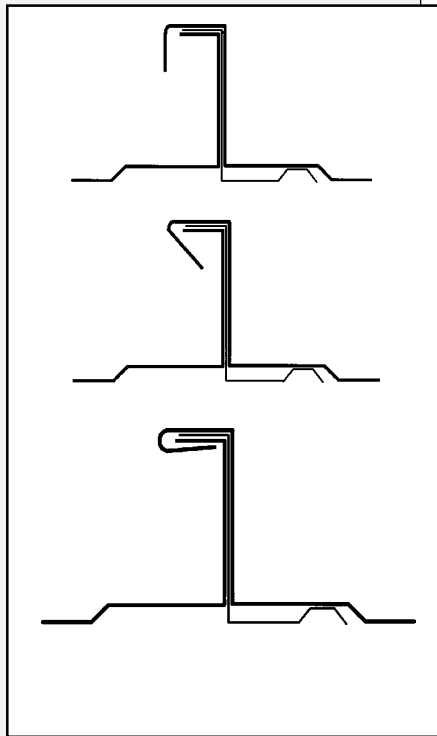


OPERATIONS MANUAL

BERRIDGE ZEE-LOCK MODEL SZS SINGLE-LOCK SEAMER



OWNER: _____

DATE: _____ SER. NO.: _____

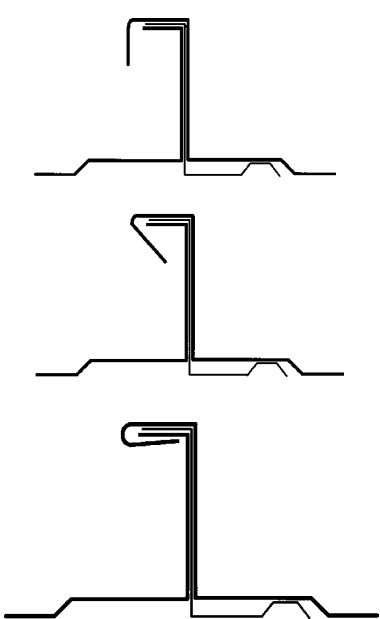
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I. GENERAL DESCRIPTION

THE BERRIDGE ZEE-LOCK SEAMER is a precision-manufactured machine designed to provide uniform, high quality single lock seaming capability for installers of the **BERRIDGE ZEE-LOCK** Standing Seam Roof Panel (Fig. 1).

ELECTRICAL POWER REQUIREMENTS:
The Berridge ZEE-LOCK SEAMER requires standard U.S. electrical current of 110 to 120 volts AC 60 cycles. Connect to a grounded supply receptacle with at least 15 amp current capacity. If extension cords are required, use the following recommended sizes:

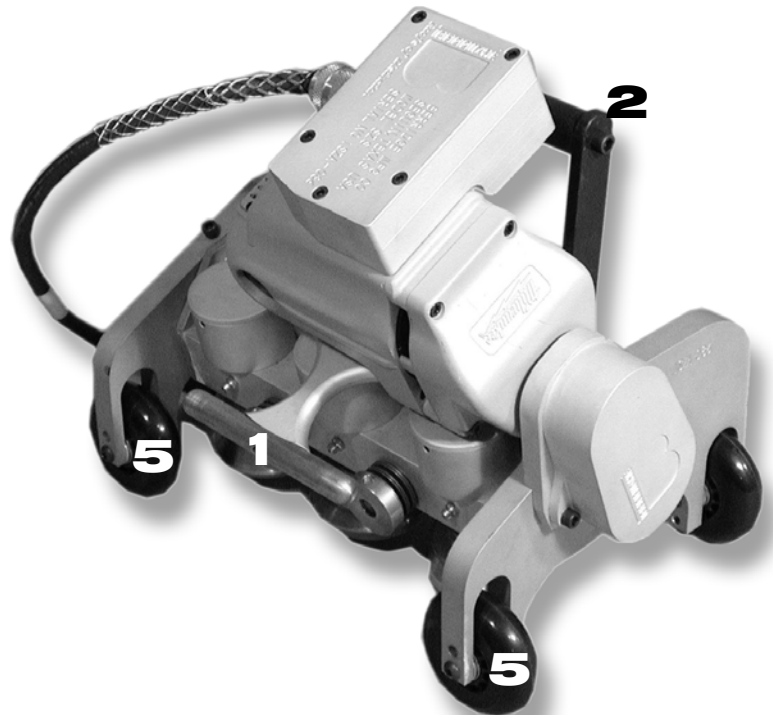
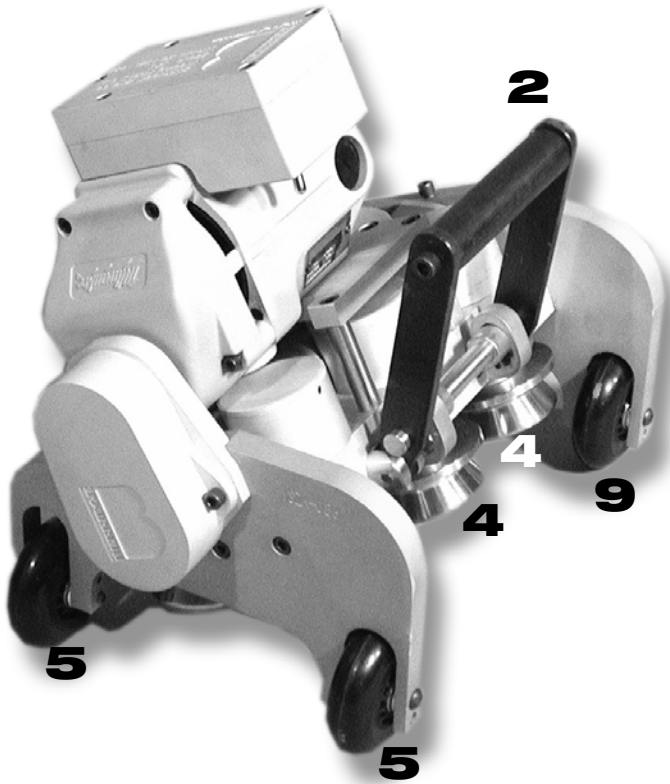


LENGTH	WIRE GAUGE
0-75 ft	16
75-150 ft.	14
150-200 ft.	12
200 ft. +	10

(Fig. 1).
The Zee-Lock Seamer performs a single-lock seam on the Berridge Zee-Lock Standing Seam Roof Panel

II. EQUIPMENT NOMENCLATURE:

MODEL SZS ZEE-LOCK SINGLE LOCK SEAMER



ZEE-LOCK SINGLE-LOCK SEAMER FEATURES:

- ☐ Seams in one pass
- ☐ Bi-Directional Operation
- ☐ Heat-treated stainless steel rollers
- ☐ Lightweight, rugged construction

SPECIFICATIONS:

Weight: ... 42.0 Lbs

Speed: ... 45 Ft. Per Minute

POWER:

Motor: 7.0 Amps

Phase: ... Single

Volts: 120V Current

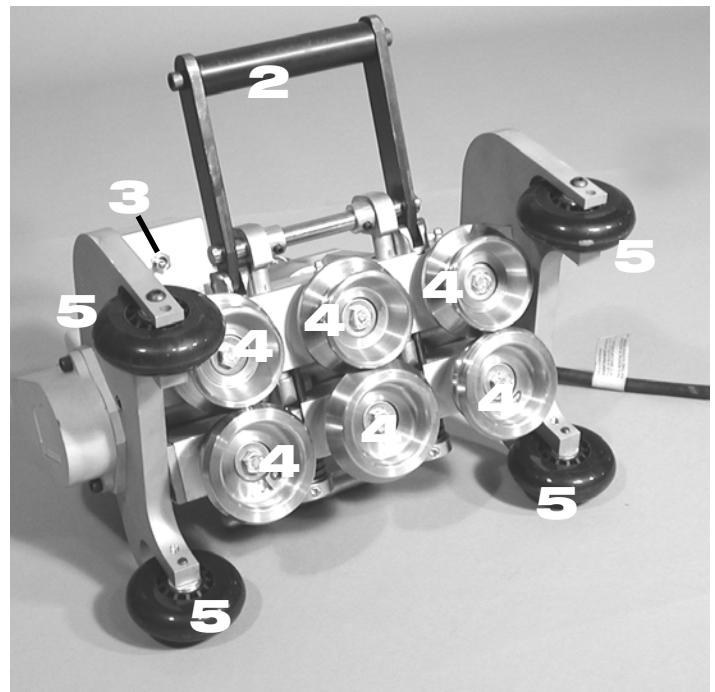
MAXIMUM GAUGE:

Steel: 24 Ga., 22 Ga. on request

Copper: 20 Oz.

COMPONENTS:

1. Carrying Handle
2. Die Lever Handle
3. Directional & On/Off Toggle Switch
4. Roller Dies
5. Idler Guide Wheels



III. SEAMING OPERATION

1. After you have run the panels and installed the required accessories at gables and eave flashing (see the Berridge Technical Manual, Zee-Lock Installation Instructions and Typical Details), place the first Zee-Lock panel at one gable end.



Figure 1: Hand-Seaming the Zee-Lock Panel to provide a starting point for the Seaming Machine

2. Remove strippable film from all panel surfaces including the edges of both seam legs BEFORE installing panels.
3. Install either the Continuous Zee-Rib along the leading male leg of the first Zee-Lock panel or individual Zee-Lock Clips at required spacing.
4. Prepare the sidelap seam for machine seaming by crimping the starting end of the sidelap using the Hand Crimper Tool (Figure 1). This creates a seamed area where the Zee-Lock Seamer will be positioned to start seaming the sidelap.
5. Crimp the sidelap every four (4'-0") prior to seaming.
6. Hold the Carrying Handle firmly and open the dies (Figure 2) with the Die Handle Lever. Once the dies are open, inspect the Die Rollers for foreign objects such as pieces of strippable film which could interfere with the seaming operation or marr the panel surface.
7. Lift the Seamer by the Carrying Handle and Die Handle Lever and position it over the sidelap so that the Roller Dies are correctly positioned over panel legs (Figure 3).
8. Use the Die Lever Handle to close the Die Rollers over the sidelap (Figure 4). If the gears are not properly meshed (thus preventing dies from closing), "jog" the motor until the gears mesh, allowing the dies to be closed.

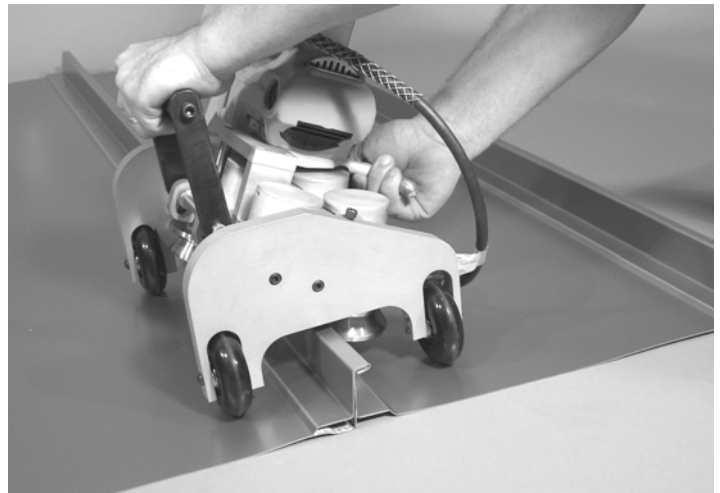


Figure 2: Open the Seamer Dies and position the seamer over the sidelap at the hand-crimped starting point.

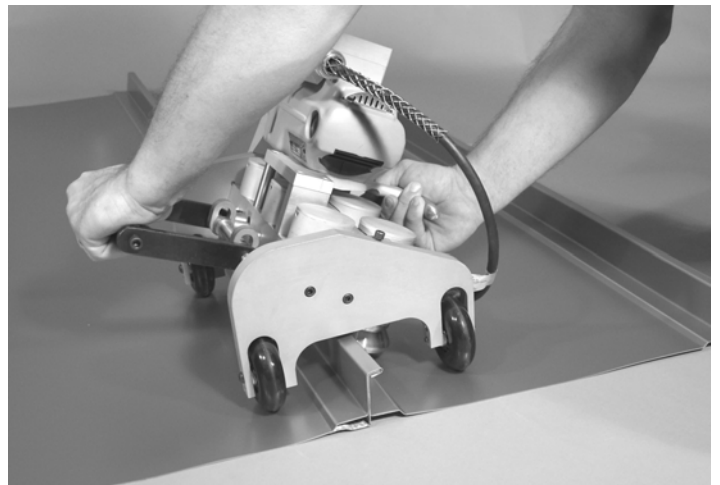


Figure 3: Close the dies on the sidelap in preparation for the seaming operation.

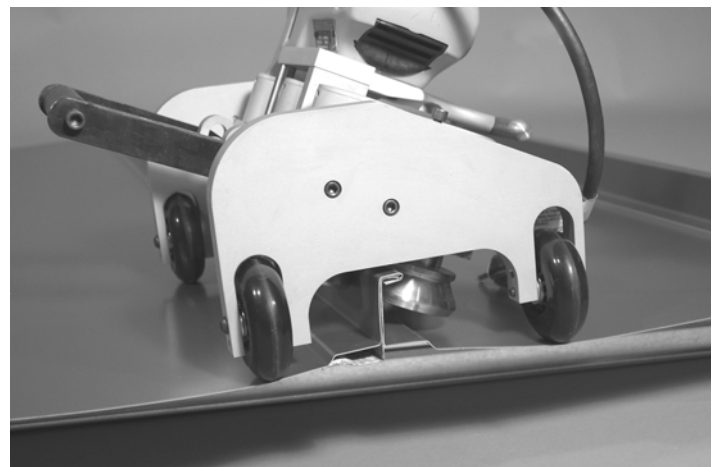


Figure 4: Close-up view of the Seamer Roller Dies in proper position to form the seam.

III. SEAMING OPERATION (Continued)

9. Use the Bi-Directional Toggle Switch (Figure 5) to start seaming in the desired direction. The seamer is bi-directional, and will seam either up or down the roof slope (on steep slopes of more than 6:12, seam in the downhill direction only). Seamer will travel at approximately 45 feet per minute.

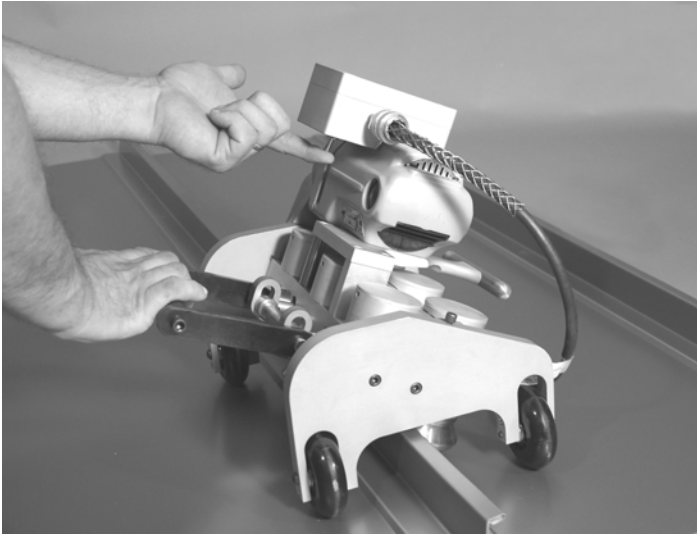


Figure 5: Use the On/Off - Bi-Directional Switch to start the seam in the desired direction. (Note: Seam downhill only on roof slopes greater than 6:12)

CAUTION! DO NOT LET THE SEAMER TRAVEL OFF THE END OF THE PANEL AND OVER THE EDGE OF THE EAVE: THE SEAMER DOES NOT AUTOMATICALLY SHUT OFF AT THE END OF THE SEAM.

10. Hand-seam the terminating end of the sidelap if obstruction prevents the use of the Seaming Machine to seam the sidelap all the way to the end.
11. The Berridge Zee-Lock Seaming Machine is Bi-Directional and will seam in either direction in order to accommodate the orientation of the sidelap leg.
12. Roof slopes with a rise of more than 6 inches in 12" should be seamed in a downhill direction. Attempting to run the seamer uphill on steep slope roofs may cause roller dies to slip and rub paint off panel legs or to mar the panel surface.
13. Roller dies should be inspected for strippable plastic film or other debris prior to operation, and cleaned periodically and at completion of seaming.

REMOVE ALL REMNANTS OF STRIPPABLE PLASTIC FILM!

IV. MAINTENANCE INSTRUCTIONS

THE BERRIDGE ZEE-LOCK SEAMER requires very little maintenance. To insure the highest quality product and maximum machine life, the following routine preventative maintenance is required. Keep the machine **DRY, CLEAN & DIRT-FREE**; this is a precision piece of equipment.

1. Inspect rollers prior to each usage. If necessary, remove any dirt, debris or remnants of strippable protective plastic film from rollers.
2. Clean all strippable film from drive and idler rollers at the completion of seaming and wipe with a clean cloth.

V. SAFETY

It is important to abide by normal safety rules when operating the BERRIDGE ZEE-LOCK SEAMER. While Berridge recommends the following minimum safety practices, the company accepts no responsibility for personal injury or property damage incurred while operating the machine.

- A. Make sure electrical outlet is grounded.
- B. Do not operate machine in rain or stand in water while operating.
- C. Make sure electrical cord is free of cuts and exposed wire.
- D. Keep hands and clothing away from the rollers.
- E. **Do not allow seamer to travel off end of panel and over the edge of the building eave; Seamer does NOT automatically shut off at end of seam.**

NOTE TO LESSEES:

The Berridge Zee-Lock Seamer is shipped in good working condition and must be returned in the same condition. The cost of any required repairs for damage or deterioration caused by misuse or negligence will be charged to lessee.



BERRIDGE ZEE-LOCK SEAMER RETURN INFORMATION

DATE RETURNED _____

SERIAL # _____

COMMENTS: _____

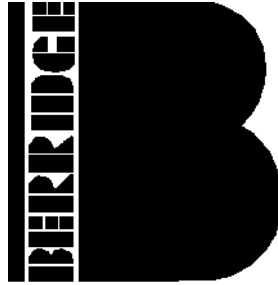
REPAIRS: _____

LABOR COST: _____

PARTS COST: _____

FILL OUT & MAIL OR FAX TO:

BERRIDGE MANUFACTURING COMPANY
ROLL FORMER OPERATIONS
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Seguin, TX 78155
Fax: 210-303-0530



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