



# ELKHART BRASS MANUFACTURING COMPANY

Elkhart, Indiana



## 8298EX

### *THE PIPE*<sup>®</sup>

STINGER<sup>®</sup> DECK GUN RISER EXTENSION

## Installation & Operating Instructions

### I. Product Description

The 8298EX is an extension tube designed to allow the Elkhart 8297-10 Stinger monitor to be quickly and easily installed in a higher deck gun position during deployment in order to clear apparatus obstructions such as flood lights, hose bed, hose reels or cab raised roof. When not in use the 8298EX extension tube is removed from the 8298 and stored in a convenient location on a special bracket assembly. The 8297-10 is then reinstalled on the 8298 in the normal, lower storage position to avoid possible obstruction with fire station overhead doors, tree limbs, etc. The 8298EX utilizes the same patented break-apart swivel joint used in the Stinger monitor for many years.

### II. Safety

- A. Do not attempt to install or use the 8298EX deck gun riser extension without first reading and understanding these installation and operating instructions.
- B. The apparatus plumbing supplying the deck gun installation must be properly supported per the guidelines given in Section II,C.
- C. Master streams are powerful and potentially dangerous. Prior to opening the water valve, be sure the stream is not directed toward personnel or bystanders.
- D. The 8298EX is designed for use only with the Elkhart Model 8297 Stinger monitor. Do not attempt to use this device with any other make or model of master stream equipment.
- E. Do not move apparatus with 8298EX installed on 8298 fitting.
- F. Do not attempt to install the 8298EX on any portable monitor base. This device is not designed to properly install on any portable base. Use of this device on a portable base would cause extremely dangerous instability of the monitor.

### III. Installation

A. The 8298EX is intended for use only with the 8298 deck mount adapter, Revision B, or newer. See Figure I below for identification of the proper 8298 deck mount adapter.

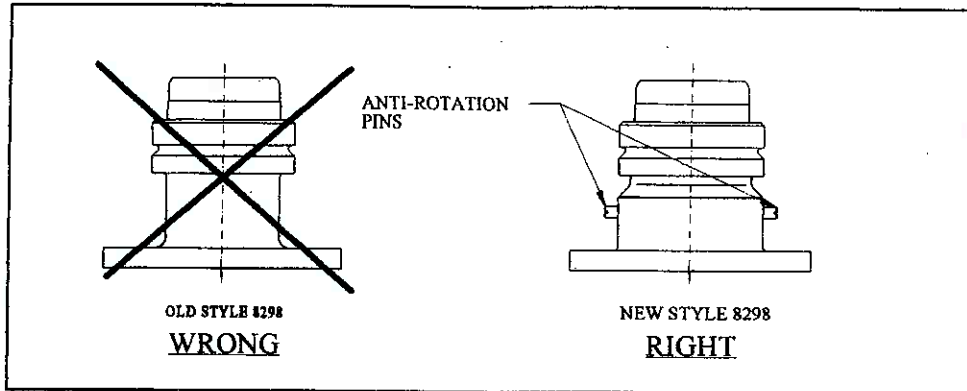


Figure I

Use of the older style 8298 will result in excessive monitor deflection during flow, and will not allow locking of monitor rotation. Also, do not use the 8298EX with the 8299 deck mount fixture (for hose line supply).

B. For retrofit installations, replace 8298 adapter with new style. When tightening flange bolts, be sure to hand tighten each nut uniformly prior to wrenching nuts and bolts tight. When the mating flange is of the raised-face type, be careful to keep 8298 flange parallel to face of mating flange. If the 8298 is allowed to cock during bolt tightening, the flange will likely fail by fracturing.

C. Supply piping between the pump discharge valve and the 8298 adapter must be adequately supported. The increased monitor height resulting from use of the 8298EX will impose greater stresses on the supply piping. The supply pipe should be anchored to an adequate structural member as close to the underside of the deck plate as possible. Figure II gives guidelines for adequate pipe support.

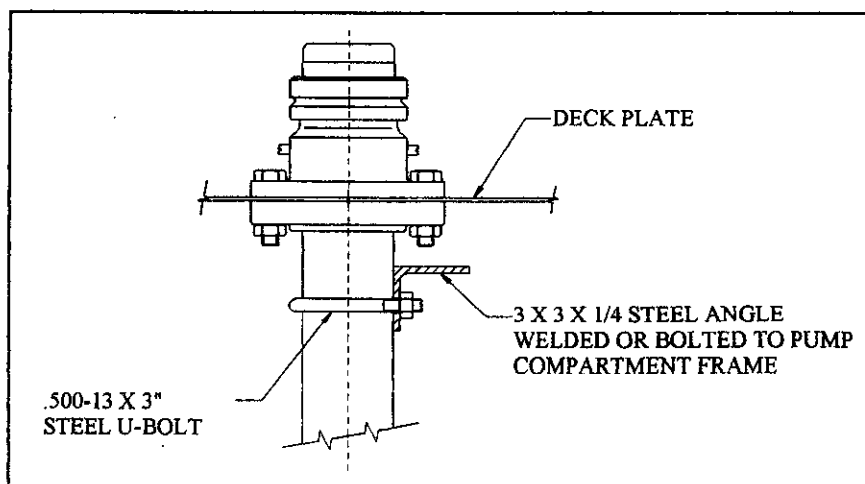


Figure II

## IV. Deployment

A. To place the 8298EX into operation, first remove the Stinger monitor from the 8298 deck mount, and set aside. Align the inlet end of the 8298EX with the 8298 and push the 8298EX down over the 8298, being careful to align slots in 8298EX with anti-rotation pins on 8298. Push 8298EX down until anti-rotation pins are fully engaged in slots. You should hear the spring loaded latch pins snap into position as the 8298EX is installed. To install Stinger monitor on discharge end of 8298EX first make sure that rotation lock is fully released, then push monitor inlet end down over bearing swivel on 8298EX until latch pins are fully engaged on underside of swivel. See Figure III.

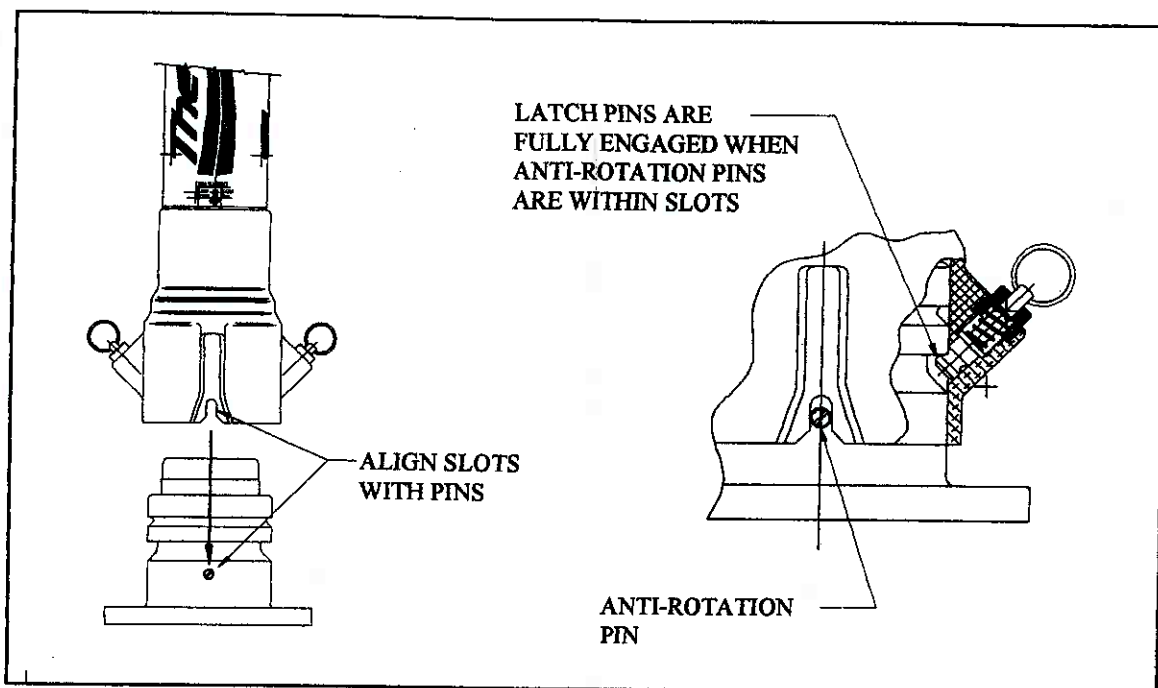


Figure III

## V. Return to Storage Mode

A. Drain monitor and riser pipe. Remove Stinger monitor from discharge end of 8298EX by pulling up on Stinger twist handle lock pin and twisting carrying handle to retract latch pins. While holding carrying handle in the unlatched position, lift Stinger off extension pipe, and set aside.

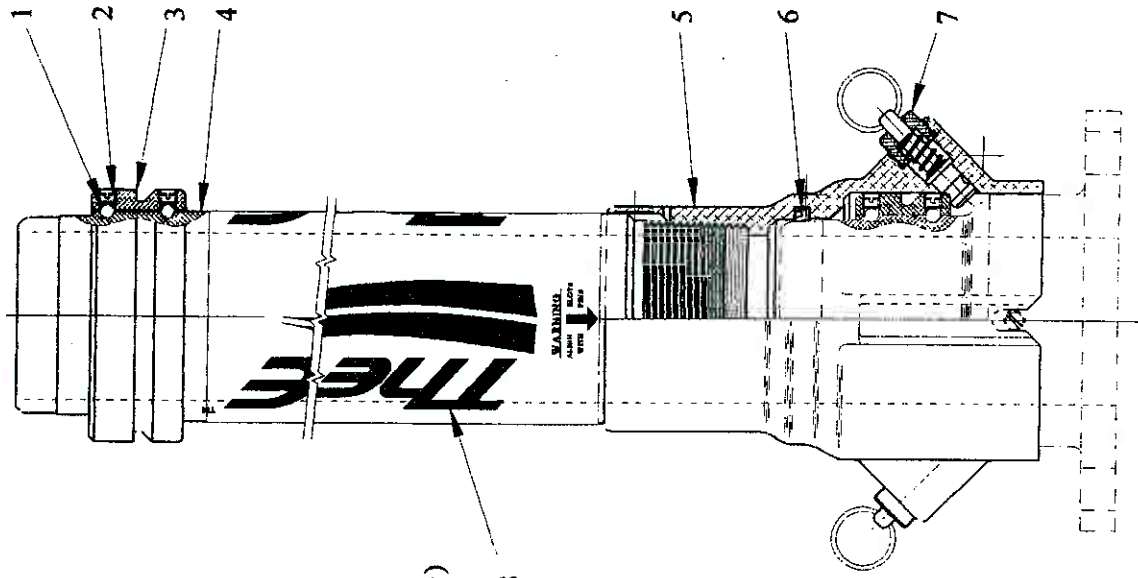
B. Remove 8298EX from 8298 by pulling out on both pull rings (near lower end of 8298EX) simultaneously. While holding latch pins in released position with pull rings, lift 8298EX off.

C. Secure 8298EX in storage bracket, and reinstall 8297 Stinger monitor on 8298.

## VI. Maintenance

Periodically inspect 8298EX to be sure that latch pins are clean and slide freely in bores. Check that latch pin springs are in place and functional. Check to be sure that u-cup seal 62151000 is properly in place (lips toward discharge end of unit), and free from damage. Inspect bearing swivel 15195001 to be sure that it rotates freely on the bearing balls.

# VII. Repair Parts



INDEX NO.	PART NO.	QTY. REQ.	DESCRIPTION
1	15027000	92	BALLS-.250 DIA (S/S)
2	63687000	2	SCREW-SET (.312-18 X 0.187-LG)
3	15195001	1	RING-SWIVEL (AL)
4	16723001	1	BODY-TUBE UPPER (AL)
5	16722001	1	BODY-LOWER (C/A)
6	62151000	1	SEAL-U CUP
7	81237001	2	LOCK PIN SUB-ASSY
8	44348000	1	LABEL-the "PIPE"