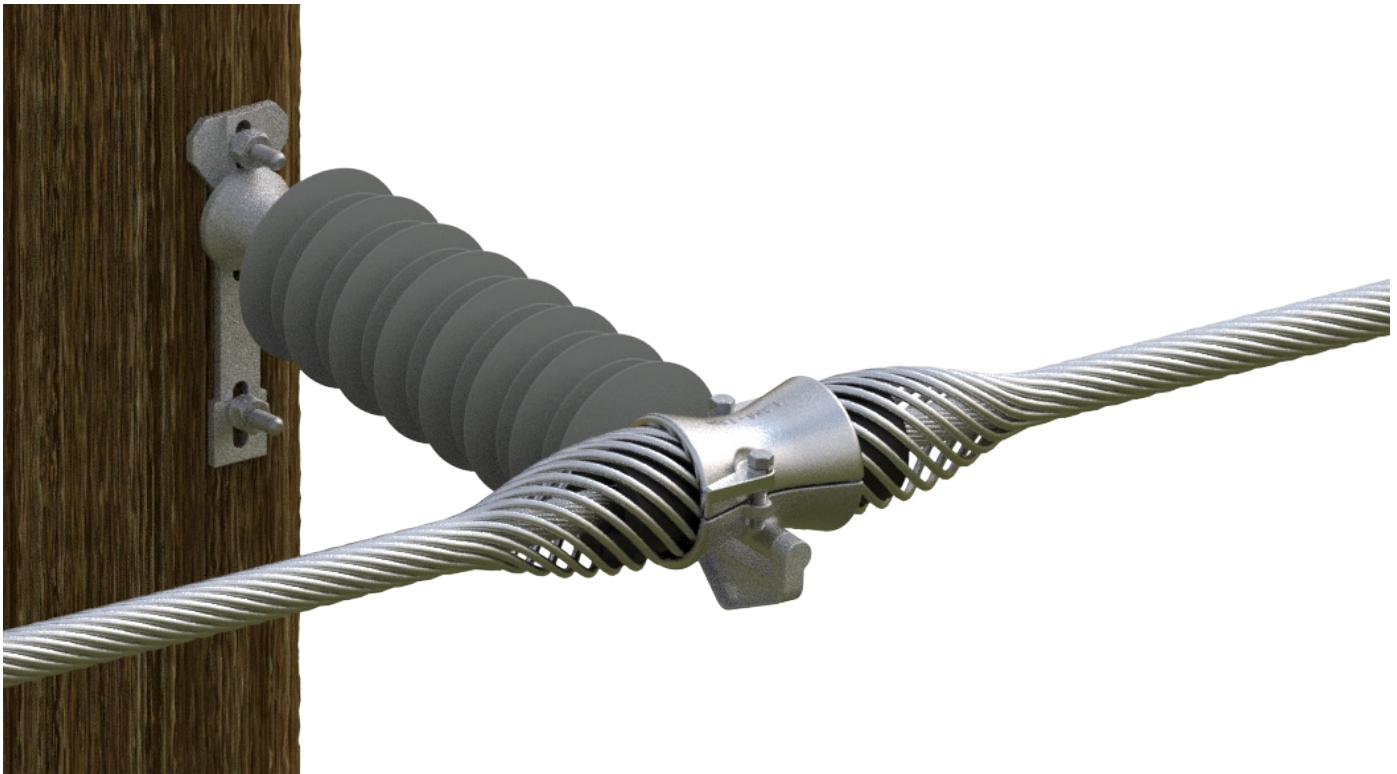




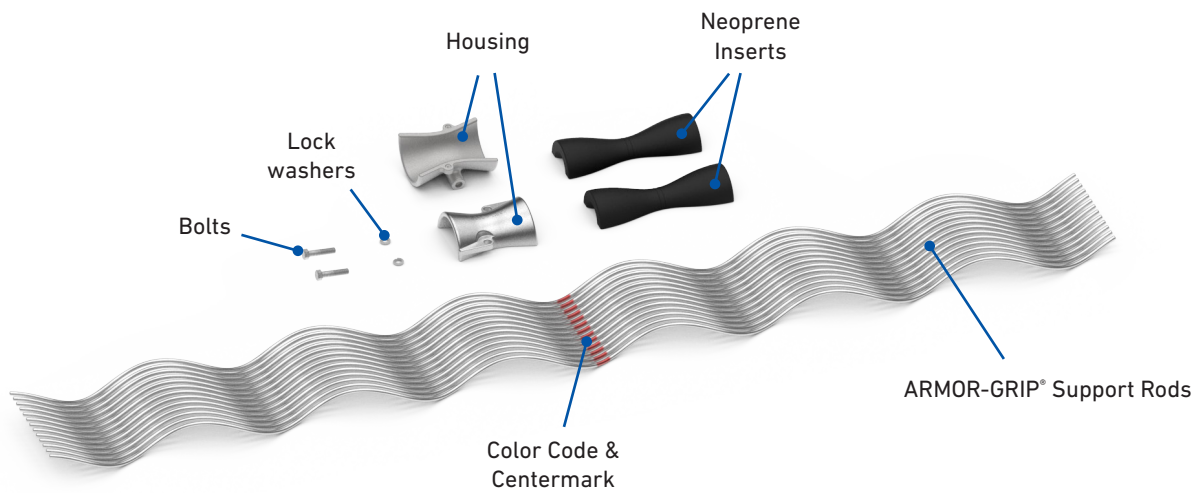
ARMOR-GRIP® SUPPORT

The **ARMOR-GRIP Support (AGS)** is intended for use on aluminum conductors. It offers maximum protection against static and dynamic bending stresses at the cable support point.

FEATURES AND BENEFITS

- Reduces negative effects of wind-induced cable motion, such as aeolian vibration and galloping
- Cushioned insert surrounds the conductor to provide superior protection against wind- and ice-induced dynamic forces
- Aluminum alloy reinforcement is molded into each insert half to provide increased stiffness
- PARROT BILL® Armor Rods suitable for EHV use (345 kV and above)
- High-temperature version available for 250°C continuous operation

COMPONENTS



ARMOR-GRIP® Support

Characteristic	Specification
Unbalanced/Slip Load	10% - 20% of the conductor RBS
Maximum Pull-off Load	5,000 lb pull-off force in any direction
Maximum Line Angle	30° for single support, 60° for double support

ORDERING INFORMATION

- Add an "HT" suffix code for High-Temperature support (250°C Continuous Operating Temperature) (**EXAMPLE: AGS-5265HT**)
- For Double ARMOR-GRIP Support applications, contact PLP for a specially engineered solution

ARMOR-GRIP® Support

Catalog Number	Conductor Range		Rod Diameter	Rod Length	Rods per Set	Color Code
	in	mm	in (mm)	in (mm)		
AGS-5265	0.390 - 0.404	9.89 - 10.26	0.128 (3.2)	36 (914.4)	11	Yellow
AGS-5266	0.405 - 0.418	10.27 - 10.62	0.128 (3.2)	36 (914.4)	11	Brown
AGS-5267	0.419 - 0.434	10.63 - 11.02	0.128 (3.2)	36 (914.4)	11	Green
AGS-5268	0.435 - 0.450	11.03 - 11.43	0.128 (3.2)	36 (914.4)	11	Blue
AGS-5269	0.451 - 0.470	11.44 - 11.93	0.125 (3.2)	36 (914.4)	12	White
AGS-5270	0.471 - 0.481	11.94 - 12.22	0.128 (3.2)	36 (914.4)	12	Green
AGS-5255	0.482 - 0.499	12.23 - 12.67	0.167 (4.2)	30 (762.0)	10	Red
AGS-5200	0.500 - 0.512	12.68 - 13.00	0.167 (4.2)	30 (762.0)	10	Blue
AGS-5201	0.513 - 0.530	13.01 - 13.46	0.167 (4.2)	30 (762.0)	11	Green
AGS-5202	0.531 - 0.542	13.47 - 13.77	0.167 (4.2)	30 (762.0)	11	Yellow
AGS-5203	0.543 - 0.555	13.78 - 14.10	0.182 (4.6)	34 (863.6)	10	Black
AGS-5204	0.556 - 0.573	14.11 - 14.55	0.182 (4.6)	34 (863.6)	11	White
AGS-5205	0.574 - 0.594	14.56 - 15.10	0.182 (4.6)	34 (863.6)	11	Brown
AGS-5206	0.595 - 0.606	15.11 - 15.39	0.182 (4.6)	34 (863.6)	11	Orange
AGS-5207	0.607 - 0.619	15.40 - 15.73	0.182 (4.6)	34 (863.6)	11	Purple
AGS-5208	0.620 - 0.645	15.74 - 16.38	0.182 (4.6)	38 (965.2)	12	Red
AGS-5209	0.646 - 0.673	16.39 - 17.10	0.204 (5.2)	41 (1041.4)	11	Blue
AGS-5210	0.674 - 0.690	17.11 - 17.53	0.204 (5.2)	41 (1041.4)	11	Green
AGS-5211	0.691 - 0.710	17.54 - 18.03	0.204 (5.2)	41 (1041.4)	12	Yellow
AGS-5212	0.711 - 0.731	18.04 - 18.57	0.204 (5.2)	41 (1041.4)	12	Black

ORDERING INFORMATION

ARMOR-GRIP® Support

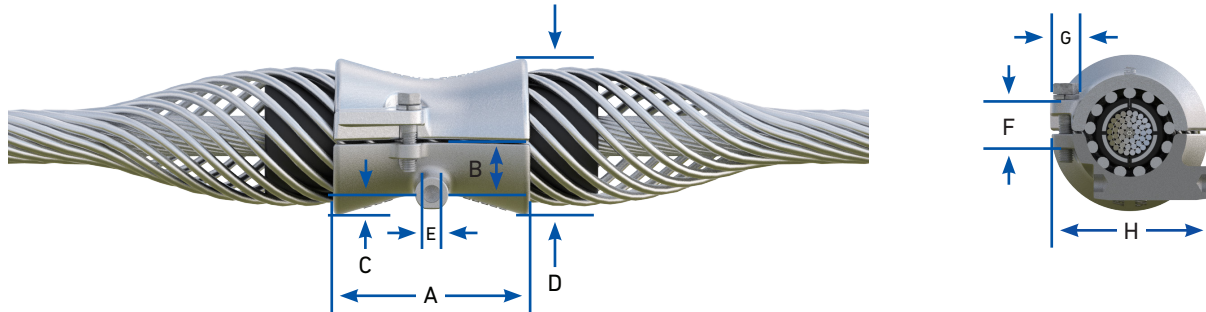
Catalog Number	Conductor Range		Rod Diameter in (mm)	Rod Length in (mm)	Rods per Set	Color Code
	in	mm				
AGS-5213	0.732 - 0.750	18.58 - 19.05	0.204 (5.2)	41 (1041.4)	12	White
AGS-5214	0.751 - 0.768	19.06 - 19.50	0.250 (6.3)	45 (1143.0)	10	Brown
AGS-5215	0.769 - 0.795	19.51 - 20.19	0.250 (6.3)	45 (1143.0)	11	Orange
AGS-5216	0.796 - 0.824	20.20 - 20.93	0.250 (6.3)	45 (1143.0)	11	Purple
AGS-5217	0.825 - 0.845	20.94 - 21.47	0.250 (6.3)	48 (1219.2)	11	Red
AGS-5218	0.846 - 0.870	21.48 - 22.10	0.250 (6.3)	48 (1219.2)	11	Blue
AGS-5219	0.871 - 0.893	22.11 - 22.68	0.250 (6.3)	48 (1219.2)	12	Green
AGS-5220	0.894 - 0.907	22.69 - 23.03	0.250 (6.3)	48 (1219.2)	12	Green
AGS-5221	0.908 - 0.920	23.04 - 23.37	0.250 (6.3)	53 (1346.2)	12	Yellow
AGS-5222	0.921 - 0.937	23.38 - 23.80	0.250 (6.3)	53 (1346.2)	12	Black
AGS-5223	0.938 - 0.962	23.81 - 24.43	0.250 (6.3)	53 (1346.2)	12	White
AGS-5224	0.963 - 0.986	24.44 - 25.04	0.250 (6.3)	53 (1346.2)	13	Brown
AGS-5225	0.987 - 1.005	25.05 - 25.53	0.250 (6.3)	62 (1574.8)	13	Orange
AGS-5226	1.006 - 1.022	25.54 - 25.96	0.310 (7.8)	62 (1574.8)	11	Purple
AGS-5227	1.023 - 1.040	25.97 - 26.42	0.310 (7.8)	62 (1574.8)	11	Red
AGS-5228	1.041 - 1.074	26.43 - 27.28	0.310 (7.8)	62 (1574.8)	11	Blue
AGS-5229	1.075 - 1.090	27.29 - 27.69	0.310 (7.8)	62 (1574.8)	12	Green
AGS-5230	1.091 - 1.118	27.70 - 28.40	0.310 (7.8)	62 (1574.8)	12	Yellow
AGS-5231	1.119 - 1.136	28.41 - 28.85	0.310 (7.8)	62 (1574.8)	12	Black
AGS-5232	1.137 - 1.152	28.86 - 29.26	0.310 (7.8)	62 (1574.8)	12	White
AGS-5233	1.153 - 1.175	29.27 - 29.85	0.310 (7.8)	62 (1574.8)	12	Brown
AGS-5234	1.176 - 1.208	29.86 - 30.68	0.310 (7.8)	62 (1574.8)	12	Orange

ORDERING INFORMATION

ARMOR-GRIP® Support

Catalog Number	Conductor Range		Rod Diameter	Rod Length	Rods per Set	Color Code
	in	mm	in (mm)	in (mm)		
AGS-5235	1.209 - 1.226	30.69 - 31.14	0.365 (9.3)	71 (1803.4)	11	Purple
AGS-5236	1.227 - 1.259	31.15 - 31.98	0.365 (9.3)	71 (1803.4)	11	Red
AGS-5237	1.260 - 1.286	31.99 - 32.67	0.365 (9.3)	71 (1803.4)	12	Blue
AGS-5238	1.287 - 1.314	32.68 - 33.38	0.365 (9.3)	71 (1803.4)	12	Green
AGS-5239	1.315 - 1.355	33.39 - 34.42	0.365 (9.3)	71 (1803.4)	12	Yellow
AGS-5240	1.356 - 1.394	34.43 - 35.41	0.365 (9.3)	78 (1981.2)	12	Black
AGS-5241	1.395 - 1.416	35.42 - 35.97	0.365 (9.3)	78 (1981.2)	13	White
AGS-5242	1.417 - 1.442	35.98 - 36.62	0.365 (9.3)	78 (1981.2)	13	Brown
AGS-5243	1.443 - 1.477	36.63 - 37.52	0.365 (9.3)	78 (1981.2)	13	Orange
AGS-5244	1.478 - 1.516	37.53 - 38.51	0.365 (9.3)	78 (1981.2)	13	Purple
AGS-5245	1.517 - 1.557	38.52 - 39.55	0.365 (9.3)	78 (1981.2)	13	Red
AGS-5246	1.558 - 1.579	39.56 - 40.11	0.365 (9.3)	90 (2286.0)	14	Blue
AGS-5247	1.580 - 1.612	40.12 - 40.95	0.365 (9.3)	90 (2286.0)	14	Green
AGS-5248	1.613 - 1.650	40.96 - 41.91	0.365 (9.3)	90 (2286.0)	14	Yellow
AGS-5249	1.651 - 1.688	41.92 - 42.82	0.365 (9.3)	90 (2286.0)	15	Black
AGS-5250	1.689 - 1.711	42.83 - 43.46	0.365 (9.3)	90 (2286.0)	15	White
AGS-5251	1.721 - 1.752	43.47 - 44.50	0.365 (9.3)	90 (2286.0)	15	Brown
AGS-5252	1.753 - 1.790	44.51 - 45.47	0.365 (9.3)	90 (2286.0)	15	Orange
AGS-5253	1.791 - 1.828	45.48 - 46.43	0.365 (9.3)	90 (2286.0)	15	Purple

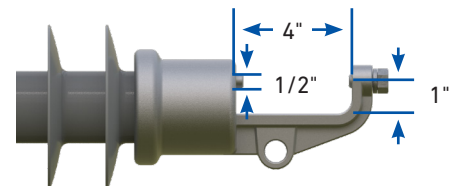
DIMENSIONS



Conductor Range		Dimensions in (mm)							
in	mm	A	B	C	D	E	F	G	H
0.390 - 0.481	9.89 - 12.22	2-17/32 (64.3)	5/8 (15.9)	49/64 (19.5)	1-61/64 (24.2)	19/32 (15.1)	2 (50.8)	3/4 (19.0)	3-7/8 (98.4)
0.482 - 0.542	12.23 - 13.77	3 (76.2)	5/8 (15.9)	1 (25.4)	2-3/8 (60.3)	19/32 (15.1)	2 (50.8)	3/4 (19.0)	3-7/8 (98.4)
0.543 - 0.619	13.78 - 15.73	3-1/8 (79.4)	13/32 (10.3)	7/8 (22.2)	2-17/32 (64.3)	19/32 (15.1)	2 (50.8)	3/4 (19.0)	3-7/8 (98.4)
0.620 - 0.645	15.74 - 16.38	3-1/8 (79.4)	13/32 (10.3)	7/8 (22.2)	2-17/32 (64.3)	19/32 (15.1)	2 (50.8)	3/4 (19.0)	3-7/8 (98.4)
0.646 - 0.750	16.39 - 19.05	3-3/4 (95.3)	5/8 (15.9)	53/64 (21.0)	2-3/4 (69.8)	19/32 (15.1)	2 (50.8)	3/4 (19.0)	3-7/8 (98.4)
0.751 - 0.907	19.06 - 23.03	4-1/2 (114.3)	3/4 (19.0)	27/32 (21.4)	3-13/64 (81.4)	19/32 (15.1)	2-1/4 (57.1)	3/4 (19.0)	3-7/8 (98.4)
0.908 - 1.005	23.04 - 25.53	5 (127.0)	1-1/8 (28.6)	21/32 (16.7)	3-19/32 (91.3)	19/32 (15.1)	2-1/4 (57.1)	3/4 (19.0)	3-7/8 (98.4)
1.006 - 1.208	25.54 - 30.68	5-1/2 (139.7)	1-5/16 (33.3)	13/16 (20.6)	4-3/16 (106.4)	19/32 (15.1)	2-1/4 (57.1)	3/4 (19.0)	3-7/8 (98.4)
1.209 - 1.355	30.69 - 34.42	6 (152.4)	1-1/2 (38.1)	13/16 (20.6)	4-5/8 (117.5)	19/32 (15.1)	2-1/4 (57.1)	3/4 (19.0)	3-7/8 (98.4)
1.356 - 1.557	34.43 - 39.55	6-1/2 (165.1)	1-5/8 (41.3)	29/32 (23.0)	5-7/64 (129.8)	19/32 (15.1)	2-1/4 (57.1)	3/4 (19.0)	3-7/8 (98.4)
1.558 - 1.828	39.56 - 46.43	7 (177.8)	1-15/16 (49.2)	49/64 (19.5)	5-13/32 (137.3)	19/32 (15.1)	2-1/4 (57.1)	3/4 (19.0)	3-7/8 (98.4)

Clamp Top Trunnion

To ensure proper fit and service life, it is recommended that only line post insulators with clamp top trunnion caps that conform to ANSI standards be used. See the illustration on the right for nominal cap dimensions that illustrate ANSI standards that have been established outlining the permissible dimensions and tolerances for trunnion caps. Consult the insulator manufacturer when in doubt about insulator standards.



The above dimensions are approximates for design information. Consult ANSI specification C29.7-2015 for exact dimensions.