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VEVOR

VEVOR DR75A Bench Buffer

Product Specifications

- **Model:** DR75A/DR75B
- **Type:** Bench Buffer
- **Maximum Speed:** Approximately 7,000 RPM to 7,500 RPM
- Variable Speed Control

Product Usage Instructions

Safety Instructions:

1. Always wear proper eye and face protection while using the bench buffer.
2. Operate accessories within their maximum speed rating of 7500 rpm.
3. Do not use damaged or vibrating accessories.
4. Ensure accessories are securely inserted and tightened.
5. Avoid excessive side pressures on accessories.
6. Do not damage the motor by installing it improperly.
7. Do not operate the power tool during a noticeable power decrease.
8. Use only 3-wire extension cords and disconnect power before servicing.

Assembly Instructions:

Refer to Figure 1 and Figure 2 for the proper assembly sequence. Assemble all components correctly.

Operation:

The Bench Buffer offers advantages over conventional buffers due to its higher maximum speed and variable speed control.

SFPM	Dia. Wheel	Full 7000RPM	Med 4000RPM
1750	1″ Dia. Wheel	1000	
3500	2″ Dia. Wheel	2000	
5250	3″ Dia. Wheel	3000	

7000	4″ Dia. Wheel		2000
	6″ Dia. Wheel	@1725RPM	@3450RPM

Note: Cotton, chamois, or felt buffs over 4 inches in diameter should not be used with the Bench Buffer.

INTRODUCTION

- This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.
- Please read and save these instructions. Read carefully before attempting to assemble, install, operate, or maintain the product described.
- Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

SAFETY INSTRUCTIONS

For your safety, please read this manual carefully before using this machine.
Always wear eye protection while using this bench buffer

1. Always wear proper eye and face protection; safety glasses or face shields should be worn whenever you operate the tool to prevent serious eye or face injuries. Do not wear loose clothing or jewelry, and be sure to tie back long hair.
2. Never operate any accessory at speeds above its maximum speed rating. Only accessories rated for 7500 rpm or more should be used with the bench buffer.
3. Never use or continue to use any accessory which appears to be damaged, loose, vibrating, or out of balance. Inspect each accessory for cracks or flaws before using it.
4. Always insert the shank or arbor of an accessory or mandrel into the collet (or collet holder, chuck, or chuck arbor) as far as possible to provide proper support. Tighten the collet or chuck securely.
5. Never use excessive side pressures which may tend to bend or break the shank or

arbor or an accessory. Let the speed of the accessory do the work.

6. Do not install the motor by jamming or using excessive pressure on the polishing wheel, buff wheel, or accessory. This can result in damage to the motor.
7. Never operate your power tool during a perceptible power decrease power decrease. Turn power tool off and do not use until power is fully restored.
8. Use proper grounding procedures. This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved 3-conductor cord and a 3-prong grounding-type plug to fit the proper grounding receptacle. The green or green and yellow conductor in the cord is the grounding wire. Never connect the green or green and yellow wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like sketch A in Figure
    1. An adapter(sketches B and C) can be used for connecting plugs, as shown in Sketch A, to 2-prong receptacles. The green colored rigid ear, lug, etc., extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.
9. Use only 3 wire extension cords that have 3 prong grounding type plugs and 3 pole receptacles that accept the tool's plug. Always disconnect the power cord before servicing the motor. Never use in an area where flammable vapors are present. Replace or repair worn cord immediately.

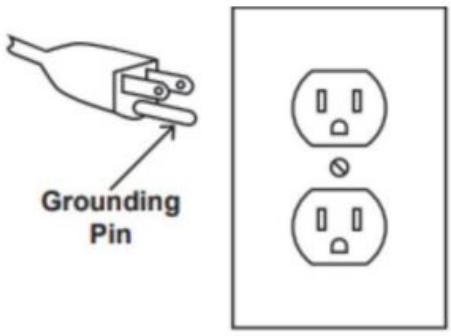

Figure 1

ASSEMBLY INSTRUCTIONS

Each bench Latch comes with the following standard attachments: TM3 Tapered Spindle (left hand), TM4 Tapered Spindle (Right hand), These are precision made spindles suitable for speeds up to 7500RPM, similar spindles and mandrels supplied for slower speed polishing motors often do not run as trus which can cause vibration and be a potential hazard. They are not recommended to use with this bench buffer.

Mounting Base:

The Base should be bolted or screwed down to a solid work bench or table to prevent movement while pressure is applied to a buff or wheel on the buffer. There are 4 mounting holes in the base for this purpose.

Attaching accessories:

- The TM4 Tapered spindle and CHA-4 collet holder (not included) are right-hand side accessories intended for use on the right-hand side of the buffer as you are facing it. Do not use them on the left side as the buff or wheel will tend to unscrew under load. The TM3 tapered spindle is intended for use on the left side only. Optional WM-3 and WM-4 wheel mandrels (not included) are available for use on the left and right sides of the buffer. (Each mandrel and spindle is marked with an R or L to indicate left or right-hand.)
- Attach the spindles or mandrels by sliding them onto the motor shaft until there is a 1/8” space between the motor housing and inside edge of the spindle or mandrel. Be sue that the 2 sets screws line up with flat on the motor shaft. Tighten both screws securely.
- Plug the motor and run the buffer at slow speed without a buff (or wheel) to see that the spindle (or mandrel) on the buffer is running true.
- Never use a buff, brush, abrasive wheel, or any other accessory that is not rated for at least 77500 rpm, and never use one that appears to wobble or vibrate. It could damage the buffer and cause injury to you. Buffs over 4” in diameter should not be used on the bench buffer. Never use a grinding wheel over 2” diameter. Please refer to Figure 2 for the proper mounting procedure for wheels or brushes on the WM-4 (WM-3) mandrel.

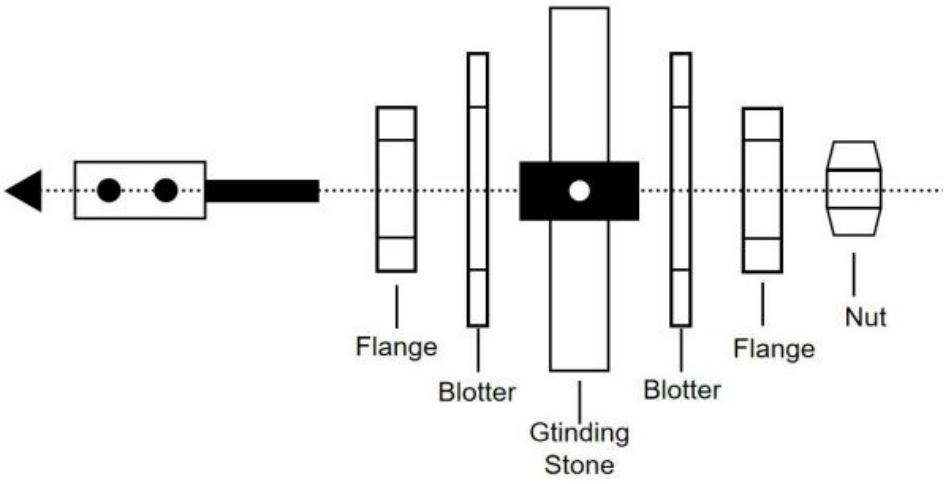

Figure 2 WM-5 Assemble all components in proper sequence

OPERATION

Because of the higher maximum speed (approximately 7,000 RPM to 7,500 RPM) and variable speed control, the Bench Buffer has several advantages over conventional single or two-speed polishing and buffing buffers:

1. The same size buffing wheel can be used to obtain different surface speeds, as Measured in surface feet par minute (SFPM). A3″ or 4″ diameter buff can provide the 1 , 750 to 3,450 SFPM recommended for polishing and the 3,450 and higher SFPM recommended for buffing. The chart below shoes the SFPM obtained with different diameter wheels at full, medium, and low speeds.
2. The SFPM can be varied while using the same wheel. This will give better results on different types of material.
3. The 7,000 RPM maximum speed will enable you to get much higher SFPM with smaller buffs, such as 1″ or 2″ buffs or inside ring buffs, than slower single or double speed equipment.
4. The maximum speed of 7,000 RPM is also fast enough to permit the use of small mounted abrasive points, brushes, cutters or, other accessories in the two collet holders CHA-I and CHA-4, which are ,o ional accessories and not included in this set

	SPEED	SFPM
1″Dia. Wheel	Full 7000RPM	1750
	Med 4000RPM	1000

2″Dia. Wheel	Full 7000RPM	3500
	Med 4000RPM	2000
3″Dia. Wheel	Full 7000RPM	5250
	Med 4000RPM	3000
4″Dia . Wheel	Full 7000RPM	7000
	Med 4000RPM	2000
6″Dia. Wheel	@1725RPM	2600
	@3450RPM	5200

Cotton, chamois, or felt buffs over 4″ in diameter should not be used with the Bench Buffer.

SFPM: To figure Surface Feet Per Minute; 1/4” diameter (in inches) of wheel spindle spinning RPM=SFPM; Generally, a speed of 1750 to 3450 is recommended for polishing. Buffing requires a higher speed of approximately 3450- 7000sfpm.

BENCH BUFFER ATTACHMENTS

Tapered Spindles

Precision, turn running tapered spindle suitable for speeds up to 7,500 RPM. Fits 1/4″ diameter straight motor shafts.Double locking screws. Suitable for use with cotton, felt, And chamois buffs with shell and hardened leather, or lead centers. Also used with felt inside ring buffs on wooden mandrels. Use TM3 on the left side (as you face it) and TM4 on the right side of the bench buffer.

TM3 Left Hand TM4 Right Hand

MAINTENANCE

- Lubrication: the bench buffer has pre-lubricated ball bearings and a dust-proof motor housing and dose not require any lubrication. The motor is designed to operate at about 40-50F above room temperature which will be warm to the touch but will n ot harm the motor.
- Brush wear. Disconnect the power cord before checking for brush wear. Check for brush wear periodically (about 100 hours of continuous operation). Thee brush tubes are located under the 2 protective caps on the right-hand side of the motor (as you face it). Remove them with a standard screw driver blade, unscrew the brush tube caps. Check the brush length. And install new brushes if the old ones are less than 1/4” in overall length. Be sure that the radius at the end of the brush is in line and conforms to the commutator surface.

ABOUT COMPANY

- **Manufacturer:** Shanghaimuxinmuyeyouxiangongsi
- **Address:** Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, shanghai 200000 CN.
- **Imported to USA:** Sanven Technology L, Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730.

Frequently Asked Questions (FAQ)

- **Can I use accessories rated below 7500 rpm with the Bench Buffer?**
  No, only accessories rated for 7500 rpm or more should be used with the Bench Buffer to ensure safe operation.
- **What should I do if I notice a decrease in power while operating the tool?**
  Turn off the power tool immediately and do not use it until the power is fully restored to avoid any potential risks.

Documents / Resources

	VEVOR DR75A Bench Buffer [pdf] Instruction Manual DR75A, DR75B, DR75A Bench Buffer, DR75A, Bench Buffer, Buffer

References

- User Manual

Bench Buffer, Buffer, DR75A, DR75A Bench Buffer, DR75B,

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