

SHOELOK RETAINING DEVICES

INSTALLATION INSTRUCTIONS

Ideal Tools:

Hex wrench and a torque screwdriver or torque wrench with hex driver for tightening the set screws
SLAS Assembly Socket or Whittet-Higgins PAS Spanner Wrench for preloading the bearing

Assembly instructions:

- 1) Check the SHOELOK retaining device. If an anaerobic compound is desired on the set screws, remove the screws, apply the adhesive, and replace them in the SHOELOK.
- 2) Make sure the three set screws are seated against the brass shoes by rotating them with **light** finger pressure on hex wrench until contact is made. **Do not apply any torque to the screws at this time as the brass shoes could be forced out of position and interfere with the assembly.**
- 3) Assemble the SHOELOK onto the shaft threads. The bearings or other retained components can now be adjusted or preloaded using a spanner wrench or socket and torque wrench.
- 4) After the assembled components are correctly adjusted or preloaded, begin to secure the SHOELOK by tightening each of the set screws using approximately **one half** of the torque (see Table 1). Then tighten each set screw up to or slightly less than the **maximum** torque listed. Do not over-torque.
- 5) **Double check** the torque reading on each set screw. If accurate, a proper and effective assembly is now completed.

TABLE 1

SHOELOK SIZE	SET SCREW	TORQUE In-lb.
NSH04-NSH05	8-32	20
NSH06-NSH12	10-24	35
NSH13-NSH16	1/4-20	80
NSH17-NSH22	5/16-18	150
NSH24-NSH30	3/8-16	270
NSH32-NSH40	7/16-14	400

Disassembly instructions:

- 1) Remove the torque on the set screws by loosening them 1/2 of a turn.
- 2) Re-set the brass keys into the SHOELOK by tapping the SHOELOK in three places just above each set screw, using a non-marring hammer (see sketch below).
- 3) The SHOELOK should now be able to rotate freely and can be removed from the shaft threads by hand. If the SHOELOK does not freely rotate, repeat steps 2 and 3 above until the SHOELOK rotates easily. **This free rotation is critical in order that the SHOELOK retaining device can be re-used**

