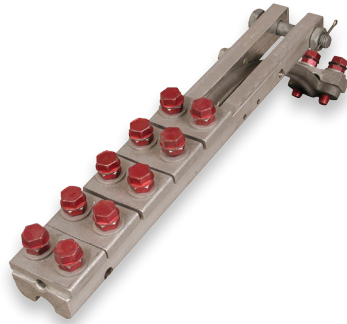


## Bolted Dead End for OPGW

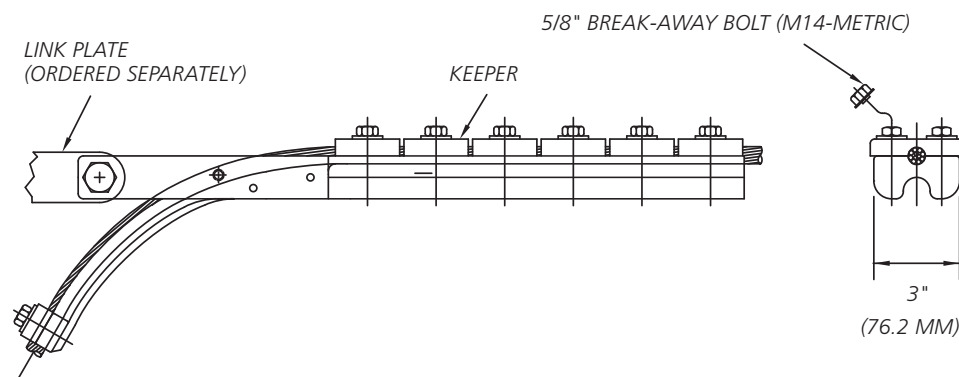
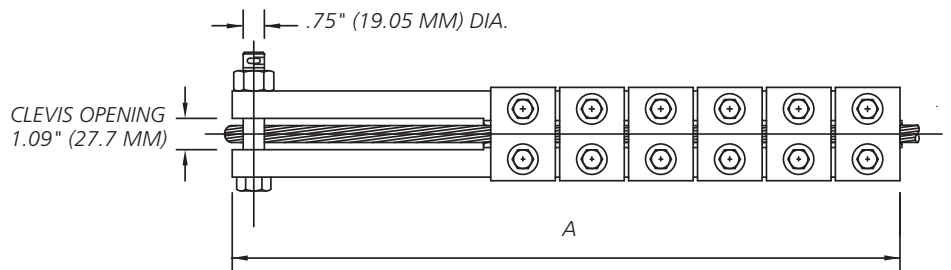
The AFL Dead End is a full tension termination for Optical Ground Wire cable. Break-away head bolts are used to apply a precise gripping force to hold the cable without affecting optical fiber performance.



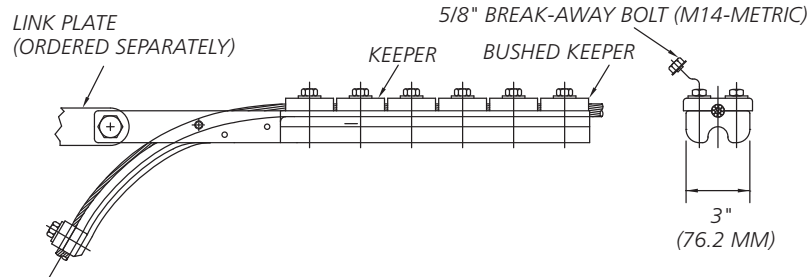
*Bolted Dead End with Cable Guide*

### Features

- Performance: Sustained load equivalent to 95% of cable RBS
- Ultimate mechanical strength of dead end components: 40,000 lbs.
- Break-away bolts ensure proper installation torque while eliminating the need for specialized torque wrenches
- Optional Cable Guide (recommended) to train Optical Ground Wire down or around structure
- Drilled and tapped for grounding lug, eliminating additional accessories for electrical bonding
- Shorter than formed wire dead ends, allowing installation from the support structure
- Faster installation than competitive designs, reducing installation costs
- Optional link plate available for extension from structures (see next page)



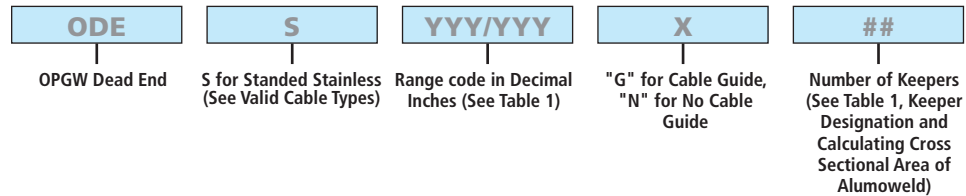
## Bolted Dead End for OPGW (Stranded Stainless Steel Tube Type Cable)



HexaCore  
ODES



MiniCore  
ODES



- NOTES:**
1. For installation instructions, see pg 128.
  2. Bushed end keeper not considered in number of keepers.
  3. Cables above 26,000 lbs RBS have to be tested.
  4. This deadend is approved only for AFL cables.

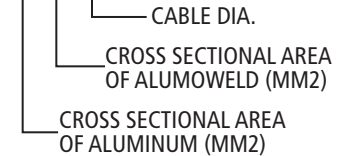
OPGW RBS	PERCENT ALUMOWELD > 33%			PERCENT ALUMOWELD LESS THAN 33%		
	NO. OF * KEEPERS	KEEPER DESIGNATION	DIMENSION "A"	NO. OF * KEEPERS	KEEPER DESIGNATION	DIMENSION "A"
14000 OR LESS	7	07	28.38	8	08	30.78
14001-17000	8	08	30.78	9	09	33.18
17001-21000	9	09	33.18	10	10	35.58
21000-26000	10	10	35.58	11	11	37.98
26001-ABOVE**	11	11	37.98	11	11	37.98

\* NUMBER OF KEEPERS DOES NOT INCLUDE THE END BUSHED KEEPER.  
 \* NUMBER OF KEEPERS NOT TO EXCEED 11.  
 \*\* SEE NOTE 3.

**CALCULATING CROSS SECTIONAL AREA OF ALUMOWELD (PERCENT)**  
 $AW\ AREA\ PERCENT = ((AW\ AREA) / (AW\ AREA + ALUMINUM\ AREA)) * 100$   
 IF THE AW AREA PERCENT IS LESS THAN 33%, ADD ONE KEEPER.

**AFL CABLE DESCRIPTION**

S3—109/45/673

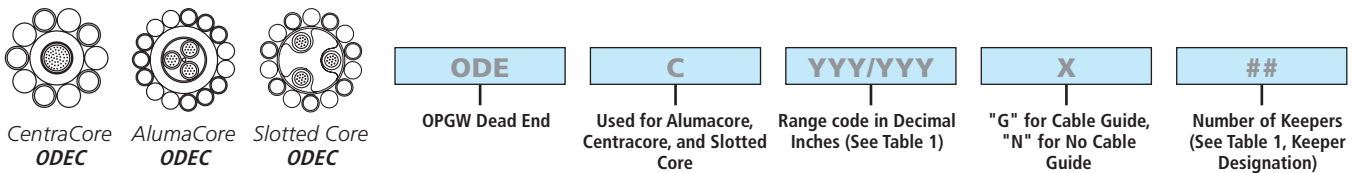
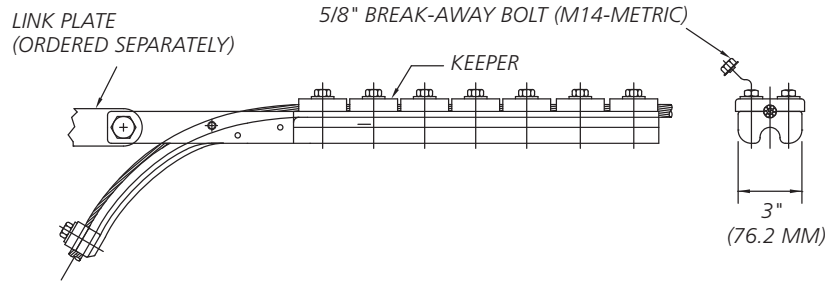


AFL NO.	CABLE DIAMETER RANGE	
	MIN	MAX
ODES350/359GXX	0.350	0.359
ODES360/369GXX	0.360	0.369
ODES370/379GXX	0.370	0.379
ODES380/389GXX	0.380	0.389
ODES390/399GXX	0.390	0.399
ODES400/409GXX	0.400	0.409
ODES410/419GXX	0.410	0.419
ODES420/429GXX	0.420	0.429
ODES430/439GXX	0.430	0.439
ODES440/449GXX	0.440	0.449
ODES450/459GXX	0.450	0.459
ODES460/469GXX	0.460	0.469
ODES470/479GXX	0.470	0.479
ODES480/489GXX	0.480	0.489

AFL NO.	CABLE DIAMETER RANGE	
	MIN	MAX
ODES490/499GXX	0.490	0.499
ODES500/509GXX	0.500	0.509
ODES510/519GXX	0.510	0.519
ODES520/529GXX	0.520	0.529
ODES530/539GXX	0.530	0.539
ODES540/549GXX	0.540	0.549
ODES550/559GXX	0.550	0.559
ODES560/569GXX	0.560	0.569
ODES570/579GXX	0.570	0.579
ODES580/589GXX	0.580	0.589
ODES590/599GXX	0.590	0.599
ODES600/609GXX	0.600	0.609
ODES610/619GXX	0.610	0.619
ODES620/629GXX	0.620	0.629

AFL NO.	CABLE DIAMETER RANGE	
	MIN	MAX
ODES630/639GXX	0.630	0.639
ODES640/649GXX	0.640	0.649
ODES650/659GXX	0.650	0.659
ODES660/669GXX	0.660	0.669
ODES670/679GXX	0.670	0.679
ODES680/689GXX	0.680	0.689
ODES690/699GXX	0.690	0.699
ODES700/709GXX	0.700	0.709
ODES710/719GXX	0.710	0.719
ODES720/729GXX	0.720	0.729
ODES730/739GXX	0.730	0.739
ODES740/749GXX	0.740	0.749

## Bolted Dead End for OPGW (Core Tube Type Cable)



- NOTES:** 1. For installation instructions, see pg 128.  
 2. This deadend is approved only for AFL cables.  
 3. Cables above 30,000 lbs RBS have to be tested.

OPGW RBS	NO. OF * KEEPERS	KEEPER DESIGNATION	DIMENSION "A"
14000 OR LESS	7	07	25.98
14001 - 17000	8	08	28.38
17001 - 21000	9	09	30.78
21000 - 26000	10	10	33.18
26001 - 30000	11	11	35.58
IF > 30001*	12	12	37.98

\* SEE NOTE 3

AFL NO.	CABLE DIAMETER RANGE	
	MIN	MAX
ODEC350/359GXX	0.350	0.359
ODEC360/369GXX	0.360	0.369
ODEC370/379GXX	0.370	0.379
ODEC380/389GXX	0.380	0.389
ODEC390/399GXX	0.390	0.399
ODEC400/409GXX	0.400	0.409
ODEC410/419GXX	0.410	0.419
ODEC420/429GXX	0.420	0.429
ODEC430/439GXX	0.430	0.439
ODEC440/449GXX	0.440	0.449
ODEC450/459GXX	0.450	0.459
ODEC460/469GXX	0.460	0.469
ODEC470/479GXX	0.470	0.479
ODEC480/489GXX	0.480	0.489

AFL NO.	CABLE DIAMETER RANGE	
	MIN	MAX
ODEC490/499GXX	0.490	0.499
ODEC500/509GXX	0.500	0.509
ODEC510/519GXX	0.510	0.519
ODEC520/529GXX	0.520	0.529
ODEC530/539GXX	0.530	0.539
ODEC540/549GXX	0.540	0.549
ODEC550/559GXX	0.550	0.559
ODEC560/569GXX	0.560	0.569
ODEC570/579GXX	0.570	0.579
ODEC580/589GXX	0.580	0.589
ODEC590/599GXX	0.590	0.599
ODEC600/609GXX	0.600	0.609
ODEC610/619GXX	0.610	0.619
ODEC620/629GXX	0.620	0.629

AFL NO.	CABLE DIAMETER RANGE	
	MIN	MAX
ODEC630/639GXX	0.630	0.639
ODEC640/649GXX	0.640	0.649
ODEC650/659GXX	0.650	0.659
ODEC660/669GXX	0.660	0.669
ODEC670/679GXX	0.670	0.679
ODEC680/689GXX	0.680	0.689
ODEC690/699GXX	0.690	0.699
ODEC700/709GXX	0.700	0.709
ODEC710/719GXX	0.710	0.719
ODEC720/729GXX	0.720	0.729
ODEC730/739GXX	0.730	0.739
ODEC740/749GXX	0.740	0.749