

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

21c



MACHINIST CLAMPING KIT 42 PIECES



(Photograph Shows Only a Partial Assortment of the Clamps, Studs, and Nuts included in the Kit).

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When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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⚠WARNING

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

Specifications

Item	Description
Hardware Material	Machined Black Oxide Coated Alloy Steel
Clamping Kit Holder	3-3/4" x 6-3/4" x 11-5/8"
New Weight	14.55 lb

Save This Manual

You will need the manual for the safety warnings and precautions, 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 this manual and the invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

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

Read all instructions before using this product!

1. Avoid working alone. If an accident happens, an assistant can bring help.
2. Avoid electrical shock. Use extreme caution when clamping around uninsulated conductors or bus bars.
3. Keep work area clean. Cluttered areas invite injuries.
4. Avoid damaging equipment. Use only as specified in machine manual that accompanied the machinery.
5. Observe work area conditions. Don't expose to rain. Keep work area well lighted.
7. Keep children away. Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
6. 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.
8. Dress properly. Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically nonconductive clothes and nonskid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
9. Use eye and ear protection. Always wear ANSI approved impact safety goggles.
10. Do not overreach. Keep proper footing and balance at all times. Do not reach over or across machinery, especially while it is moving.
11. Maintain tools with care. Inspect tools periodically and have them replaced, if damaged, only with identical parts available at Harbor Freight Tools.

12. 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. There are certain applications for which this tool was designed. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
13. Stay alert. Watch what you are doing, use common sense. Do not operate any tool when you are tired.
14. 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 any broken parts or mounting fixtures and any other condition that may affect proper operation. Any part that is damaged should be replaced.
15. 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. Approved accessories are available from Harbor Freight Tools.
16. Do not operate tool if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

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.

Unpacking

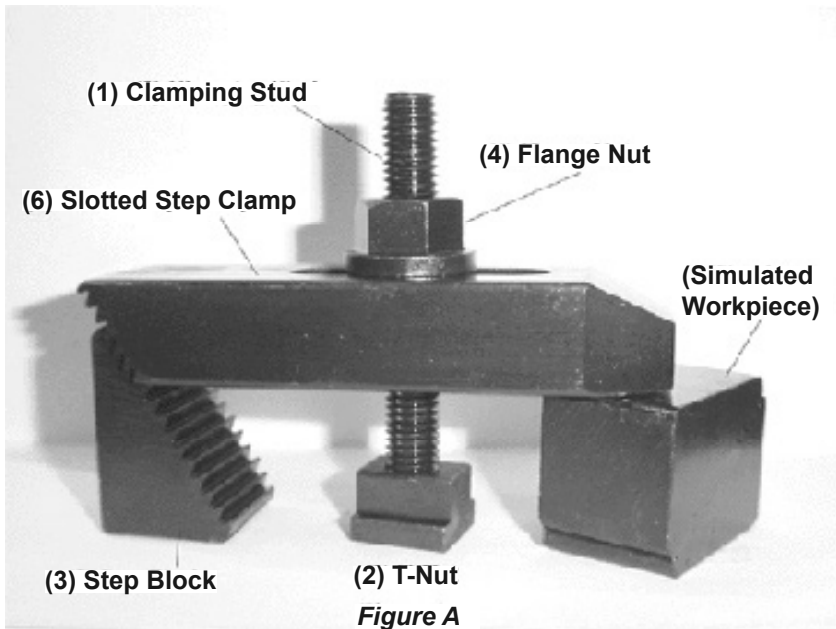
When unpacking, check to make sure the following parts are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.

Operation

The 42 Piece Clamping Kit is for use with a Milling Machine with 1/2" wide table slots.

WARNING! Use the instructions that accompany the Milling Machine (not included) for operating, safety, and maintenance instructions. The below operating instructions are only a suggestion for identifying parts and possible uses.

1. After determining what workpiece you will be milling, select the correct length of Clamping Stud (1), T-Nut (2), Flange Nut (4), or Coupling Nut (5) (not shown), that is appropriate for the dimensions of your workpiece. See Figure A.
2. You can then choose the correct Step Blocks (3) that will help your workpiece to be held securely during the milling process. Tighten the Flange Nut (4) (or Coupling Nut (5), not shown) firmly, until the workpiece can no longer move. After ensuring that your workpiece is secured properly, proceed with the Milling instructions (not included). See Figure A.



Maintenance

General

1. Never leave work unattended. Replace parts back into the Clamping Kit Holder (7) when finished. (Not shown).
2. Periodically clean all 42 pieces and see that they are free from oil or rust.
3. Keep all parts free from moisture to avoid rust and corrosion.

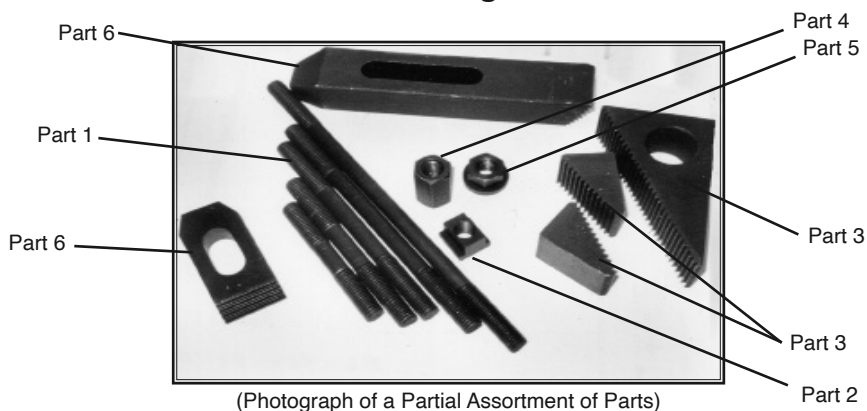
PLEASE READ THE FOLLOWING CAREFULLY

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Parts List

Part#	Description	Qty
1	Clamping Studs 8", 7", 6", 5", 4" & 3" Long (2 ea) (all with M10 X 1.500 Thread)	12
2	T-Nuts M10 X 1.500	4
3	Step Blocks 1-1/8", 1-1/2" & 3-9/16" Long (4 ea) (all 31/32" Wide)	12
4	Flange Nuts M10 X 1.500	4
5	Coupling Nuts M10 X 1.500	4
6	Slotted Step Clamps: 15/32" Thick X 1-1/8" W X 2-1/2" L	2
	Slot Size: 1/2" W X 1-1/8" L	
	47/64" Thick X 1-7/32" W X 4" L	2
	Slot Size: 1/2" W X 1-11/16" L	
	27/32" Thick X 1-7/32" W X 6-1/16" L	2
7	Clamping Kit Holder (not shown)	1

Parts Diagram



NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

90 Day Limited Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

