



INSTALLATION INSTRUCTIONS

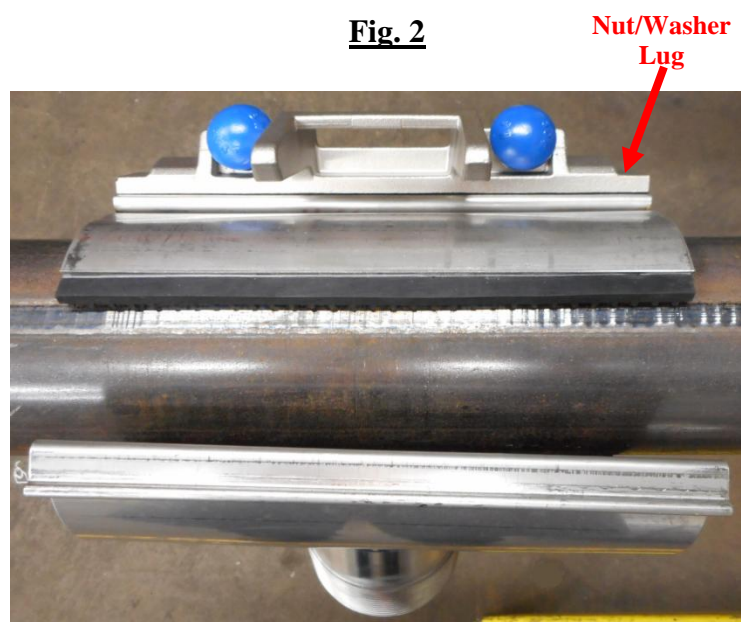
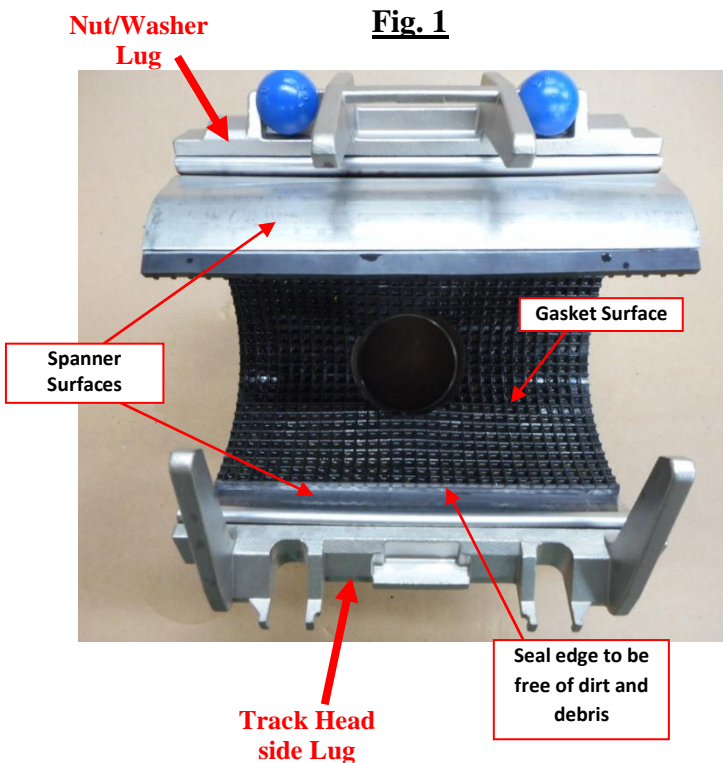
Quick Cam® Line Stop & Tapping Fitting (Patent Pending)

Step 1. Prepare pipe surface by thoroughly cleaning surface of all rust, dirt, scale, and debris. Verify that the fitting is the proper diameter for the main pipe on which it is to be installed. Use a pipe outside diameter (OD) tape to confirm main pipe diameter. Installer shall confirm that pipe to be tapped has structural integrity sufficient for the tapping saddle. Please consult a piping engineer or the factory if there is any doubt in this matter.

Step 2. Inspect the pipe sealing surface for damage. Do not mount fitting on any pipe surface that is damaged. Damage may include gauges, holes, cuts, pits, cracks, or other surface imperfections that could impede gasket sealing performance.

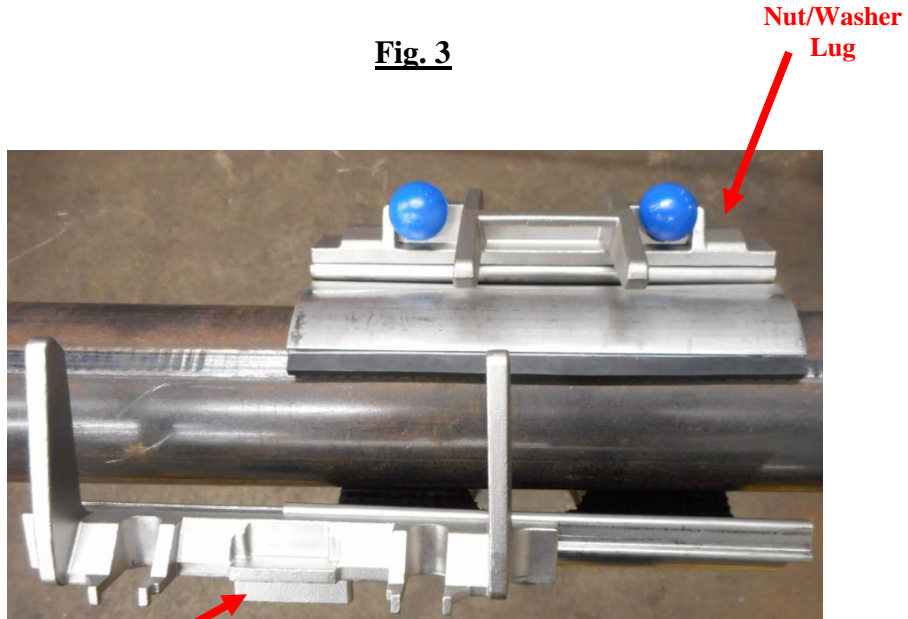
Step 3. Lubricate the pipe surface, all fitting sealing and spanner surfaces (see Fig.1), with a mixture of soapy water. **Verify seal Edge is free of debris and dirt prior to installation.** Do not use grease or pipe lubricant except when otherwise specifically instructed.

Step 4. Mount the Fitting to the pipe. If needed, remove the Track Head Side Lug from the band to aid in installation(See Fig. 2). Light tapping with a non-metallic hammer may be utilized. (Continue to Next Page)



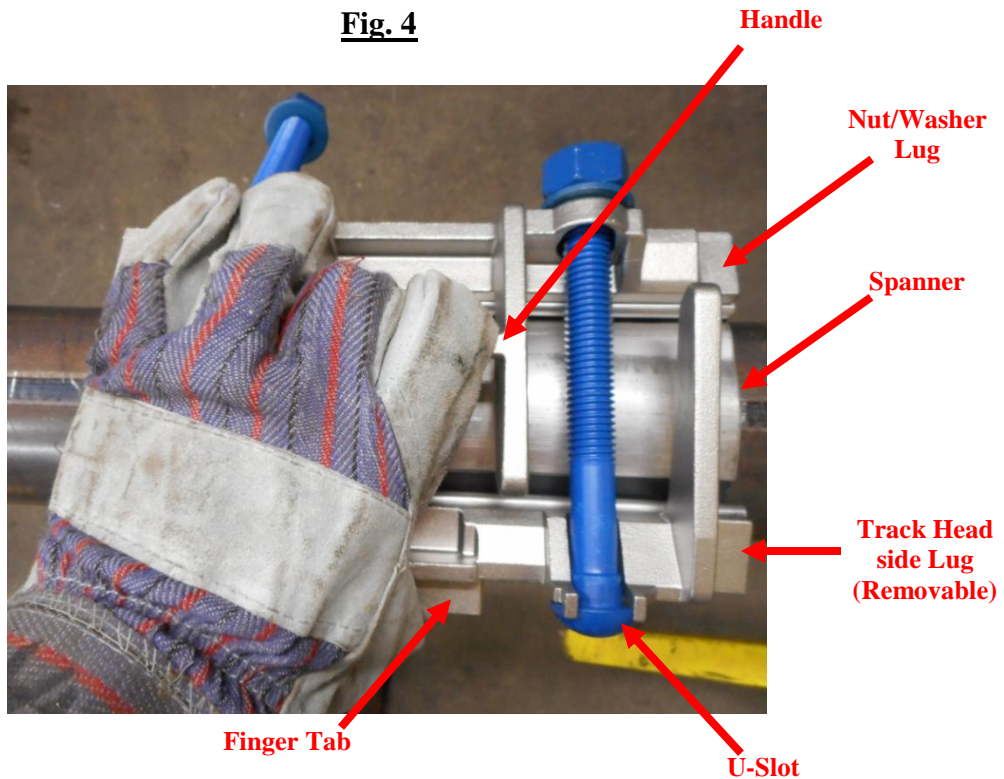
Step 4 Cont. Once the saddle is mounted, slide the Track Head Lug (See Fig 3) back onto the band (Light tapping with a non metallic hammer may be utilized). Using the Handle and Finger Tab (See Fig 4.), close the clamp together allowing one of the track head bolts to drop into the U-Slot on the Track Head Side Lug. Verify that the Spanner slides under the band when closing the saddle.

Fig. 3



Track Head side Lug (Removable)

Fig. 4



Handle

Nut/Washer Lug

Spanner

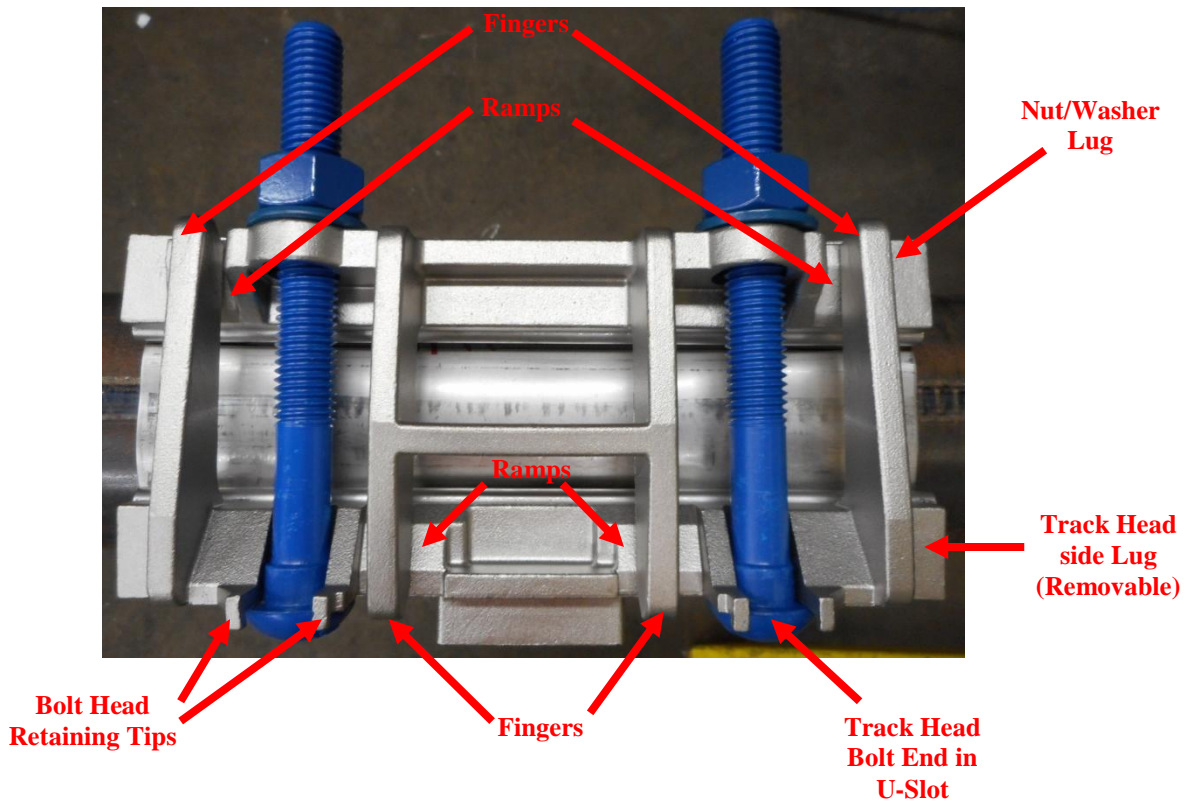
Track Head side Lug (Removable)

U-Slot

Finger Tab

Step 5. Insert the remaining bolt into the corresponding U-slot. Ensure nut sides of the bolts are secured through the closed holes on Nut/Washer Side Lug. The track head should nest securely behind the two bolt head retaining tips on the track head U-slot. (See Fig. 5) Once the bolts are secured in the bolt slots, but not yet tightened, rotate the saddle to the desired orientation.

Fig. 5



Step 5. Tighten the nuts evenly (maintaining an even gap) to correct torque per requirements (Next Page). As the Fitting is tightened, verify that the lug fingers travel along their corresponding/mating ramps. (See Fig. 5)

Step 6. After the Fitting is installed to the main conductor pipe, and the tapping valve installed, but prior to performing the line tap, hydrostatically test the assembly seals. Apply a hydraulic pressure test in accordance with the line working pressure plus an appropriate safety factor.

Test pressure may alternatively be applied thru the line tapping machine.

Under no circumstance shall compressed gases be used to perform this pressure test.

Step 7. Continue with installation of tapping equipment per manufacturer's instructions.

Step 8. After tapping and/or Stopping Install the Completion Plug. **If the plug has an O-Ring Seal do not use pipe tape.** If the plug does not have an O-Ring Seal, apply Pipe tape or Pipe sealant to the completion plug external NPT threads prior to installation.

Step 9. Verify that no leaks are present and retighten nuts, if needed.

Step 10. Backfill carefully around the fitting to prevent fitting movement and to provide earth support.



TOTAL PIPING SOLUTIONS

1760 Haskell Road

P. O. Box 525

Olean, NY 14760

(716)372-0160

www.tps.us

BOLT TORQUE REQUIREMENTS

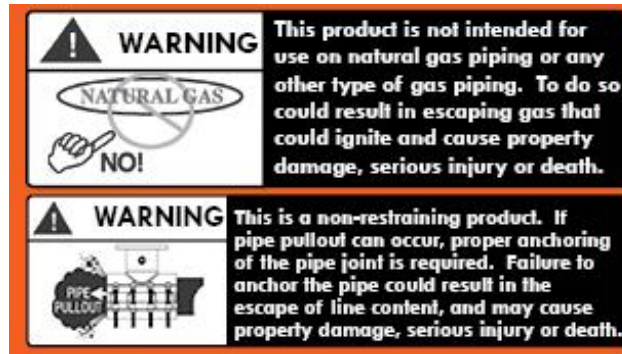
For Steel (IPS) Pipe:

<u>Nom Size</u>	<u>Torque (Ft-lbs)</u>
3/4"	40
1"	40
1-1/4"	40
1 -1/2"	40
2"	40
2-1/2"	40-60
3"	40-60
4"	40-60

For Copper (CTS) Pipe:

<u>Nom Size</u>	<u>Torque (Ft-lbs)</u>
3/4"	40
1"	40
1-1/4"	40
1 -1/2"	40
2"	40
2-1/2"	40
3"	40
4"	40

Note: In all installations, wait 10 minutes after applying torque and reapply torque. Refer to individual product label for additional information.



**** THIS PRODUCT IS NOT TO BE USED FOR NATURAL GAS OR OTHER GAS PIPING****

INSTALLATION NOTES

Note 1: Refer to individual product label for actual pressure rating. Pressure rating will never be greater than Pressure rating of main pipe.

Note 2: Maximum Fitting Operating Temperature: See Product Label

Note 3: Tapping Cutter must be smaller than tapping saddle outlet diameter. In most cases, cutter diameter is 1/2" smaller in diameter than saddle outlet.

Note 4: Use of a pipe diameter (PI) tape is strongly recommended to verify main conductor pipe diameter prior to final installation.

Note 5: Nut Size is 1-1/16 across flats. Use of appropriate socket wrench is recommended. Pneumatic/Air powered tools may be used to torque bolts as long as tightening sequence and multistage torque application steps are followed.