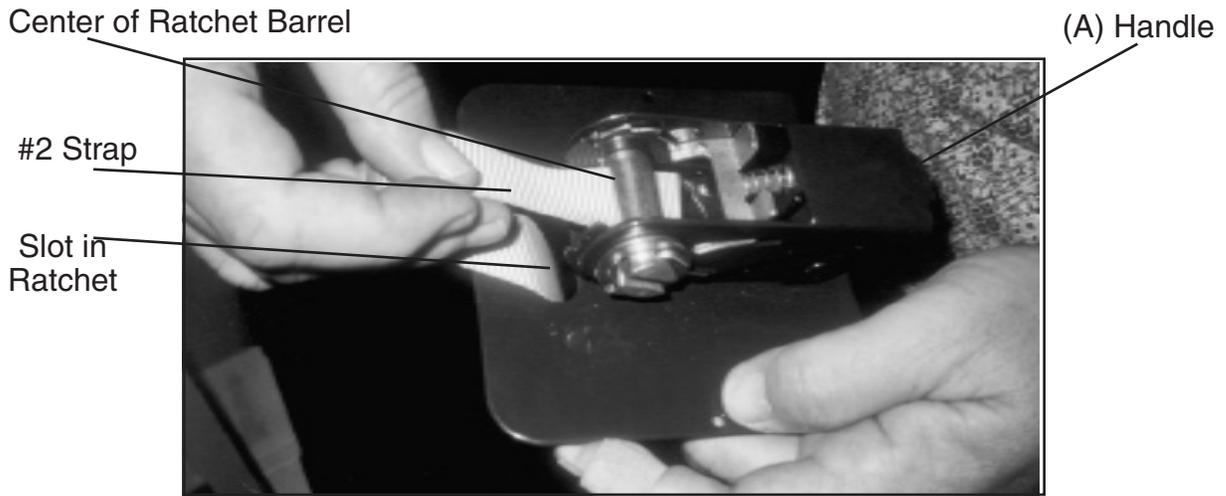


Figure 2

6. Pull the end of the Strap (#2) to take up the slack. Tighten the flooring panels together by lowering the Handle (A) gently. Caution: Be sure you do not overtighten. The flooring panels must remain flat at all times. **See Figure 3.**



Figure 3

(A) Handle

#2 Strap

(B) Spring Plates

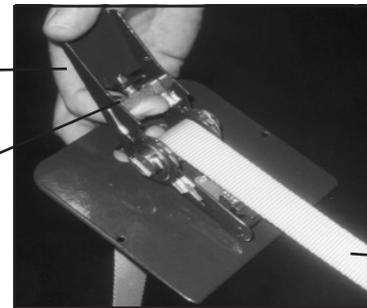


Figure 4

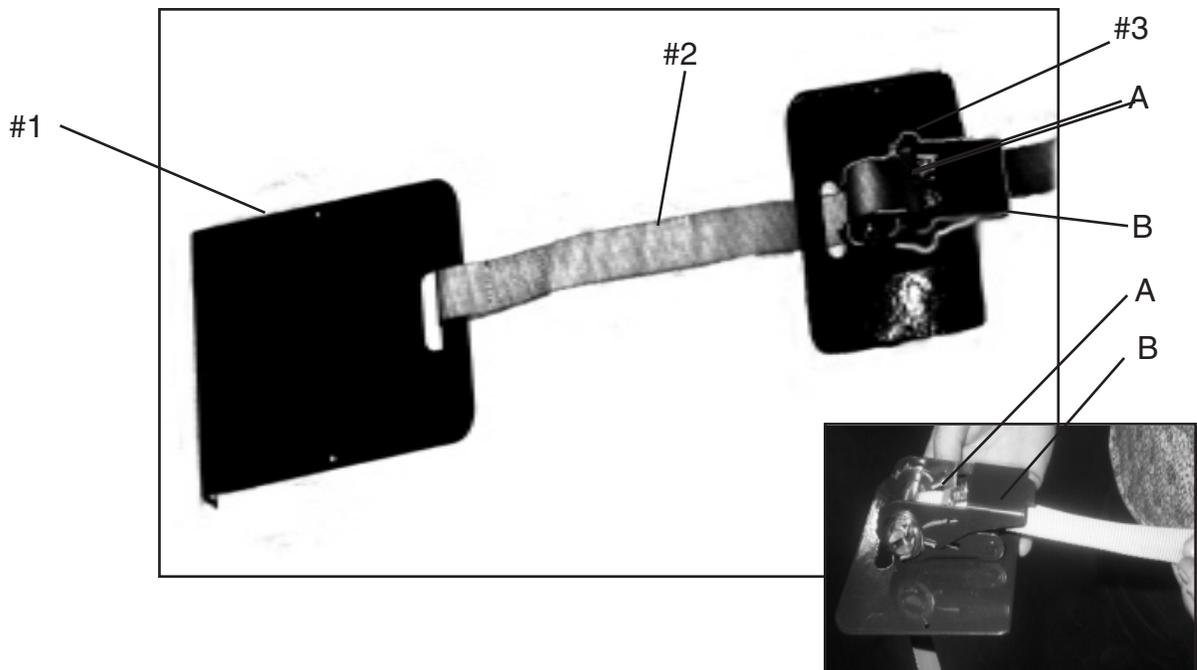
#2 Strap

7. To release the Ratchet tension, raise the Handle (A), pull each of the Spring Plates (B) back from the Ratchet center so the Handle locks fully open. Pull the Strap (#2) out of the Ratchet in the opposite direction that it was fed into the slot of the Ratchet. **See Figure 4.**
8. Repeat ratcheting until all flooring is laid, every three boards or as manufacturer has instructed.
9. Roll up Strap (#2) for storage.

PARTS LIST

PART #	DESCRIPTION	QTY
1	Metal Plate	1
2	Strap (yellow)	1
A	Ratchet Handle	1
B	Spring Plates	1

PARTS ASSEMBLY



MAINTENANCE

1. For better and safer performance, keep all parts of this product clean and dry.
2. Periodically check to see that all hardware is in place.

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.