Installation Procedure for

HIBUS® HOT Series

Optical Ground Wire Trunnion

(Assembly Reference B9420)

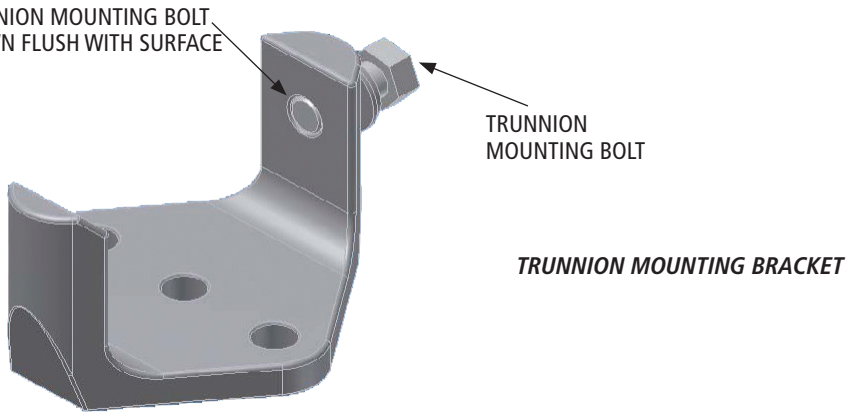
NOTE:

Preparation

Prior to making connection, the accessory must be clean. Check accessory groove(s) and bushings for foreign particles, removing if present.

Prior to installation, loosen the Trunnion Bolt on the Trunnion Mounting Bracket (customer supplied hardware) so that the end of the bolt is flush with the inside surface (face) of bracket as shown in **Fig. 1**.

Fig. 1



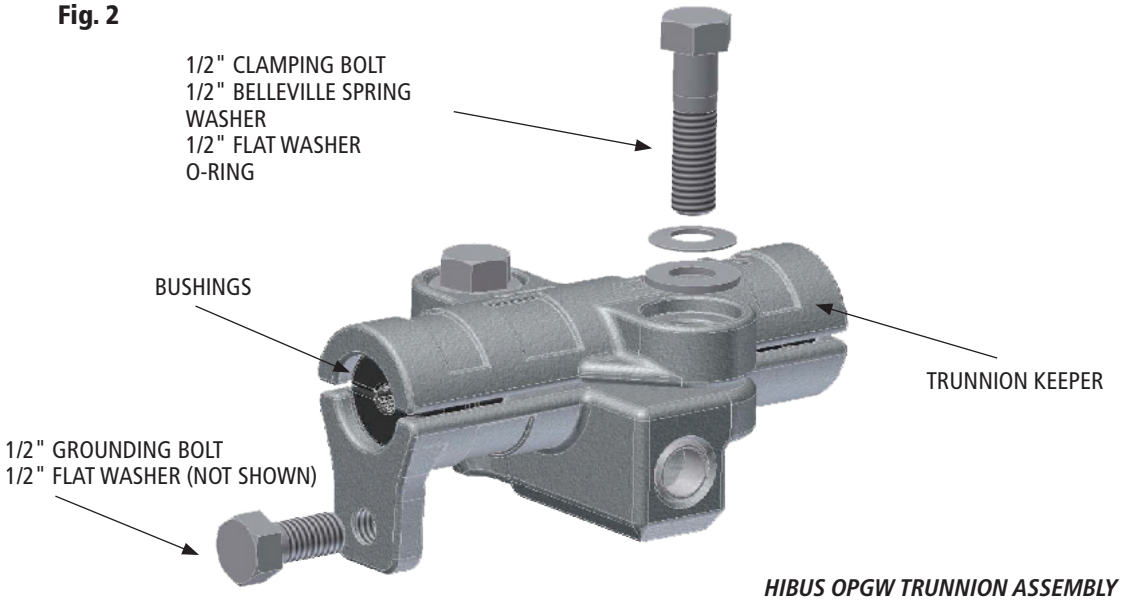
Installation

HIBUS Optical Ground Wire (OPGW) Trunnion Assembly Installation Parts List:

ITEM	DESCRIPTION	MATERIAL	QTY
1	HIBUS OPGW Trunnion Assembly	-	-
1-1	HIBUS OPGW Trunnion Cap/Keeper	Aluminum	1
1-2	HIBUS OPGW Trunnion Base	Aluminum	1
2	1/2" Clamping Bolt	Stainless Steel	2
3	1/2" Belleville Washer	Stainless Steel	2
4	1/2" Flat Washer	Stainless Steel	2
5	Bushings	Elastomer	4
6	O-Rings	BUNA-N	2
7	1/2" Flat Washer	Aluminum	1
8	1/2" Grounding Bolt	Aluminum	1
-	Bonding Wire Assembly – supplied by Customer	-	-
-	Trunnion Mounting Bracket – supplied by Customer	-	-

1. Remove attachment hardware and HIBUS OPGW Trunnion Cap/Keeper as shown in **Fig. 2**.

Fig. 2

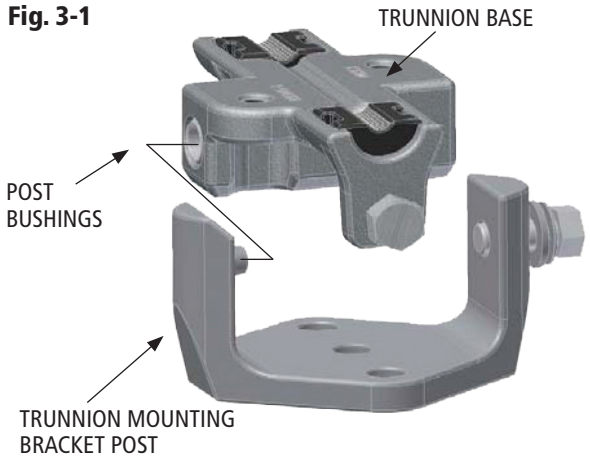


HIBUS OPGW TRUNNION ASSEMBLY

2. At attachment location of Trunnion Mounting Bracket, align the post bushing, located on the side of the base of HIBUS OPGW Trunnion Base, and insert into the post of the Trunnion Mounting Bracket as shown in Fig. **3-1**.
Position HIBUS OPGW Trunnion Base to align the bushing, located on the opposite side, with the Trunnion Bolt located on the Trunnion Mounting Bracket as shown in Fig. **3-2**.
Insert Trunnion Bolt into the bushing and tighten finger tight.
Visually inspect Trunnion to ensure that it is not cocked in Trunnion Mounting Bracket.

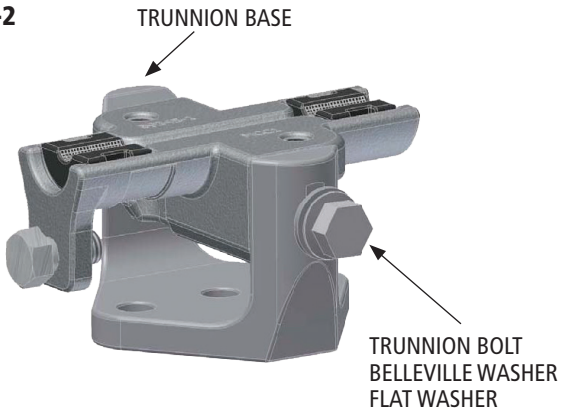
3. Torque Trunnion Bolt to 40 ft-lbs.

Fig. 3-1



TRUNNION MOUNTING BRACKET – SUPPLIED BY CUSTOMER – STYLE MAY VARY

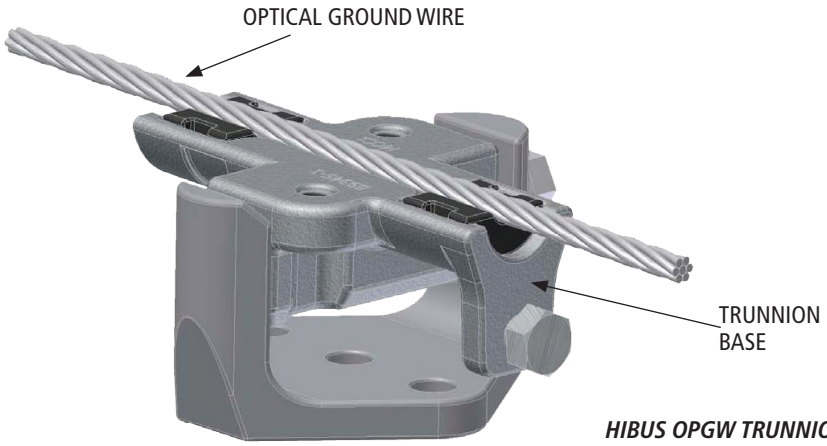
Fig. 3-2



HIBUS OPGW TRUNNION BASE SHOWN INSTALLED TO TRUNNION MOUNTING BRACKET

4. Place Optical Ground Wire in HIBUS Conductor Trunnion Base as shown in **Fig. 4**.

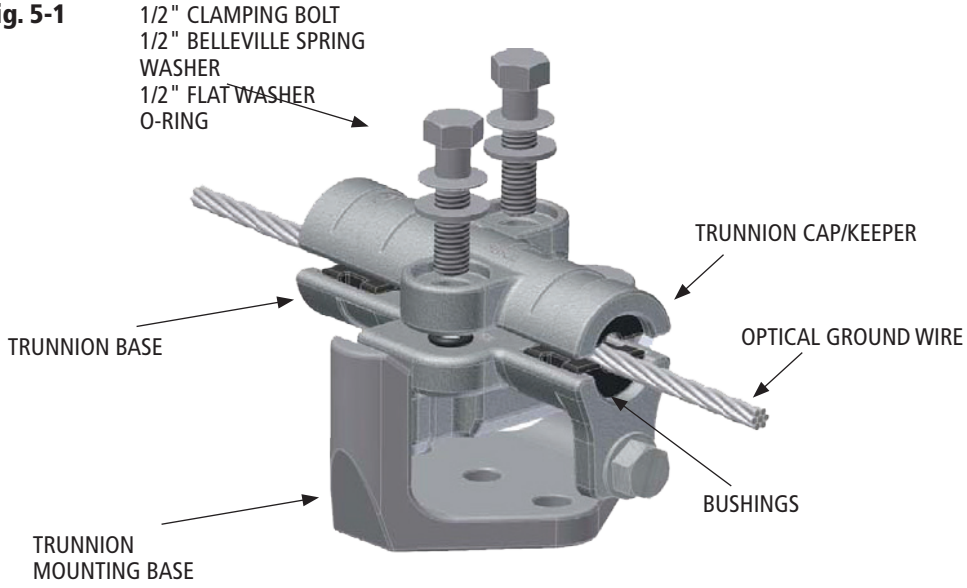
Fig. 4



HIBUS OPGW TRUNNION ASSEMBLY

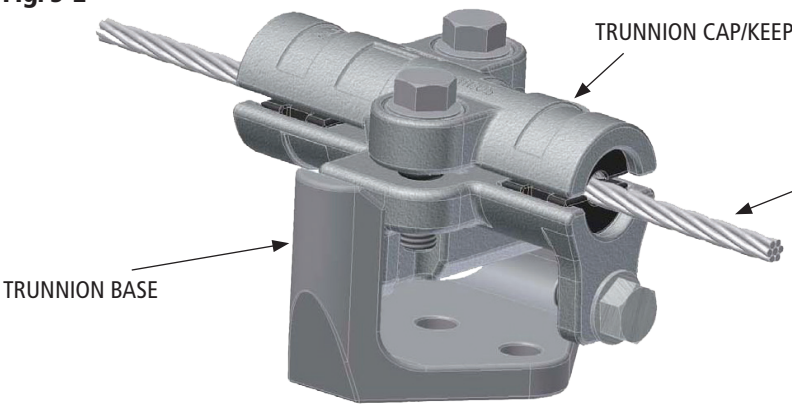
5. Position HIBUS OPGW Trunnion Cap/Keeper over the conductor and center as shown in **Fig. 5-1**.

Fig. 5-1



6. Keeping the HIBUS Trunnion Cap/Keeper horizontal with the conductor, install attachment hardware (flat washer, belleville washer, bolt, and O-ring) into HIBUS OPGW Trunnion into mounting holes as shown in **Fig. 5-2**.
Hand tighten mounting hardware to engage threads with the HIBUS OPGW Trunnion Base.
Alternate tightening to ensure HIBUS OPGW Trunnion Cap/Keeper is not misaligned.

Fig. 5-2



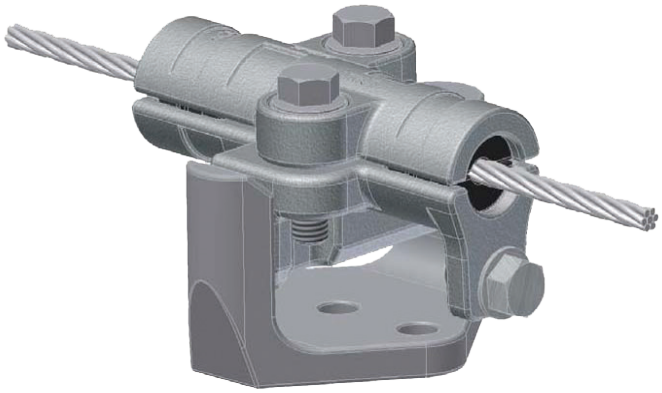
NOTE: Align HIBUS OPGW Trunnion Keeper as shown. Ensure that all clamping hardware is installed, hand tighten bolts and visually inspect bushings are aligned before you torque the bolts.

OPTICAL GROUND WIRE SHOWN INSTALLED INTO HIBUS OPGW TRUNNION ASSEMBLY

7. Torque clamping bolts on HIBUS OPGW Trunnion Assembly (Cap/Keeper) in 5 ft-lb. increments alternating the tightening until 40 ft-lbs. have been achieved on each.

8. Make final visual inspection on HIBUS OPGW Trunnion to ensure that the assembly [groove-bushings (both ends)] and optical ground wire, are not cocked or misaligned, but properly seated.

Fig. 6



HIBUS OPGW TRUNNION ASSEMBLY AS INSTALLED