

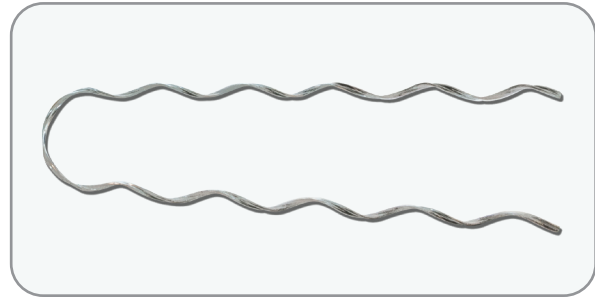
## Service Dead End

### MATERIALS

**Dead End** - Manufactured of aluminum covered steel.

**Color code and crossover marks** - Identifies conductor size and indicates application starting point.

**Identification tag** - Shows catalog number, conductor diameter range, and nominal conductor size



### General Recommendations

Service Dead Ends are used to make service drops on bare neutral messengers of self supporting cable. They are designed for minimum length, maximum economy and neatness of appearance. Service Dead Ends should not be reused after original installation. They are designed to be applied to spool insulators or wire holders having a smooth contour with diameters no less than 1 inch and no greater than 3 inches.

### Rated Holding Strength

The mechanical strength of Service Dead Ends meets or exceeds NESC Grade "N", rule 263-E, Supply Services, for spans not exceeding 150 feet. For service drops exceeding 150 feet. Distribution Dead Ends are recommended. For direct application onto plastic jacketed conductors Coated Dead Ends are recommended.

The published Rated Holding Strengths listed on page 5 are actual test results on unweathered conductor and are conservative when compared to typical values.

### Tapping

Tapping over the applied legs of the Service Dead End is not recommended. Taps should be located either six inches from the gritted legs or on the neutral tail continued past the crossover point.

### Vibration

When vibration is suspected or encountered, Distribution Dead Ends should be used since the design of Service Dead Ends are not intended for use under vibration conditions.

*continued*



## Service Dead End Aluminized Steel

### Selection Information

AFL NO.	DIA. RANGE INCHES	NOMINAL CONDUCTOR SIZE	UNITS PER CARTON	WT. PER CARTON POUNDS	APPLIED LENGTH INCHES	COLOR CODE
SG 043	.169 -.198	#6, 6/1 #6, 7W All Aluminum #6, 7W Aluminum Alloy	300	24	11	Blue
SG 050	.199-.224	#5, 6/1 #4, Solid #5, 7W Aluminum Alloy	300	27	12	White
SG 057	.225 -.257	#4, 6/1, 7/1 #4, 7W All Aluminum #4, 7W Aluminum Alloy	300	29	13	Orange
SG 065	.258-.289	#3, 6/1 #3, 7W All Aluminum #2, Solid #3, 7W Aluminum Alloy	200	27	14	Black
SG 073	.290-.325	#2, 6/1, 7/1 #2, 7W All Aluminum #2, 7W Aluminum Alloy	200	28	15	Red
SG 083	.326-.360	#1, 6/1 #1.7W All Aluminum #1.7W Aluminum Alloy	200	31	17	Green
SG 091	.361 - .400	1/0,6/1 1/0, 7W All Aluminum 1/0, 7W Aluminum Alloy	100	28	19	Yellow
SG 102	.401 - .450	2/0,6/1 2/0, 7W All Aluminum 2/0, 7W Aluminum Alloy	100	31	21	Blue
SG 114	.451 - .510	3/0,6/1 3/0, 7W All Aluminum 3/0, 7W Aluminum Alloy	100	33	23	Orange
SG 130	.511-.580	4/0,6/1,18/1 4/0, 7W All Aluminum 4/0, 7W Aluminum Alloy	100	37	26	Red

### Right-Hand Lay Standard

*continued*





## Service Dead End Aluminized Steel

### Rated Holding Strength for Aluminum Based Conductor

AFL NO.	ACSR	ALL ALUMINUM	ALUMINUM ALLOY
SG 043	#6, 6/1 585 lbs. (50%)	#6, 7W 488 lbs. (88%) #5, Solid 549 lbs. (88%)	#6, 7W 840 lbs. (80%)
SG 050	#5, 6/1 730 lbs. (50%)	#4, Solid 772 lbs. (88%)	#5, 7W 1,080 lbs. (50%)
SG 057	#4, 6/1 915 lbs. (50%) #4, 7/1 1,144 lbs. (50%)	#4, 7W 770 lbs. (88%) #3 Solid 854 lbs. (88%)	#4, 7W 1,336 lbs. (80%)
SG 065	#3, 6/1 1,125 lbs. (50%)	#3, 7W 900 lbs. (88%) #2 Solid 1,078 lbs. (88%)	#3, 7W 1,720 lbs. (80%)
SG 073	#2, 6/1 1,395 lbs. (50%)	#2, 7W 1,175 lbs. (88%)	#2, 7W 2,124 lbs. (80%)
SG 083	#1, 6/1 1,740 lbs. (50%)	#1, 6/1 1,430 lbs. (88%)	#1, 7W 2,736 lbs. (80%)
SG 091	1/0, 6/1 2,140 lbs. (50%) 1/0, 5/1 1,698 lbs. (50%)	1/0, 7W 1,734 lbs. (88%)	1/0, 7W 3,384 lbs. (80%)
SG 102	2/0, 6/1 2,673 lbs. (50%)	2/0, 7W 2,182 lbs. (88%)	2/0, 7W 4,044 lbs. (80%)
SG 114	3/0, 6/1 3,338 lbs. (50%)	3/0, 7W 2,644 lbs. (88%)	3/0, 7W 5,092 lbs. (80%)
SG 130	4/0, 6/1 4,210 lbs. (50%) 4/0, 18/1 2,523 lbs. (50%)	4/0, 7W 3,335 lbs. (88%)	4/0, 7W 6,420 lbs. (80%)