

# Maimin® Model 59 & 87 Varispeed & Cyclone Varispeed



R59-XXVB / R59-XXVS / R87-XXVB / R87-XXVS

Round Knife Cutter Manual – Safety, Operation, Maintenance & Parts List

**Do not discard this document! Make accessible and educate all personnel.**



## WARNING

Read and understand this machine manual before operating your Maimin cutting tool. Follow all safety rules for the protection of operating personnel as well as adjacent areas. Always operate, inspect and maintain this machine in accordance with the American National Standards Institute (ANSI) Safety Code.

## SAFETY LEGEND

### WARNING



Read and understand tool manual before work starts to reduce risk of injury to operator.

### WARNING



Practice safety requirements. Work alert, have proper attire, and do not operate tools under the influence of drugs, alcohol or medication.

### WARNING



Eye protection must be worn at all times. Eye protection to conform to ANSI Z87.1.

### WARNING



Ear protection to be worn when exposure to sound exceeds the limits of applicable Federal, State or Local statutes, ordinances and/or regulations.

### WARNING



Respiratory protection to be used when exposed to contaminants that exceed the applicable threshold limit values required by law.

### WARNING



Sharp blade hazard. Blade is very sharp even when the tool is not in operation. Keep fingers, hands, body parts and clothing away from blade at all times

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## **SAFETY INSTRUCTIONS**

Carefully read all instructions before operating or servicing any Maimin® Cutting Tool. Products offered by Maimin are not to be modified, converted or otherwise altered from the original design.

**Tool Intent:** Maimin round knife cutters are ideal for cutting lays of woven and non-woven fabrics and synthetic materials.

**Do not use tool for anything other than its intended applications.**

**This power tool is not intended for use in potentially explosive atmospheres and is not insulated against contact with electrical power.**

**Do not leave machine unattended when on and connected to power.**

**Do not leave the machine until it has come to a complete stop.**

**Do not disassemble machine. Take to a qualified serviceperson for repair.**

**Keep hands, fingers and all body parts away from blade and moving parts. Never operate tool without guards.**

**Keep hands dry, clean and free from oil or grease. Do not use machine in a damp or wet location.**

**Keep machine clean and blade sharp for best and safest performance.**

**Keep work area clean and well lit – cluttered areas and tables invite accidents.**

**Knife key, hand tools and other wrenches must be removed before starting motor.**

**Training:** Proper care and maintenance of your cutting tools will maximize their performance.

- Employers Responsibility – Provide Maimin round knife operators with safety instructions and proper training for safe use of tools and accessories.

**Accessory Selection:**

- Blade RPM rating MUST be approved for AT LEAST the tool RPM rating.
- Before mounting blade, visually inspect for defects. Do not use defective blade.
- Use only Maimin original blades and sharpening stones.

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## **ELECTRICAL REQUIREMENTS AND SAFETY**

**Grounding Instructions:**

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electrical currents and reduces the risk of electrical shock. This machine is equipped with an electrical cord that has an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching receptacle that is properly installed and grounded in accordance with all local codes and ordinances.

**DO NOT MODIFY THE PLUG PROVIDED.** If it will not fit the receptacle, have a qualified electrician install a proper receptacle.

**IMPROPER CONNECTION** of the equipment grounding conductor can result in risk of electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the electrical cord or plug is necessary, do not connect the equipment grounding conductor to a live terminal.

**CHECK** with a qualified electrician or service person if you do not completely understand the grounding instructions, or if you are not certain the tool is properly grounded.

**USE** only three-wire extension cords that have three-pronged grounding plugs with three-pole receptacles that accept the tool's plug. Repair or replace damaged or worn cords immediately.

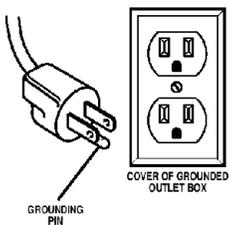
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## ELECTRICAL REQUIREMENTS AND SAFETY (continued)

### Guidelines for extension cords:

**USE THE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. Use an extension cord heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power, overheating and burning out of the motor. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord. Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified technician before using it. Protect your extension cords from sharp objects, excessive heat and damp or wet areas. Use a separate electrical circuit for your tool. This circuit must not be less than #12 wire with a 20 A time-lag fuse or a #14 wire with a 15 A time-lag fuse.

**NOTE:** When using an extension cord on a circuit with a #14 wire, the extension cord must not exceed 25 feet in length. Before connecting the machine to the power line, make sure the switch is in the off position and the electric current is rated the same as the current stamped on the machine nameplate. Running at a lower voltage will damage the motor. This tool is intended for use on a circuit that has a receptacle like the one illustrated in Fig. 1 or a similar standard outlet for 220v operation.



**Fig. 1** shows a three-pronged electrical plug and receptacle that has a grounding conductor. If a properly grounded receptacle is not available, an adapter can be used to temporarily connect this plug to a two-contact grounded receptacle. The adapter has a rigid lug extending from it that **MUST** be connected to a permanent earth ground, such as a properly grounded receptacle box. For 220v operation, the ground is a center lug on the plug face between the terminal pins or the center lug screw inside the plug adapter provided with your machine.

Figure 1

**CAUTION:** In all cases, make certain the receptacle is properly grounded. If you are not sure, have a qualified electrician check the receptacle.

**CAUTION:** This tool is for indoor use only. Do not expose to rain or use in damp locations.

**CAUTION:** This tool must be grounded while in use to protect the operator from electric shock.

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## CARTON CONTENTS

### Machine:

Your new Maimin Variable Speed Round Knife should be carefully unpacked. **Sharp blade hazard.** Blade is very sharp even when the tool is not in operation. Keep fingers, hands, body parts and clothing away from blade at all times.

### Power Cord or Power Adapter:

The power supply for your new Maimin round knife will either come as a corded plug (ready for an outlet or extension cord), or an adapter specially made to fit your Maimin machine. The adapter must be properly connected in accordance with the instructions listed above in the "Electrical Requirements & Safety" section.

### Grease:

A tube of Maimin grease has been provided for proper maintenance. See section, "Care & Maintenance" below for instructions and a maintenance schedule.

### Knife Key:

A knife key has been provided for easy removal and changing of the blade. See section "Changing the Blade" below for proper instructions.



If any machine component or part is missing or damaged, do not attempt to assemble the machine or plug in the power cord, or turn the switch ON until the missing or damaged part is obtained and is installed correctly. Call 1-800-243-4645 for missing or damaged parts.

## Motor Ratings

Quick Specs	All Varispeed Models	All Varispeed Cyclone Models
Input HP	1/4	1/8
Amps	2.6	1.3
Voltage	90	90-130
Input Watts	170	93
Gear Ratio	N/A	5:1
RPM	3322	300
CE	Yes	Yes
UL	Yes	Yes
CSA	Yes	Yes
IP Rating	43	43
ROHS	Yes	Yes
Insulation Class	F	F
Duty Cycle	Continuous	Continuous

## OPERATION AND USAGE

### General:

Your new Maimin round knife machine is delivered ready for operation. Simply connect the machine to an electrical outlet of the same voltage as on the nameplate of the machine and begin cutting. **Caution:** Do not connect the machine or cut at this point. Read all instructions prior to any usage of the machine. Be sure all guards are properly installed and in place prior to any operation.

### Sharpeners Available:

There are two types of sharpening devices available for the round knife machines. The sharpener most generally used is the *gliding grinder* in which the stones are set perpendicular to the knife. It sharpens a faster cutting edge. The *#15 grinder* utilizes slightly larger stones which are almost parallel to the knife. This type of sharpener gives a smoother cutting edge for cutting sheer fabrics, synthetics or plastics.

### Knives Available:

The cutting knives are offered in carbon steel and high speed steel. Carbon steel knives are used for cutting most materials, however, hard materials such as fiberglass and heavy canvas tend to dull the carbon steel more quickly. The use of high speed steel knives on said hard materials will keep a sharp cutting edge longer.

	Carbon Steel	High Speed Steel
Model 59	30307	30324
Model 87	30311	30326

**Caution:** Always disconnect machine from power supply when not in use, before and during servicing, and when changing the blade.

### To Start Machine:

The dial located on the top of the machine will turn the machine on and off. This dial is a sensitive potentiometer that will also control the speed of the blade. Blade speed can be adjusted at any time while machine is running. **Caution:** Changing the blade speed while cutting or during other machine usage can be distracting to the operator. Keep fingers, hands, body parts and clothing away from blade at all times.

### To Cut:

Loosen the guard carrier screw (B248) slightly, or use the thumb handle to raise the knife guard (B247) or other guarding to just above the height of the lay. The guarding should only be slightly above the top of the lay for operator safety. When the machine is not in use, all guarding should be lowered to the roller plate so that no accidental contact can be made with the blade. **Caution:** Knife guards protect the operator from accidental contact with the blade and other rotating parts. The knife can never be fully guarded because it must be open to the cutting area. **Never remove the guards and/or operate the machine without the guards in place.** Keep fingers, hands, body parts and clothing away from blade at all times.

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## OPERATION AND USAGE (continued)

To Sharpen Knife:

With the motor running, firmly depress the grinder trigger (B204) until both emery stones turn against the knife. When sharpening the knife with the #15 Grinder, it is important that a light but constant finger pressure be used on the trigger to maintain the same width of sharpened bevel on the knife. **Caution:** Sharpening the blade can be distracting to the operator. Keep fingers, hands, body parts and clothing away from blade at all times.

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## CARE & MAINTENANCE

### Maintenance Schedule:

#### Monthly:

**Caution:** Maintenance should be performed by a trained technician. Much of the maintenance described in this section requires the motor and sharp blade to be turning. Keep fingers, hands, body parts and clothing away from blade at all times.

**Grease gear:** Grease the gear (B239) and pinion (B202) monthly by turning the grease cup (B215) on the side of the standard one complete turn. When the grease cup is empty, unscrew it completely, fill it with grease and replace. The grease to be used is part number 22028A and is supplied in a two ounce plastic dispenser. The motor bearings are sealed and do not require any lubrication.

**Clean sharpening stones:** After repeated use, the sharpening stones (B259) become coated with grease and dirt and will no longer sharpen the knife effectively. To remove this coating, spray brake cleaner directly onto the stones or put a little fluid on a brush and scrub the stones. Engage the sharpener. The dirt and excess cleaner may be flung off and consequently, this process should not be done near goods or materials that might be stained or ruined. Do not use flammable cleaning fluid.

**Clean motor:** Over a period of time, dust and lint will build up inside the motor and prevent proper cooling. With the motor running, point a stream of dry compressed air into the side of the motor vents to eject the dust and lint.

#### Every Six Months:

**Clean Rollers:** If the rollers (B230) in the roller plate (B224) do not roll freely, blow out the dust or dirt in the rollers using dry compressed air. Do not use oil as this will collect dirt and cause the rollers to bind. Clean with brake cleaner if necessary. Lubricate with powdered graphite should this be necessary.

### Other Maintenance:

Changing the stones:

**Caution:** The machine should be disconnected from power and all guards should be full engaged.

**Gliding Grinder:** First remove the knife. Loosen the stone lock screw (B254). Unscrew the stone adjusting screw (B257) until the stone with bushing (B259) slides out the end of the slot in the grinder frame (B258). Remove the stone lock screw, and pull the stone with bushing out of the grinder frame. Be careful not to lose the coil spring (B256) and the washer (B255). When installing the new stone with bushing, slide the neck of the stone with bushing into the slot, first making sure that the coil spring is in its position between the neck of the stone bushing and the stud on the inside of the slot. The stone lock screw shall then be fitted through the washer and screwed into the stone bushing.

**#15 Grinder:** Loosen the four frame arch screws (B346) and remove the top two. The frame arch can then be pulled out slightly and rotated downwards. It is possible to remove the two frame arches completely, however, care should be taken not to interchange the two arches. The #15 grinder stones with bushings (B345) may then be lifted out together with the adjusting bushings (B339) and the stone shaft (B344). The bushings are removed from the end of the shaft and then the two #15 grinder stones with bushings are slid off the shaft. When putting on the new stones with bushings, make sure that the stone shaft spring (B343) is on the shaft between the two stones with bushings. The adjusting bushings are then put into place behind the sharpening stones, and the entire assembly is replaced onto the grinder frame (B347). The frame arches are fitted properly over the adjusting bushings but are not yet locked into place until the sharpener stones have been adjusted.

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## CARE & MAINTENANCE (continued)

Changing the knife:

**Caution:** The machine should be disconnected from power. When working on or changing the blade, remember it is VERY SHARP and can cause serious injury or death even if the machine is not powered on and the blade is not rotating.

Lay the machine on its side. Loosen the two throat plate screws (B232) and slide the throat plate (B233) forward. Lift the check spring (B260) on top of the grinder frame (B258), and pull the frame to the end of the grinder track (B220) for sufficient clearance to remove or install the knife. Remove the knife lock (B245) by turning it counter-clockwise with the knife key. Do not use a screw driver or a punch to remove the knife lock and the gear bearing.

If the knife lock does not readily unscrew, point the knife key handle towards the handle of the machine and move the handle of the knife key down sharply striking it against the roller plate (B224). Repeat this action if necessary to continue to loosen the knife lock. To tighten the knife lock, point the key handle towards the knife guard and move the knife key handle downward sharply against the roller plate lip (B237).

A knife must be installed with the trademark or name and the bevel facing outward. The knife, with its specially shaped hole, must be fitted over the similarly shaped shoulder on the gear; and the knife must lie flat against the gear. Always wipe the knife clean before fitting it into the machine.

Removing the Gear:

**Caution:** The machine should be disconnected from power. When working on or changing the gear, remember the blade is VERY SHARP and can cause serious injury or death even if the machine is not powered on and the blade is not rotating.

Remove the knife as described above. Unscrew the gear cap (B246) by turning it counter-clockwise. Remove the gear screw (B244) by turning it clockwise (Note: this is a left handed thread and the screw can be broken off if you exert too much pressure in the wrong direction). Lift the thread seal (B242) off the gear. Remove the grease circulator (B221) by removing its two screws (B222). Lift out the gear with bearing.

**IMPORTANT:** When the spiral gear was mounted on the trunnion shaft, a few trunnion washers (B238) were placed behind the gear to create the proper mesh of the gear and pinion. The grease on the gear may cause the trunnion washer to stick to the bearing (or blend in with the grease). Do not lose the trunnion washers. Be certain to replace them on the trunnion shaft. If the gear is to be removed for any length of time, put the gear screw back in place so that the trunnion washers do not slip off.

### Adjustments and Repairs:

To adjust the sharpener:

**Caution:** When working on or changing the stones / sharpener, remember the blade is VERY SHARP and can cause serious injury or death even if the machine is not powered on and the blade is not rotating.

Gliding Grinder:

Unscrew the stone lock screw (B254) one turn and move the stones toward or away from the knife by turning the stone adjusting screw (B257). Tighten the stone lock screw once the stone is in the correct location. Both stones should begin revolving against the knife at approximately the same time when the trigger (B204) is pulled slowly. The ground bevel on the knife should be approximately the same width on both sides of the knife (about 1/16" or 1.6mm). The stones are move closer together to create a more narrow bevel and further away to create a wider bevel.

#15 Grinder:

Loosen the frame arch screws (B346). Turn the adjusting bushing (B339) to move the stones towards or away from the knife. The stones should rotate against the knife at approximately the same time when the grinder trigger is pulled slowly. The ground bevel on the knife should be approximately the same width on both sides of the knife (about 3/32" or 2.4mm). When the stones are adjusted correctly, tighten the frame arch screws to lock the stones into position.

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## CARE & MAINTENANCE (continued)

To adjust the throat plate:

**Caution:** When working on or adjusting the throat plate, remember the blade is VERY SHARP and can cause serious injury or death even if the machine is not powered on and the blade is not rotating.

As the knife wears, adjust the throat plate (B233) towards the knife so that the space between the edge of the knife and the front of the slot is about 1/16" of 1.6mm. The knife should be in the middle of the throat plate slot. Adjust the throat plate by loosening the two throat plate screws (B232) which are underneath the roller plate (B224).

Press in the throat plate lock (B235) to slide it along the lip in the desired position. When the throat plate is in the correct location, release the throat plate lock to catch between the teeth on the lip spring. Tighten the throat plate screws.

To adjust play in the gear:

**Caution:** The machine should be disconnected from power. When working on or changing the gear, remember the blade is VERY SHARP and can cause serious injury or death even if the machine is not powered on and the blade is not rotating.

The gear (B239) and pinion (B202) are lapped together initially to obtain a close fit. Over a period of time, the gear and pinion wear so that there may be an increase in play (or backlash) between the teeth. Provided that the gear bearing is in good condition (minimal side to side movement on the knife), the backlash between the teeth can be reduced by removing one or two of the trunnion washers (B238). Remove the gear (see instructions above) and remove the thinnest trunnion washer. These trunnion washers are available in two thicknesses. It is advisable to remove the thinnest trunnion washer first in order to check to see if the backlash has been minimized. There must always be a slight amount of backlash or the gears will not properly run together. After removing the trunnion washer, it is necessary to replace the gear screw to check the backlash.

To replace the gear bearing:

**Caution:** The machine should be disconnected from power. When working on or changing the gear bearing, remember the blade is VERY SHARP and can cause serious injury or death even if the machine is not powered on and the blade is not rotating.

The gear (B239) must be removed from the machine (see instructions above). The bearing lock (B241) must be unscrewed using the knife key. The bearing (B240) is removed from the gear by tapping it slightly from the opposite side with a small mallet. Care must be taken not to injure the teeth of the gear. When the bearing is removed, clean the inside seat of the gear and oil it lightly. The new gear bearing may be pressed into the gear by lightly tapping its outside rim so as not to damage the balls inside the bearing. To make sure the bearing is seated firmly in the gear, place the old bearing on top on the new one and tap the outside rim of the old bearing to seat the new one completely into the gear. Lock the bearing into position by replacing the gear bearing lock.



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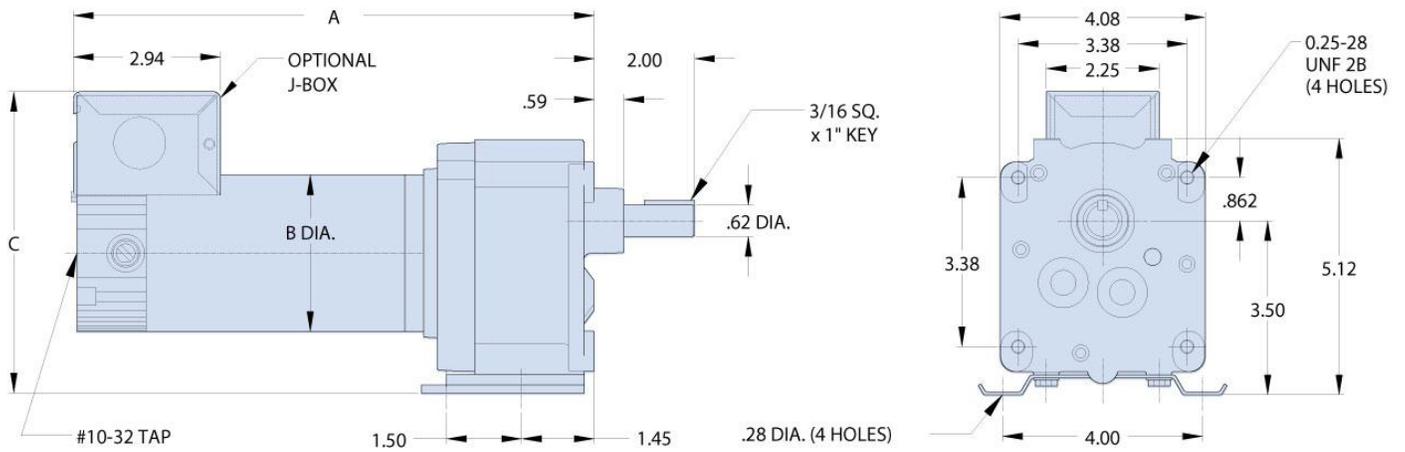
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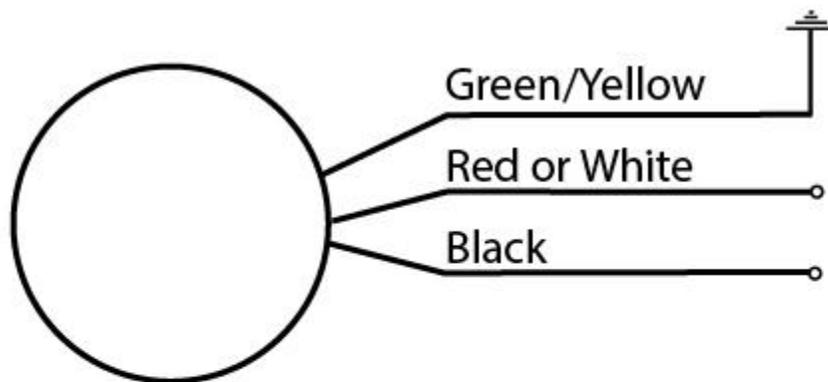
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## REPLACEMENT PARTS AND DIAGRAMS

### Round Knife Varispeed Cyclone Single Phase Motor All Voltages



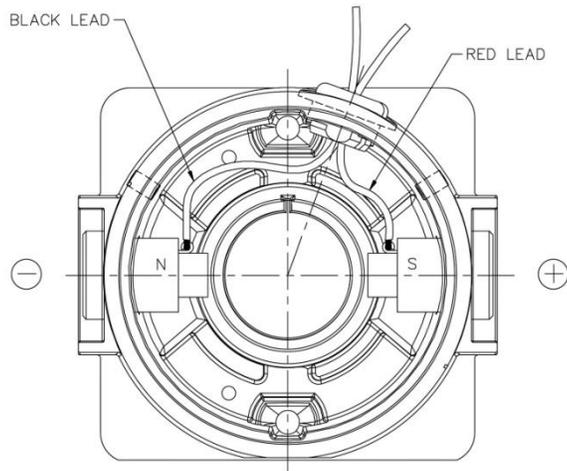
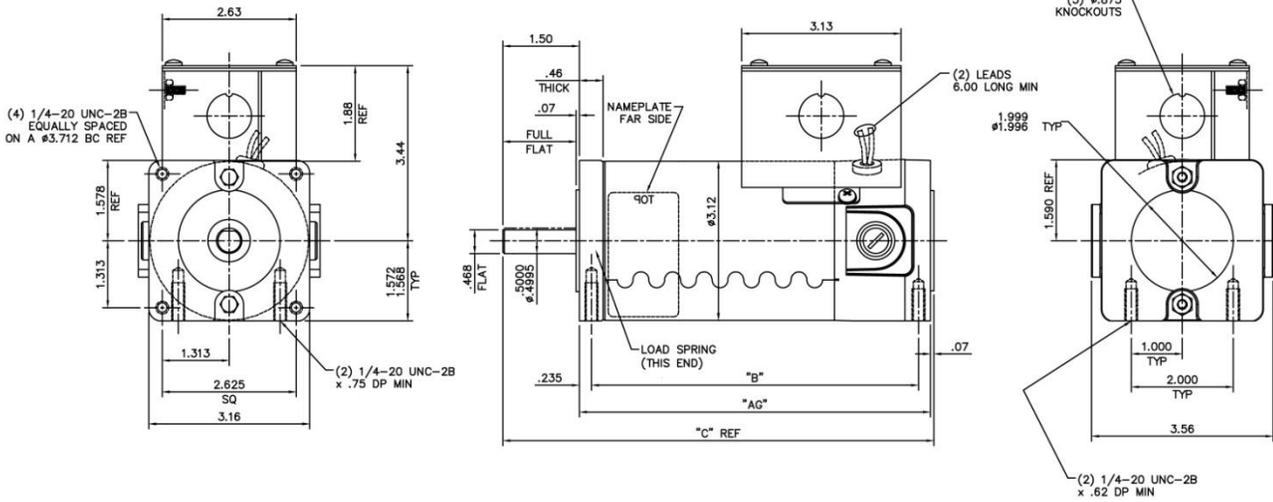
HP	A	B	C
1/20	8.53	2.58	5.60
1/8	10.34	3.13	6.02
1/4	12.27	3.38	6.23



To Reverse, interchange Red and Black leads.  
Note: Some motors have white and black leads.

## PMDC Motors

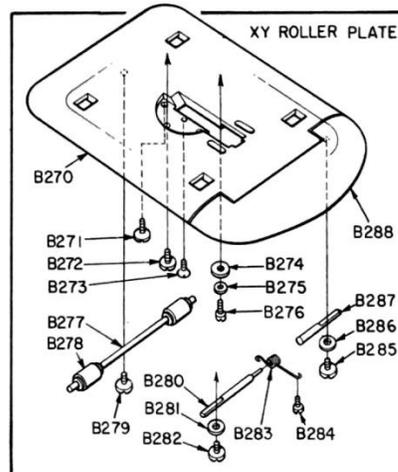
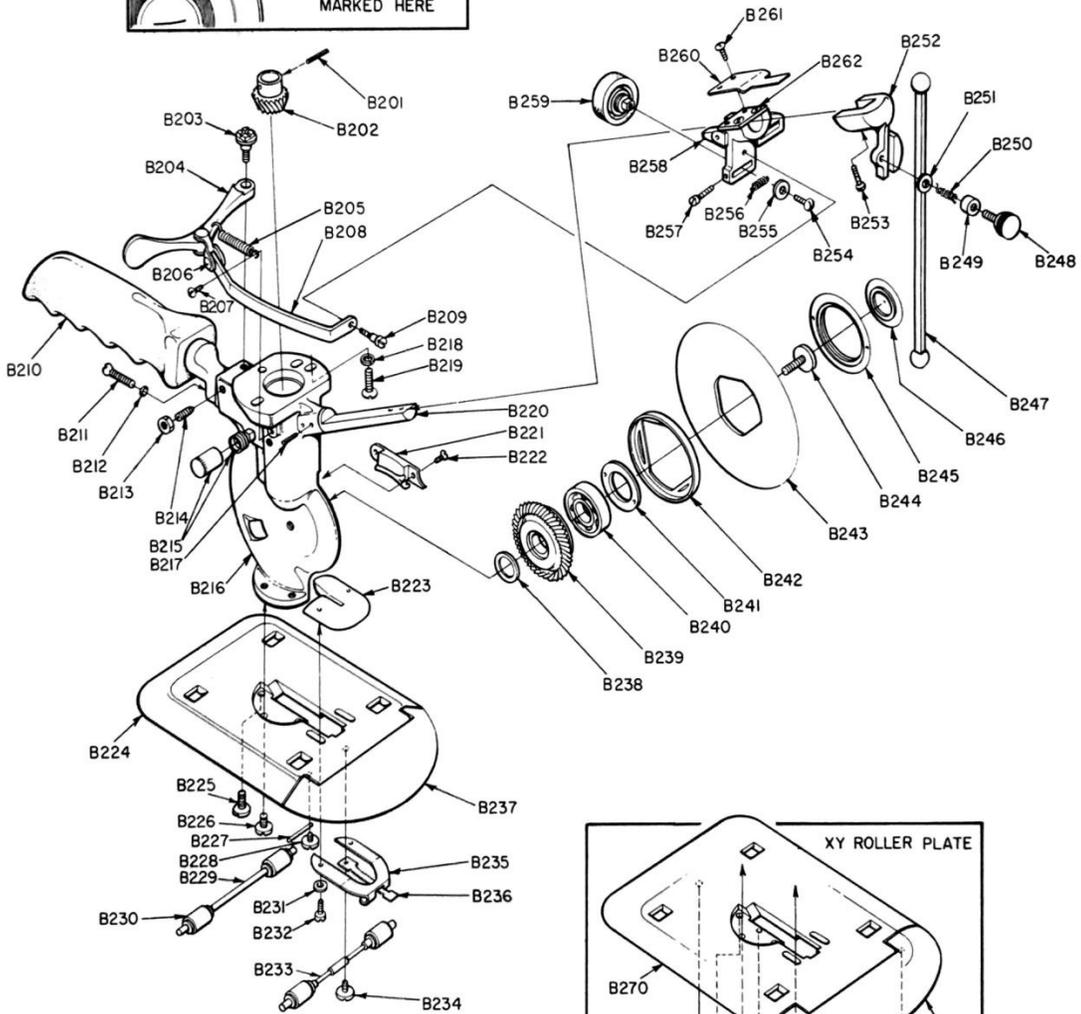
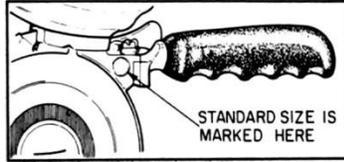
# Round Knife Varispeed Single Phase Motor All Voltages



EXTERNAL CONNECTIONS FOR CCW ROTATION  
VIEWING LEAD END OF MOTOR WITH RED LEAD  
POSITIVE (+) AND BLACK LEAD NEGATIVE (-).  
FOR CW ROTATION REVERSE POLARITY.

# STANDARD WITH GLIDING GRINDER & ROLLER PLATE

ALWAYS GIVE MACHINE SERIAL NUMBER WHEN ORDERING PARTS. ORDER BY PART NUMBER – NOT KEY NUMBER.

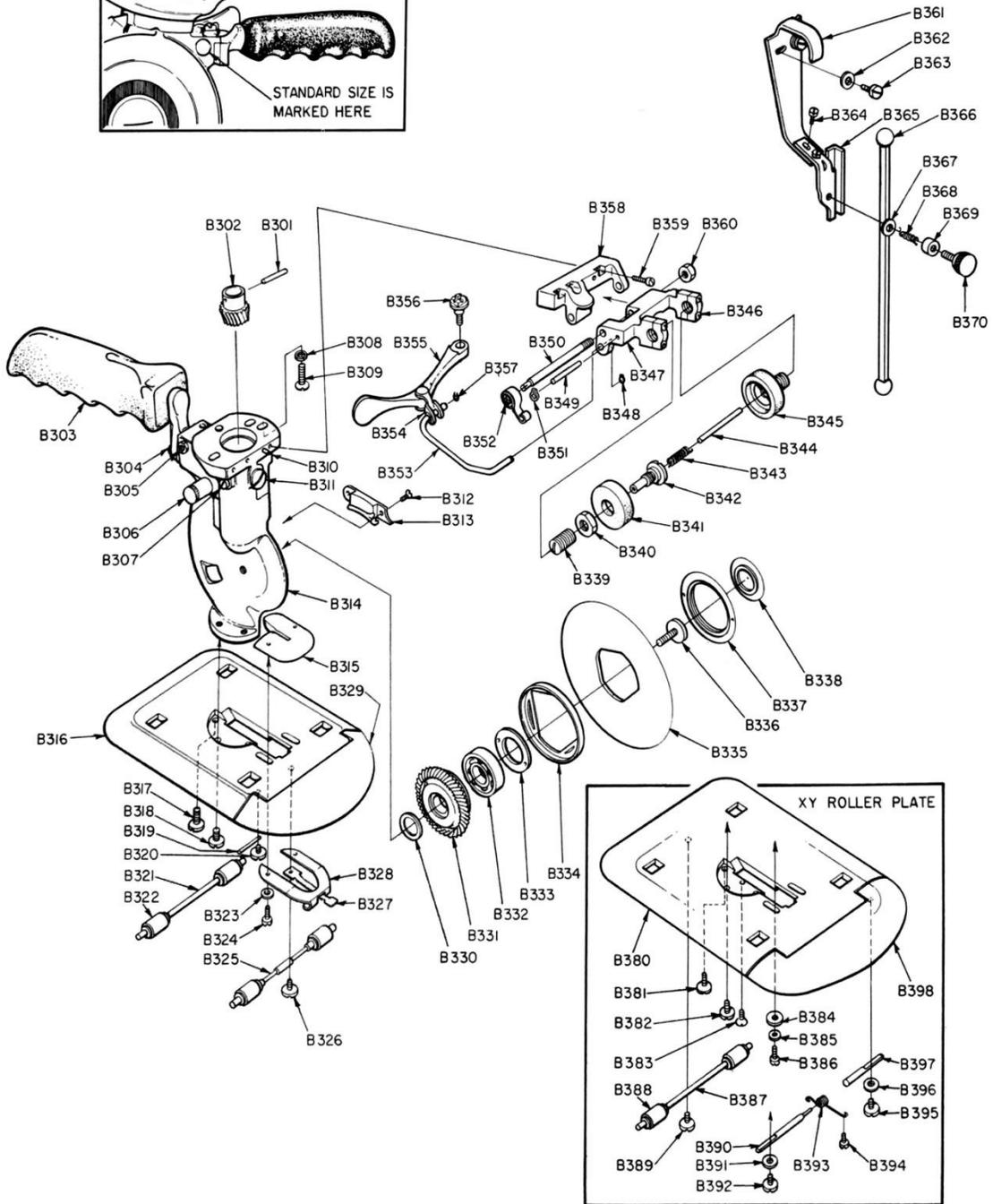
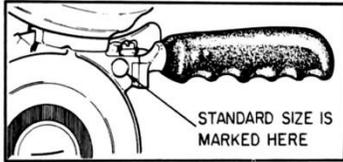


# PARTS LIST 3

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
B201	323PJ	Pinion Pin — #6 Pinion	B241	321J	Bearing Lock — #6
	323PA	Pinion Pin — all other pinions		321A	Bearing Lock — #9 or #248
B202	323J	Pinion — #6 (for standard marked R4 or 6)		321C	Bearing Lock — #5
	323H	Pinion — #9 (for standard marked 59)	B242	321CW	Washer, Bearing Lock — #5
	323M	Pinion — #248 (for standard marked 248)		347J	Thread Seal — #6
	323C	Pinion — #5 (for standard marked 86 or 87)		347A	Thread Seal — #9 or #248
B203	333	Trigger Screw	B243	347C	Thread Seal — #5
B204	332	Trigger		30303	Knife — 4" (for 54)
B205	334	Trigger Spring		30307	Knife — 5-1/4" (for 59)
B206	335K	Link Knuckle		30310	Knife — 6" (for 86)
B207	802S	Screw, 6 x 3/16 Bind. Hd.		30311	Knife — 7" (for 87)
B208	335A	Link — 4"		30322	Knife, High Speed Steel — 4"
	335B	Link — 59	B244	30324	Knife, High Speed Steel — 5-1/4"
	335C	Link — 86 & 87		30325	Knife, High Speed Steel — 6"
	335D	Link — 37		30326	Knife, High Speed Steel — 7"
	335XA	Link with 332, 334 — 4"		322J	Gear Screw — 4"
	335XB	Link with 332, 334 — 59	B245	322A	Gear Screw — 59
	335XC	Link with 332, 334 — 86 & 87		322C	Gear Screw — 86 & 87
	335XD	Link with 332, 334 — 37		326J	Knife Lock — 4"
B209	336	Link Screw		326A	Knife Lock — 59
B210	341C	Handle Assembly		326C	Knife Lock — 86 & 87
	341D	Offset Handle Assembly	B246	349J	Gear Cap — 4"
B211	342	Screw, 8 x 3/4 Oval Hd.		349A	Gear Cap — 59
B212	518W	Lock Washer	B247	329A	Knife Guard — 4"
B213	510B	Nut		329B	Knife Guard — 5-1/4"
B214	510C	Screw, 10 x 3/8 Set		329C	Knife Guard — 6"
B215	311G	Grease Cup		329D	Knife Guard — 7"
B216	318A	Standard — 6 (4")	B248	329S	Screw, Guard Carrier
	317H	Standard — 59 (5 1/4")	B249	329LC	Spring Cup
	317M	Standard — 248 (5 1/4")	B250	329LS	Spring
	317D	Standard — 86 (6")	B251	329LW	Washer
	317E	Standard — 87 (7")	B252	329L	Guard Carrier
B217	1256	Rollpin	B253	328Z	Screw, 6 x 7/16 Fil. Hd.
B218	311W	Lock Washer	B254	331S	Screw, 8 x 3/8 Rnd. Hd.
B219	311S	Screw, 12 x 5/8 Rnd. Hd.	B255	329LW	Washer
B220	328T	Track (except 4")	B256	328J	Coil Spring
	328V	Track (4")	B257	328Z	Screw, 6 x 7/16 Fil. Hd.
B221	348J	Grease Circulator — #6 (for standard marked 6)	B258	328F	Grinder Frame Only
	348A	Grease Circulator — #9 (for standard marked 59)		328	Grinder Frame with Stones
	348M	Grease Circulator — #248 (for standard marked 248)	B259	330	Stones with Bushing, Pair
	348C	Grease Circulator — #5 (for standard marked 86 or 87)		330N	Stones Only, Pair
B222	348S	Screw, 4 x 3/16 Flat Hd.	B260	328E	Check Spring
B223	313K	Throat Plate for 59, 37, 86 (W/337)	B261	822S	Screw, 6 x 1/4 Bind. Hd.
	313R	Throat Plate for 4", 87, 86 (W/337C)	B262	818S	Screw, 6 x 1/4 Flat. Hd.
	313H	Throat Plate, Hospital			XY ROLLER PLATE
	313N	Throat Plate, Neckwear	B270	337C	XY Roller Plate with Lip & Rollers 9-3/4" x 6-3/4" (24.7cm x 17.1 cm.)
B224	337	Roller Plate with Lip & Rollers — 8-1/4" x 5-1/2" (20.9 cm x 13.9 cm)	B271	340T	Standard Screw, Rear
B225	340T	Standard Screw, Rear	B272	340S	Standard Screw
B226	340S	Standard Screw	B273	427	Screw, 10 x 7/16 Flat Hd.
B227	337P	Lip Pin	B274	329LW	Washer
B228	340	Lip Screw	B275	438W	Washer
B229	339P	Roller Shaft with Rollers, Back	B276	313S	Screw, Throat Plate
B230	437	Roller Shell only	B277	339T	XY Roller Shafts with Rollers, Front & Back
B231	438W	Washer	B278	437	Roller Shell
B232	313S	Screw, Throat Plate	B279	340	Screw
B233	339M	Roller Shaft with Rollers, Front	B280	431A	Shaft for Lip, Long
B234	340	Lip Screw	B281	329LW	Washer
B235	313L	Throat Plate Lock	B282	340	Screw
B236	337J	Lip Spring	B283	433B	XY Lip Spring
B237	337L	Roller Plate Lip	B284	802S	Screw, 6 x 3/16 Bind. Hd.
B238	391	Trunnion Washer (Give Serial No.)	B285	340	Screw
B239	319J	Gear with Bearing — #6 (for standard marked R4 or 6)	B286	329LW	Washer
	319H	Gear with Bearing — #9 (for standard marked 59)	B287	431B	Shaft for Lip, Short
	319M	Gear with Bearing — #248 (for standard marked 248)	B288	430A	XY Roller Plate Lip
	319C	Gear with Bearing — #5 (for standard marked 86 or 87)			PARTS NOT ILLUSTRATED
B240	320J	Gear Bearing (200K) — #6		327K	Adjustable Knife Key
	320A	Gear Bearing (103) — #9 or #248		390A	Backguard — 54
	320C	Gear Bearing (104) — #5		390B	Backguard — 59
				390C	Backguard — 86
				390D	Backguard — 87
				390S	Backguard Screw
				22107	Tube of Grease

# STANDARD WITH #15 GRINDER & ROLLER PLATE

ALWAYS GIVE MACHINE SERIAL NUMBER WHEN ORDERING PARTS. ORDER BY PART NUMBER – NOT KEY NUMBER.



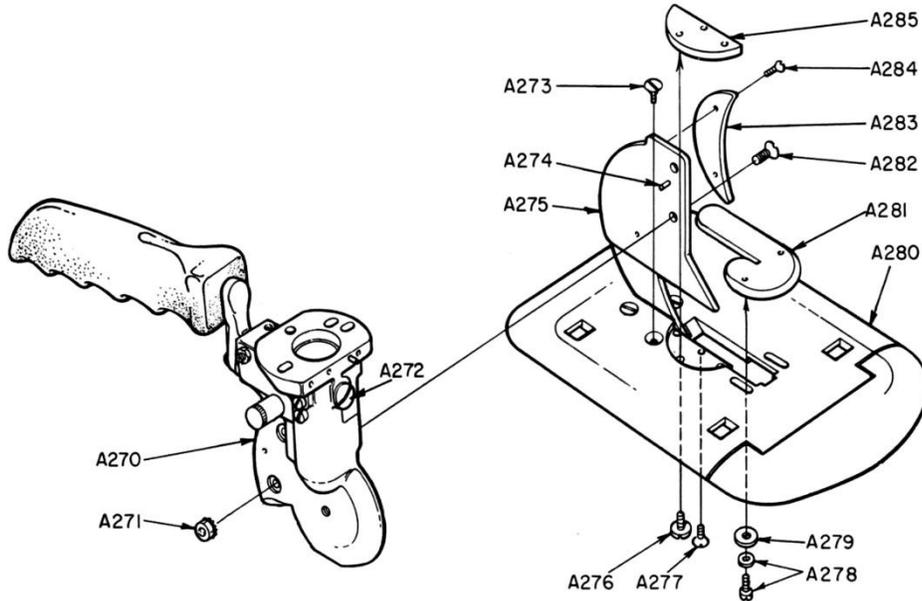
# PARTS LIST 4

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
B301	323PJ	Pinion Pin — #6 Pinion	B336	322J	Gear Screw — 4"
	323PA	Pinion Pin — all other pinions		322A	Gear Screw — 59
B302	323J	Pinion — #6 (for standard marked 6)		322C	Gear Screw — 86 & 87
	323H	Pinion — #9 (for standard marked 59)	B337	326J	Knife Lock — 4"
	323M	Pinion — #248 (for standard marked 248)		326A	Knife Lock — 59
	323C	Pinion — #5 (for standard marked 86 or 87)		326C	Knife Lock — 86 & 87
B303	341C	Handle Assembly	B338	349J	Gear Cap — 4"
	341D	Offset Handle Assembly		349A	Gear Cap — 59
B304	342	Screw, 8 x 3/4 Oval Hd.	B339	383A	Adjusting Bushing
	518W	Lock Washer	B340	415N	Nut
B305	510C	Screw, 10 x 3/8 Set	B341	381A	#15 Grinder Stones only, pair
	510B	Nut	B342	382	Tail Bushing
B306	311G	Grease Cup	B343	381T	Spring, Stone Shaft
B307	802S	Screw, 6 x 3/16 Bind. Hd.	B344	381S	Stone Shaft
B308	311W	Lock Washer	B345	381	#15 Grinder Stones with Bushings, pair
B309	311S	Screw, 12 x 5/8 Rnd. Hd.	B346	385S	Screw, 6 x 1/2 Fil. Hd.
B310	805P	Rollpin	B347	384	#15 Grinder Frame only
B311	421	Cap Screw		380	#15 Grinder Complete with Frame, Bracket & Stones
B312	348S	Screw, 4 x 3/16 Flat Hd.		380A	#15 Grinder Complete for 37
B313	348J	Grease Circulator — #6 (for standard marked 6)	B348	1341	Retaining Ring
	348A	Grease Circulator — #9 (for standard marked 59)	B349	423P	Pin
	348M	Grease Circulator — #248 (for standard marked 248)	B350	386B	#15 Grinder Shaft
	348C	Grease Circulator — #5 (for standard marked 86 or 87)	B351	840D	Retaining Ring
B314	388T	Standard for #15 Grinder — 6 (4")	B352	386	Coil Spring
	388H	Standard for #15 Grinder — 59 (5-1/4")	B353	387	#15 Grinder Link
	388W	Standard for #15 Grinder — 248 (5-1/4")	B354	335K	Link Knuckle
	388D	Standard for #15 Grinder — 86 (6")	B355	332	Trigger
	388E	Standard for #15 Grinder — 87 (7")	B356	333	Trigger Screw
B315	313K	Throat Plate for 59, 37, 86 (w/337C)	B357	1341	Retaining Ring
	313R	Throat Plate for 4", 87, 86 (w/337C)	B358	385	#15 Grinder Bracket
	313H	Throat Plate, Hospital		385T	#15 Grinder Bracket for 37
	313N	Throat Plate, Neckwear	B359	385S	Screw, 6 x 1/2 Fil. Hd.
B316	337	Roller Plate with Lip & Rollers — 8-1/4" x 5-1/2" (20.9 cm x 13.9 cm.)	B360	838N	Nut
B317	340T	Standard Screw, Rear	B361	310F	#15 Grinder Gooseneck
B318	340S	Standard Screw		310K	Gooseneck for 3 phase motor
B319	337P	Lip Pin	B362	329LW	Washer
B320	340	Lip Screw	B363	310H	Screw, 8 x 5/16 Bind. Hd.
B321	339P	Roller Shaft with Rollers, Back		310B	Screw, (3 phase), 8 x 1-3/8 Fil. Hd.
B322	437	Roller Shell Only	B364	802S	Screw, 6 x 3/16 Bind. Hd.
B323	438W	Washer	B365	389	#15 Grinder Guard Carrier
B324	313S	Screw, Throat Plate	B366	329A	Knife Guard — 4"
B325	339M	Roller Shaft with Rollers, Front		329B	Knife Guard — 5-1/4"
B326	340	Lip Screw		329C	Knife Guard — 6"
B327	337J	Lip Spring		329D	Knife Guard — 7"
B328	313L	Throat Plate Lock	B367	329LW	Washer
B329	337L	Roller Plate Lip	B368	329LS	Spring
B330	391	Trunnion Washer (Give Serial No.)	B369	329LC	Spring Cup
B331	319J	Gear with Bearing — #6 (for standard marked 6)	B370	329S	Screw, Guard Carrier
	319H	Gear with Bearing — #9 (for standard marked 59)			XY ROLLER PLATE
	319M	Gear with Bearing — #248 (for standard marked 248)	B380	337C	XY Roller Plate with Lip & Rollers — 9-3/4" x 6-3/4" (24.7 cm x 17.1 cm)
	319C	Gear with Bearing — #5 (for standard marked 86 or 87)	B381	340T	Standard Screw, Rear
B332	320J	Gear Bearing (200K) — #6	B382	340S	Standard Screw
	320A	Gear Bearing (103) — #9 or #248	B383	427	Screw, 10 x 7/16 Flat Hd.
	320C	Gear Bearing (104) — #5	B384	329LW	Washer
B333	321J	Bearing Lock — #6	B385	438N	Washer
	321A	Bearing Lock — #9 or #248	B386	313S	Screw, Throat Plate
	321C	Bearing Lock — #5	B387	339T	XY Roller Shaft with Rollers, Front & Back
	321CW	Washer, Bearing Lock — #5	B388	437	Roller Shell Only
B334	347J	Thread Seal — #6	B389	340	Screw
	347A	Thread Seal — #9 or #248	B390	431A	Shaft for Lip, Long
	347C	Thread Seal — #5	B391	329LW	Washer
B335	30303	Knife — 4" (for 54)	B392	340	Screw
	30307	Knife — 5-1/4" (for 59)	B393	433B	XY Lip Spring
	30310	Knife — 6" (for 86)	B394	802S	Screw, 6 x 3/16 Bind. Hd.
	30311	Knife — 7" (for 87)	B395	340	Screw
	30322	Knife, High Speed Steel — 4"	B396	329LW	Washer
	30324	Knife, High Speed Steel — 5-1/4"	B397	431B	Shaft for Lip, Short
	30325	Knife, High Speed Steel — 6"	B398	430A	XY Roller Plate Lip
	30326	Knife, High Speed Steel — 7"			PARTS NOT ILLUSTRATED
					Adjustable Knife Key
					Backguard - 54
					Backguard - 59
					Backguard - 86
					Backguard - 87
					Backguard Screw
					Tube of Grease

# MAIMIN®

## SLITTER STANDARD

(see Maimin Round Knife Instructions & Parts List Catalog for all other parts)



KEY NO.	PART NO.	DESCRIPTION
A270	395H	Slitter Standard – 54 (Give Serial No.)
	395HX	Slitter Standard with Support – 54
	395A	Slitter Standard – 59 (Give Serial No.)
	395AX	Slitter Standard with Support – 59
	395C	Slitter Standard – 86 (Give Serial No.)
	395CX	Slitter Standard with Support – 86
	395E	Slitter Standard – 87 (Give Serial No.)
	395EX	Slitter Standard with Support – 87
A271	836N	Nut with Lock Washer
A272	421	Cap Screw
A273	427	Screw, 10 x 7/16 Flat Hd.
A274	395P	Pin – Support to Standard
A275	396H	Support for Slitter Standard – 54
	396A	Support for Slitter Standard – 59
	396C	Support for Slitter Standard – 86
	396E	Support for Slitter Standard – 87
A276	340S	Standard Screw
A277	427	Screw, 10 x 7/16 Flat Hd.
A278	313S	Screw for Throat Plate
	438W	Washer for Throat Plate
A279	329LW	Washer
A280	337D	Rollerplate with Rollers for Slitter (See XY Roller Plate – Plate 3 – for component parts)
A281	313T	Slitter Throat Plate
A282	427	Screw, 10 x 7/16 Flat Hd.
A283	392H	Backguard, Slitter – 54
	392A	Backguard, Slitter – 59
	392C	Backguard, Slitter – 86
	392E	Backguard, Slitter – 87
A284	436T	Screw, 6 x 3/16 Flat Hd.
A285	397	Filler Plate

For maintenance and repair instructions see Maimin Round Knife Instructions & Parts List Catalog.

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