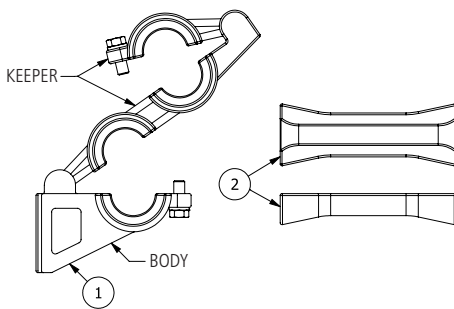


Installation Instructions for ADSS Double Trunnion Support

Trunnions reduce installation costs by functioning as a pull-through during installation (maximum line angle for stringing is 15 degrees total, 7.5 degrees per side, number of structures not to exceed 30). No block or pulley is needed provided these conditions are met.

List of Supplied Materials

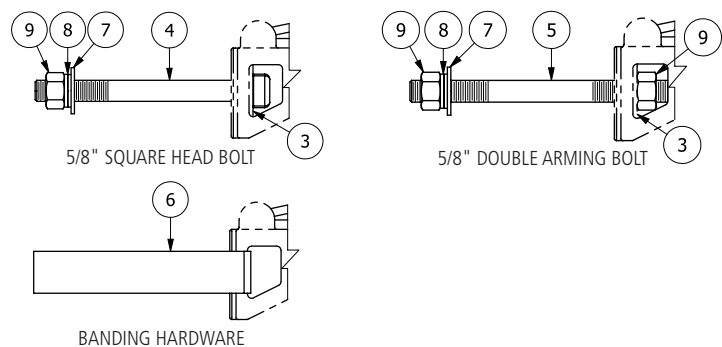
1. Trunnion Support Assembly
2. Bushings



BUSHING NUMBER		CABLE O.D. RANGE		BUSHING COLOR CODE	MAXIMUM SPAN CAPABILITIES USING NESC LOADS IN FEET/ METERS	ESTIMATED WEIGHT	
"A"	"B"	INCHES	MM			HEAVY	LBS
420	420	.420-.474	10.67-12.04	Black	600/182.9	3.99	1.810
475	475	.475-.525	12.07-13.34	Blue	600/182.9	3.99	1.810
526	526	.526-.575	13.36-14.61	Orange	600/182.9	3.99	1.810
576	576	.576-.625	14.63-15.88	Brown	600/182.9	3.98	1.805
626	626	.626-.675	15.90-17.15	Green	600/182.9	3.98	1.805
676	676	.676-.725	17.17-18.42	White	600/182.9	3.97	1.801
726	726	.726-.775	18.44-19.69	Red	600/182.9	3.97	1.801
776	776	.776-.825	19.71-20.96	Purple	600/182.9	3.96	1.796
826	826	.826-.875	20.98-22.23	Yellow	600/182.9	3.96	1.796
876	876	.876-.925	22.25-23.50	Pink	500/152.4	3.96	1.796
926	926	.926-.959	23.52-24.36	Blue + White	CONTACT AFL	3.96	1.796
960	960	.960-1.045	24.38-26.54	Gray	CONTACT AFL	3.96	1.796

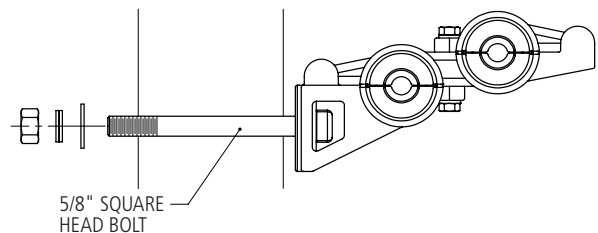
Customer Supplied Materials

3. Square Washer 2" x 2" - 5/8"
4. Square Head Bolt - 5/8"
5. Double Arming Bolt - 5/8"
6. Stainless Steel Band
7. Flat Washer - 5/8"
8. Double Coil Lock Washer
9. Square Nut - 5/8"



Installation Instructions – Using Square Head Bolt

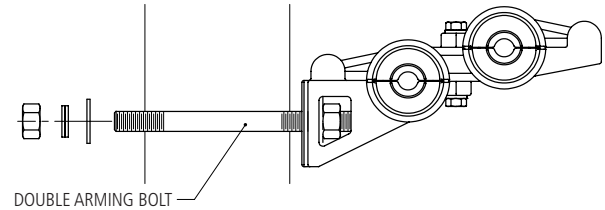
1. At attachment location of tangent support, drill through pole for a 5/8" diameter bolt. If installation is to be done with banding, ignore steps 1 and 2 and continue at "Installation with Band."
2. Insert square head bolt through square washer, tangent support and drilled hole in pole.
3. Tighten in place with flat washer, double coil lock washer and square nut. Nut to be tightened to 40 lbf-ft.



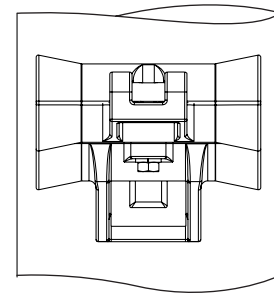
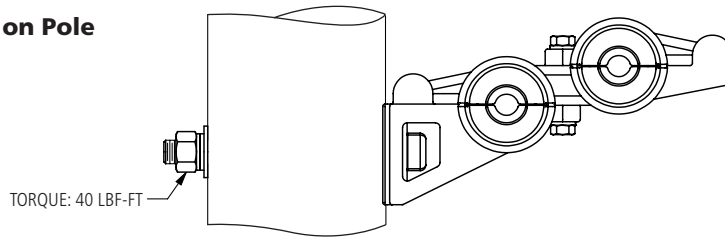
Installation Instructions for ADSS Double Trunnion Support (continued)

Installation Instructions – Using Double Arming Bolt

1. At attachment location of tangent support, drill through pole for a 5/8" diameter bolt. If installation is to be done with banding, ignore steps 1 and 2 and continue at "Using Stainless Steel Banding."
2. Insert double arming bolt through square washer, hole in tangent support and drilled hole in pole. Orient support to be properly positioned on pole.
3. Tighten in place with flat washer, double coil lock washer and square nut. Nut to be tightened to 40 lbf-ft.

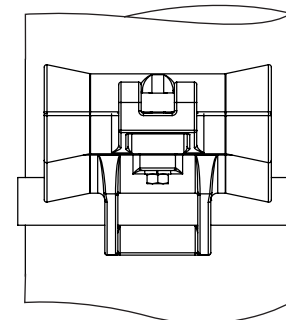
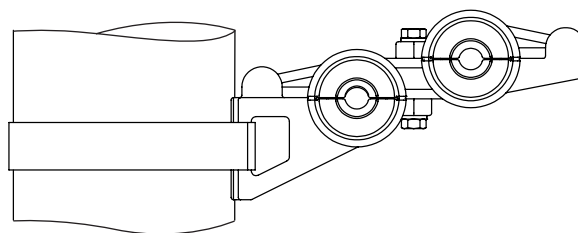


Installed on Pole



Installation Instructions – Using Stainless Steel Banding

1. Band the tangent support securely to the pole at the approximate location.
2. The stainless steel band is to be located as illustrated (banding furnished by customer).



Installation Instructions – Cable Installation

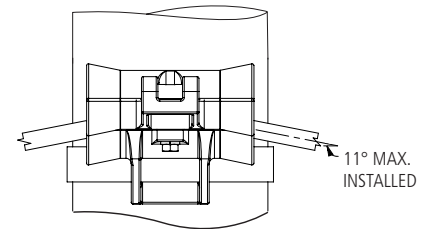
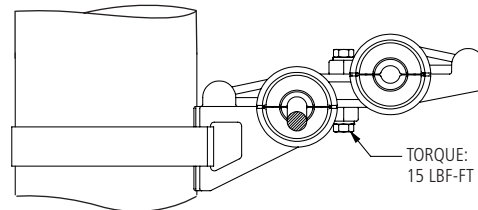
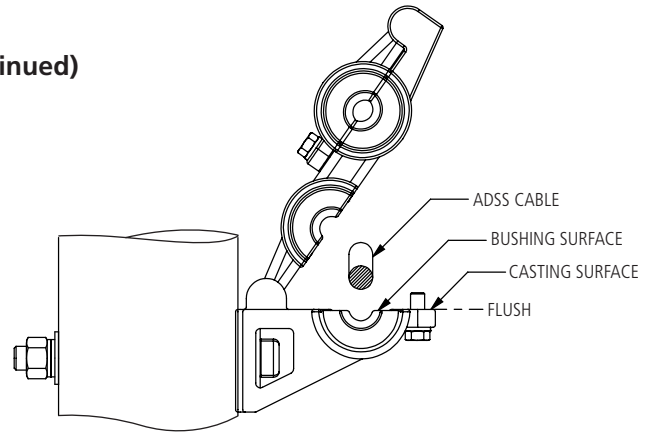
NOTE: Tangent support is designed for short span lengths, low loads, and a maximum line angle (horizontal plane) and sag angle (vertical plane) of 22 degrees (11 degrees per side).

STRINGING: With bushings removed, the tangent support assembly can be used as a stringing device. The inside surfaces of the tangent support have a smooth finish for low friction cable installation. Maximum line angle for stringing and sagging is 7.5 degrees, and a total line angle of 15 degrees. If greater line angle is encountered, use a stringing wheel. Follow cable manufacturer's recommendation for stringing tensions. Amount of structures used for stringing must not exceed 30.

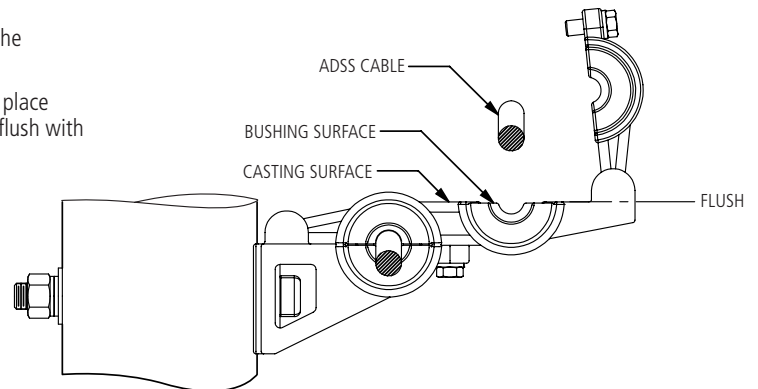
Installation Instructions for ADSS Double Trunnion Support (continued)

Cable Installation- Clamping

1. After stringing and sagging is complete, loosen 3/8" diameter clamping bolt and open the ADSS Double Trunnion Support.
2. Lift ADSS cable (use sling if necessary) and place bushings in assembly body and keeper. Ensure bushing is flush with casting surfaces.
3. Place cable in bushing groove. Close the assembly firmly onto the cable and then squeeze to seat the cable into the top groove. While holding the assembly closed, hand-tighten the bolt. Tighten the bolt further to 15 lbf-ft.



4. Loosen the upper 3/8" diameter clamping bolt and open the ADSS Double Trunnion Support.
5. Repeat Step 2: Lift ADSS cable (use sling if necessary) and place bushings in assembly body and keeper. Ensure bushing is flush with casting surfaces.



6. Repeat Step 3: Place cable in bushing groove. Close the assembly firmly onto the cable and then squeeze to seat the cable into the top groove. While holding the assembly closed, hand-tighten the bolt. Tighten the bolt further to 15 lbf-ft.

7. Assembly is now complete.

