

Benchtop Mortising Machine

Model: 34-250

RIKON

POWER TOOLS



Part's List

Record the serial number and date of purchase
in your manual for future reference.

Serial number: _____

Date of purchase: _____

For more information:

www.rikontools.com or info@rikontools.com

For Parts or Questions:

techsupport@rikontools.com or 877-884-5167









Safety Warnings

IMPORTANT! Safety is the single most important consideration in the operation of this equipment. **The following instructions must be followed at all times.**

There are certain applications for which this tool was designed. We strongly recommend that this tool not be modified and/or used for any other application other than that for which it was designed. If you have any questions about its application, do not use the tool until you have contacted us and we have advised you.

General Safety Warnings

KNOW YOUR POWER TOOL. Read the owner's manual carefully. Learn the tool's applications, work capabilities, and its specific potential hazards.

 ▲ DANGER	ALWAYS GROUND ALL TOOLS. If your tool is equipped with a three-pronged plug, you must plug it into a three-hole electric receptacle. If you use an adapter to accommodate a two-pronged receptacle, you must attach the adapter plug to a known ground. Never remove the third prong of the plug. ALWAYS AVOID DANGEROUS ENVIRONMENTS. Never use power tools in damp or wet locations. Keep your work area well lighted and clear of clutter.
 ▲ DANGER	ALWAYS REMOVE THE ADJUSTING KEYS AND WRENCHES FROM TOOLS AFTER USE. Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on. ALWAYS KEEP YOUR WORK AREA CLEAN. Cluttered areas and benches invite accidents.
 ▲ DANGER	ALWAYS KEEP VISITORS AWAY FROM RUNNING MACHINES. All visitors should be kept a safe distance from the work area. ALWAYS MAKE THE WORKSHOP CHILDPROOF. Childproof with padlocks, master switches, or by removing starter keys.
 ▲ DANGER	NEVER OPERATE A TOOL WHILE UNDER THE INFLUENCE OF DRUGS, MEDICATION, OR ALCOHOL.
 ▲ DANGER	ALWAYS WEAR PROPER APPAREL. Never wear loose clothing or jewelry that might get caught in moving parts. Rubber-soled footwear is recommended for the best footing.
 ▲ DANGER	ALWAYS USE SAFETY GLASSES AND WEAR HEARING PROTECTION. Also use a face or dust mask if the cutting operation is dusty.
 ▲ DANGER	NEVER OVERREACH. Keep your proper footing and balance at all times.
 ▲ DANGER	NEVER STAND ON TOOLS. Serious injury could occur if the tool is tipped or if the cutting tool is accidentally

▲ DANGER**ALWAYS DISCONNECT TOOLS.**

Disconnect tools before servicing and when changing accessories such as blades, bits, and cutters.

**ALWAYS AVOID ACCIDENTAL STARTING.**

Make sure switch is in "OFF" position before plugging in cord.

NEVER LEAVE TOOLS RUNNING UNATTENDED.**▲ DANGER****ALWAYS CHECK FOR DAMAGED PARTS.**

Before initial or continual use of the tool, a guard or other part that is damaged should be checked to assure that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other damaged parts should immediately be properly repaired or replaced.



Special Safety Rules For Mortising Machines

1. Read and understand the entire owners manual before attempting assembly or operation.
2. Read and understand the warnings posted on the machine and in this manual. Failure to comply with all of these warnings may cause serious injury.
3. Replace the warning labels if they become obscured or removed.
4. This mortiser is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of a mortiser, do not use until proper training and knowledge have been obtained.
5. Do not use this mortiser for other than its intended use.
6. Always wear approved safety glasses/face shields while using this mortiser. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
7. Before operating this mortiser, remove tie, rings, watches and other jewelry, and roll sleeves up past the elbows. Remove all loose clothing and confine long hair. Non-slip footwear or anti-skid floor strips are recommended. Do not wear gloves.
8. Wear ear protectors (plugs or muffs) during extended periods of operation.
9. Do not operate this machine while tired or under the influence of drugs, alcohol or any medication.
10. Make certain the switch is in the OFF position before connecting the machine to the power supply.
11. Make certain the machine is properly grounded.
12. Make all machine adjustments or maintenance with the machine unplugged from the power source.
13. Remove adjusting keys and wrenches. Form a habit of checking to see that keys and adjusting wrenches are removed from the machine before turning it on.
14. Keep safety guards in place at all times when the machine is in use. If removed for maintenance purposes, use extreme caution and replace the guards immediately.
15. Make sure the mortiser is firmly secured to the stand or bench before use.
16. Check damaged parts. Before further use of the machine, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
17. Provide for adequate space surrounding work area and non-glare, overhead lighting.
18. Keep the floor around the machine clean and free of scrap material, oil and grease.
19. Keep visitors a safe distance from the work area. Keep children away.

California Proposition 65 Warning

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Your risk from exposure to these chemicals varies, depending on how often you do this type of work. To reduce your exposure, work in a well-ventilated area and with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

For more detailed information about California Propostion 65 log onto rikontools.com.

SAVE THESE INSTRUCTIONS.
Refer to them often.

Specifications

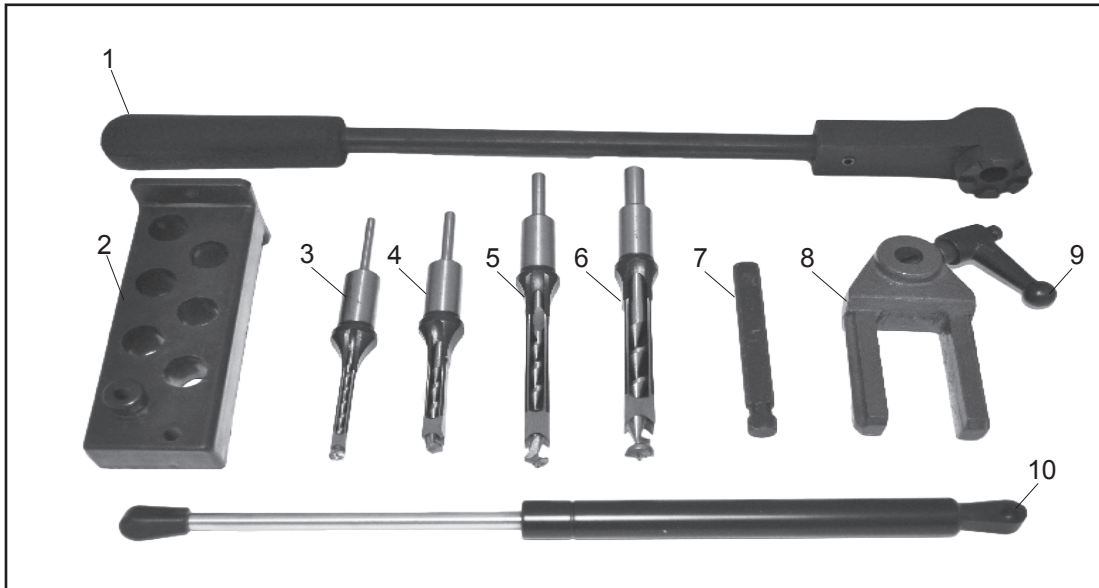
Model Number	34-250
Motor	1/2 HP, 110V, 6A, 60Hz
Motor Speed	1725 RPM
Chisel Shank Diameter	5/8" & 3/4"
Chisel Travel	4-5/8"
Chisel Range	1/4", 5/16", 3/8", 1/2"
Stock Width	8-1/2"
Stock Thickness	6"
Maximum Mortise Depth	3"
Chuck Type	Keyed
Chuck Capacity	3/8"
Table Size	12-1/4"L x 10-1/2"W
Overall Size	29"L x 13-3/4"W x 32"H
Net Weight	70lbs

Contents of Package

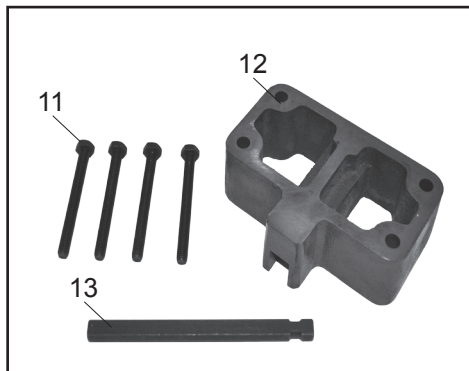
Unpacking and Checking Contents

Unpack your mortising machine from its carton and check to see that you have all of the following items. Set packing material and shipping carton to the side. **Do not discard** until machine has been set up and is running properly.

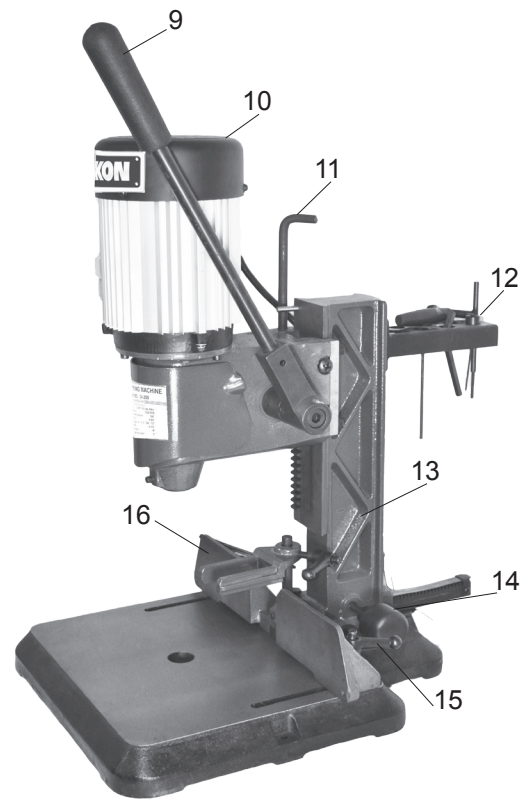
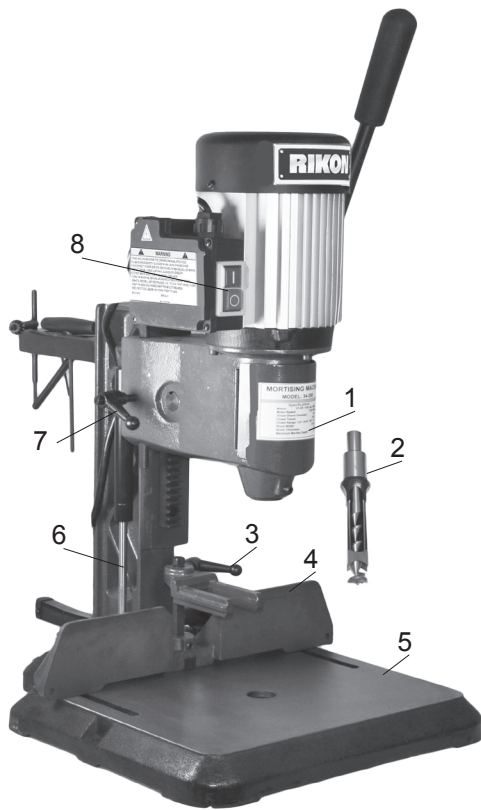
Do not turn your machine ON if any of these items are missing. You may cause injury to yourself or damage to your machine. If parts are missing contact RIKON customer service at 877-884-5167 or techsupport@rikontools.com.



Item	Description	Item	Description
1	Feed Handle	8	Hold Down
2	Tool Holder	9	Hold Down Locking Handle
3	1/4" Mortising Chisel and Bit	10	Gas Return Strut
4	5/16" Mortising Chisel and Bit	11	Hex Bolts M8-1.25 x 80 (4)
5	3/8" Mortising Chisel and Bit	12	Riser Block
6	1/2" Mortising Chisel and Bit	13	Hold Down Support Rod (Long)
7	Hold Down Support Rod (Short)	14	Owner's Manual



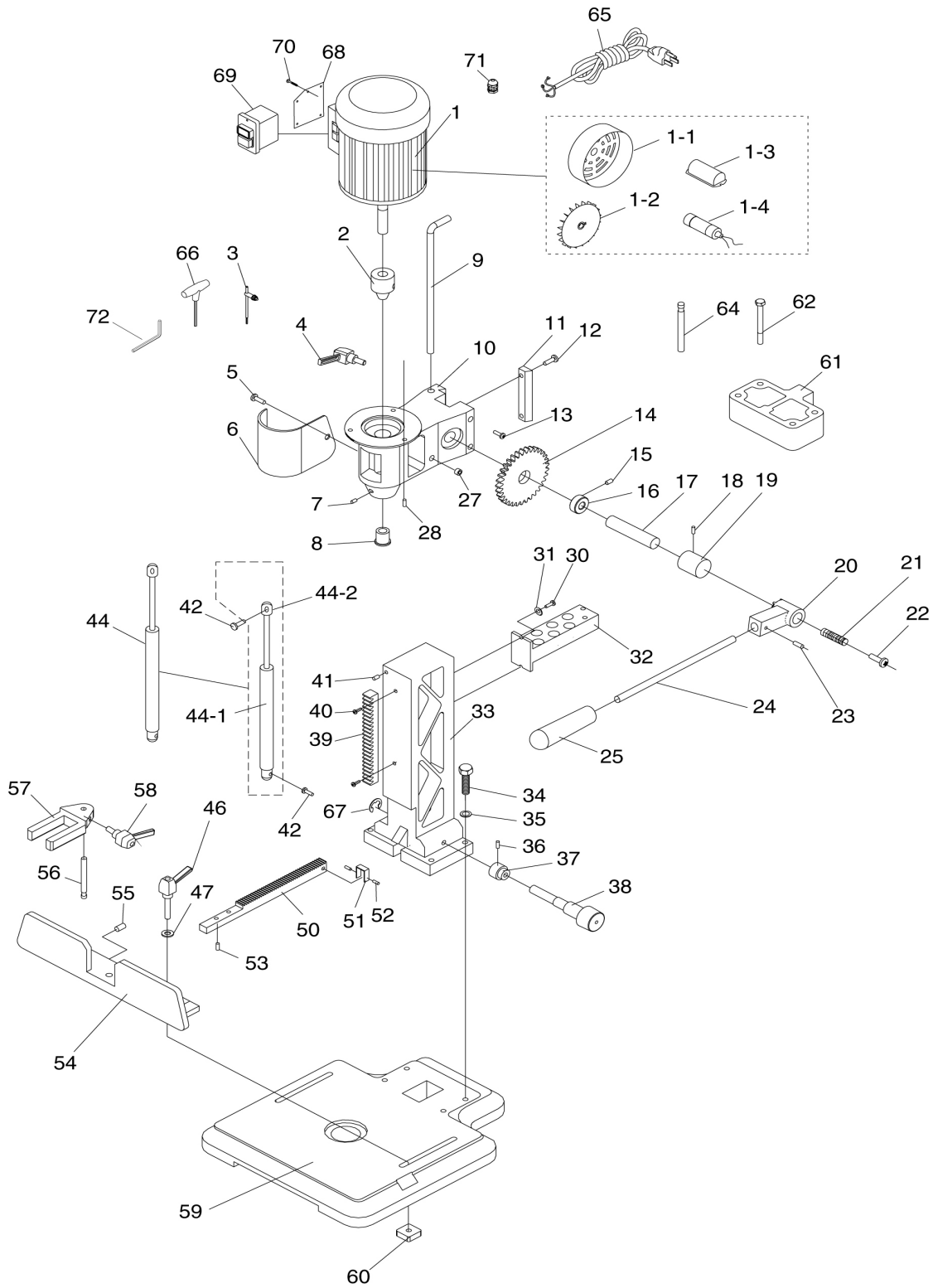
Getting to Know Your Mortising Machine



Item	Description
1	Chuck Access Cover
2	Chisel and Drill Bit
3	Hold Down Lock Lever
4	Fence
5	Base
6	Gas Return Strut
7	Depth Stop Lock Lever
8	On/Off Switch

Item	Description
9	Feed Handle
10	Motor
11	Depth Stop Rod
12	Tool Holder
13	Column
14	Fence Adjustment Knob
15	Fence Lock Lever (x2)
16	Hold Down

Explosion Diagram



Parts List

KEY No.	Description	KEY No.	Description
34-250-1	MOTOR 1/2 HP 110V	34-250-34	HEX BOLT M8-1.25 X 25
34-250-1-1	FAN COVER	34-250-35	FLAT WASHER 8MM
34-250-1-2	FAN	34-250-36	SET SCREW M8-1.25 X 20
34-250-1-3	CAPACITOR COVER	34-250-37	GEAR
34-250-1-4	CAPACITOR 25M 300V 2-7/8 X 1-3/8	34-250-38	FENCE ADJUSTMENT KNOB
34-250-2	CHUCK JT#2 0-3/8"	34-250-39	RACK
34-250-3	CHUCK KEY/HEX WRENCH 4MM	34-250-40	CAP SCREW M6-1 X 15
34-250-4	LOCK LEVER M8-1.25 X 20	34-250-41	ALIGNMENT PIN
34-250-5	PHLP HD SCR M4-.7 X 8	34-250-42	BALL END
34-250-6	CHUCK ACCESS COVER	34-250-44	GAS SPRING ASSEMBLY
34-250-7	SET SCREW M8-1.25 X 20	34-250-44-1	CYLINDER
34-250-8	BUSHING 5/8"	34-250-44-2	COLUMN ADAPTER
34-250-8-1	BUSHING 3/4"	34-250-46	LOCK LEVER M8-1.25 X 50
34-250-9	DEPTH STOP ROD	34-250-47	FLAT WASHER 8MM
34-250-10	HEADSTOCK	34-250-50	RACK
34-250-11	DOVETAIL GIB	34-250-51	BRACKET
34-250-12	CAP SCREW M8-1.25 X 20	34-250-52	SET SCREW M8-1.25 X 10
34-250-13	PHLP HD SCR M8-1.25 X 10	34-250-53	SET SCREW M8-1.25 X 20
34-250-14	GEAR	34-250-54	FENCE
34-250-15	SPECIAL SCREW	34-250-55	SET SCREW M8-1.25 X 10
34-250-16	SPACER	34-250-56	SHORT HOLD DOWN ROD 104MM
34-250-17	SHAFT	34-250-57	HOLD DOWN
34-250-18	ROLL PIN 6 X 30	34-250-58	LOCK LEVER M8-1.25 X 20
34-250-19	CLUTCH	34-250-59	BASE
34-250-20	CLUTCH COLLAR	34-250-60	SQUARE NUT M8-1.25
34-250-21	COMPRESSION SPRING	34-250-61	EXTENSION BLOCK
34-250-22	SHOULDER BOLT M10-1.5 X 15	34-250-62	HEX BOLT M8-1.25 X 80
34-250-23	ROLL PIN 6 X 20	34-250-64	LONG HOLD DOWN ROD 145MM
34-250-24	HANDLE	34-250-65	POWER CORD 18AWG X 3C
34-250-25	RUBBER GRIP	34-250-66	T-HANDLE HEX WRENCH 4MM
34-250-27	MAGNET	34-250-67	E-CLIP 7MM
34-250-28	CAP SCREW M5-.8 X 16	34-250-68	SWITCH COVER
34-250-30	PHLP HD SCR M6-1 X 16	34-250-69	SWITCH
34-250-31	FLAT WASHER 6MM	34-250-70	TAP SCREW M4 X 14
34-250-32	TOOL STORAGE RACK	34-250-71	STRAIN RELIEF
34-250-33	COLUMN ASSEMBLY	34-250-72	HEX WRENCH 8MM

RIKON

POWER TOOLS

5-Year Limited Warranty

RIKON Power Tools Inc. ("Seller") warrants to only the original retail consumer/purchaser of our products that each product be free from defects in materials and workmanship for a period of five (5) years from the date the product was purchased at retail. This warranty may not be transferred.

This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs, alterations, lack of maintenance or normal wear and tear. Under no circumstances will Seller be liable for incidental or consequential damages resulting from defective products. All other warranties, expressed or implied, whether of merchantability, fitness for purpose, or otherwise are expressly disclaimed by Seller. This warranty does not cover products used for commercial, industrial or educational purposes.

This limited warranty does not apply to accessory items such as blades, drill bits, sanding discs or belts and other related items.

Seller 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 products.

To take advantage of this warranty proof of purchase documentation, which includes date of purchase and an explanation of the complaint, must be provided.

The Seller reserves the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever.

To take advantage of this warranty, please fill out the enclosed warranty card and send it to:
RIKON Warranty
16 Progress Rd.
Billerica, MA 01821

The card must be entirely completed in order for it to be valid. If you have any questions please contact us at 877-884-5167 or warranty@rikontools.com.

RIKON **POWER TOOLS**

**For more information:
16 Progress Rd
Billerica, MA 01821**

**877-884-5167 / 978-528-5380
techsupport@rikontools.com
www.rikontools.com**