Big-Grip Dead-end

Weight: 0.00kg
Dimensions: 0.00cm x 0.00cm x 0.00cm

Description
Big-Grip Dead-ends are designed for use on Transmission, Antenna, Communications, and other types of guyed structures that require use of large guy strand.

Features
• Made from material which is compatible with the strand they are designed to be used with except where noted otherwise.
• Intended for single use but may be reapplied twice for retensioning within 90 days on initial installation.

Documentation
Application Procedures

SP-2049-6 (Big-Grip Dead-end)

Catalog Pages

Big-Grip Dead-end - Energy Transmission Catalog

Big-Grip Dead-end - Distribution Catalog

Big-Grip Dead-end - Communications Catalog

Big-Grip Dead-end - Special Industries Catalog

Part Tables
Galvanized Strand

For use on: Extra High Strength, Siemens Martin High Strength, Utilities

Grade

Catalog Number	Size (in)	Strand Construction	Actual Diameter (in)	BG Per Carton (Units)	BG Per Carton (wt/lbs)	Approx. Length (in)	Color Code	Rated Holding Strength (lbs)	Percent of Strands Rated Breaking Strength
BG-2140	1/8	7W	.123	100	11	14	Blue	1,830	(100%)
BG-2142	3/16	7W	.186	100	33	23	Red	3,990	(100%)
BG-2144	1/4	3W 7W	.259 .240	50	25	27	Yellow	6,650	(100%)
BG-2145	9/32	7W	.279	50	29	30	Blue	8,950	(100%)
BG-2146	5/16	3W 7W	.312 .312	50	41	33	Black	11,200	(100%)
BG-2147	3/8	3W 7W	.356 .360	25	33	37	Orange	15,400	(100%)
BG-2148	7/16	7W	.435	25	47	40	Green	20,800	(100%)
BG-2115	1/2	7W or 19W	.495 or .500	20	63	49	Blue	26,900	(100%)
BG-2116	9/16	7W or 19W	.564 or .565	10	48	55	Yellow	35,000	(100%)
BG-2111	5/8	7W or 19W	.621 or . 625	10	65	64	Black	7W 42,400 19W 40,200	(100%) (100%)
BG-1112	3/4	19W	.750	5	54	76	Orange	58,300	(100%)
BG-1113	7/8	19W	.885	5	76	90	Green	79,700	(100%)
BG-1114	1	19W or 37W	1.000 or 1.001	3	76	125	Blue	19W 104,500 37W 92,430	(100%) (90%)+

Left-hand lay is standard.
+ Down-Rated for 37 stranding (1994)

EXPLANATORY NOTES:

(1) For strand sizes smaller than 1/2", refer to the GUY-GRIP® Dead-end.
(2) Reference Table 1 earlier in this section for acceptable fitting dimensions.
(3) Cabled loop design is furnished as standard for all sizes.
(4) Rated Holding Strengths (RHS) of the Big-Grip Dead-ends are listed for each strand and are expressed as a percent of the strand's Rated Breaking Strength (RBS).
(5) C-Coat galvanized steel is standard for all Big-Grip Dead-ends unless otherwise stated.
(6) B-Coat galvanized steel is used for the Big-Grip Dead-ends used on 3/4", 7/8", and 1" strand.
(7) The Aluminum Clad Steel version of the 7/8" and 1" Big-Grip are still available as catalog numbers BGMS7023 (7/8") and BGMS7047 (1").
(8) Consult PLP for sizes and stranding not shown.

For use on: Aluminum Clad Steel Strand

Catalog Number	Strand Diameter Ranges (Inches)		Nominal Strand Size	BG Per Carton		Approx. Length (Inches)	Color Code	Rated Holding Strength (lbs)	(Percent of Strand's Rated Breaking Strength)
	Min	Max		Units	Wt/lbs				
BG-4202	.174	.181	3 # 12	100	22	19	Orange	2,850	(100%)
BG-4208	.219	.230	4M 3 # 10	50	21	22	Green	4,532	(100%)
BG-4210	.237	.247	7 # 12 6M	50	22	24	Yellow	6,000	(100%)
BG-4213	.270	.280	3 # 8 8M	50	24	27	Blue	8,000	(100%)
BG-4216	.303	.313	3 # 7 10M 5/16 7 #10	50	32	29	Black	10,000	(100%)
BG-4220	.343	.355	3 # 12.5M 11/32 7 # 9	50	45	32	Yellow	12,500	(100%)
BG-4221	.350	.364	14M	50	60	35	Blue	14,000	(100%)
BG-4223	.380	.394	3 # 5 3/8 7 # 8 16M	50	62	36	Orange	16,000	(100%)
BG-4225	.410	.426	18M	25	43	39	Black	18,000	(100%)
BG-4226	.427	.442	7/16 7# 7	25	44	40	Green	19,060	(100%)
BG-4227	.443	.459	20M	25	57	41	Yellow	20,000	(100%)
BG-4168	.475	.494	7 # 6	25	60	42	Blue	22,730	(100%)
BG-4169	.495	.515	19 # 10	25	62	44	Green	27,190	(100%)
BG-4170	.516	.536	25M	20	66	47	Red	25,000	(100%)
BG-4171	.537	.555	7 # 5	20	67	48	Yellow	27,030	(100%)
BG-4172	.556	.570	-	15	68	49	Blue	33,330	
BG-4173	.571	.591	19 # 9	20	68	50	Orange	34,290	(100%)
BG-4174	.592	.612	-	16	50	50	Green	34,450	
BG-4175	.613	.635	-	10	49	54	Yellow	45,000	
BG-4176	.636	.661	19 # 8	10	50	56	Black	43,240	(100%)
BG-4177	.662	.686	19 x .1363"	10	66	59	Blue	47,400	(100%)
BG-4178	.687	.712	-	10	68	61	Red	54,200	
BG-4179	.713	.741	19 # 7 37 #10	10	70	63	Black	51,730 50,300	(100%) (95%)+
BG-4180	.742	.772	19 x .1499"	5	41	71	Yellow	54,300	(100%)
The Following Products Are For The Specific Cables Listed.									
	Actual Diameters								
BG-4181	.792		19 x .1584"	5	50	80	Blue	59,000	
BG-4183	.801, .810, .827		37 # 9 19 # 6 19 x .1660"	5	69	84	Green	63,430 61,700 63,000	(95%)+ (100%) (100%)
BG-4185	.849, .850, .866		37 x .121" 19 x .170" 19 x .173" 37 x .123"	5	68	87	Black	71,250 66,000 68,500 74,100	(95%)+ (100%) (100%) (95%)+
BG-4186	.899		37 # 8	5	76	91	Yellow	80,000	(95%)+
BG-4187	.910 .934		19 # 5 19 x .1868"	5	78	93	Blue	73,350 75,000	(100%) (100%)
BG-4188	.981		37 x .1404"	4	52	95	Red	90,250	(95%)+
BG-4189	1.01		37 # 7	4	85	108	Green	90,600	(90%)+
BG-4190	1.10		37 x .1571"	3	84	117	Black	101,700	(90%)+
BG-4191	1.134		37 # 6	3	86	120	Yellow	108,200	(89%)
BG-4192	1.27		37 # 5	2	82	151	Red	127,000	(89%)

Left-hand lay is standard..
+ Down-Rated for 37 stranding (1994)

For use on: Galvanized Steel Structural Strand (Bridge)

Left Hand Lay

Catalog Number	Big-Grip Made From:	Strand Construction	Nominal Strand Size (Inches)	BG Per Carton (Units)	BG Per Carton (W/ Lbs)	Approx Length (Inches)	Number of Individual Rods in Each Big-Grip	Color Code	Cables Published Rated Breaking Strength (Lbs)	Big-Grip Rated Holding Strength (Lbs)
BG-MS-6599	C-Coat Galvanized Steel	19W	1/2	10	39	52	5	Orange	30,000	30,000
BG-MS-7648	C-Coat Galvanized Steel	19W	9/16	10	49	55	5	Yellow	38,000	38,000
BG-MS-6446	B-Coat Galvanized Steel	19W	5/8	10	77	67	4	Black	48,000	48,000
BG-MS-1035	C-Coat Galvanized Steel	19W	11/16	5	54	74	5	Blue	58,000	58,000
BG-MS-3690	Aluminum Clad Steel Strand	19W	3/4	5	69	84	4	Orange	68,000	68,000
BG-MS-2759	Aluminum Clad Steel Strand	19W	13/16	5	73	85	5	Red	80,000	80,000
BG-MS-7346	Aluminum Clad Steel Strand	19W	7/8	3	58	94	5	Orange	92,000	92,000
BG-MS-7656	Aluminum Clad Steel Strand	19W	15/16	3	74	121	5	Blue	108,000	101,300

Right Hand Lay

Catalog Number	Big-Grip Made From:	Strand Construction	Nominal Strand Size (Inches)	BG Per Carton (Units)	BG Per Carton (W/ Lbs)	Approx Length (Inches)	Number of Individual Rods in Each Big-Grip	Color Code	Cables Published Rated Breaking Strength (Lbs)	Big-Grip Rated Holding Strength (Lbs)
BG-MS-0717	C-Coat Galvanized Steel	19W	1/2	10	39	52	5	Orange	30,000	30,000
BG-MS-6604	C-Coat Galvanized Steel	19W	9/16	10	49	55	5	Blue	38,000	38,000
BG-MS-2617	B-Coat Galvanized Steel	19W	5/8	10	77	67	4	Black	48,000	48,000
BG-MS-6654	C-Coat Galvanized Steel	19W	11/16	5	54	74	5	Green	58,000	58,000
BG-MS-0704	Aluminum Clad Steel Strand	19W	3/4	5	69	84	4	Black	68,000	68,000
BG-MS-0721	Aluminum Clad Steel Strand	19W	13/16	5	73	85	5	Red	80,000	80,000
BG-MS-5548	Aluminum Clad Steel Strand	19W	7/8	3	58	94	5	Orange	92,000	92,000
BG-MS-7260	Aluminum Clad Steel Strand	19W	15/16	3	74	121	5	Blue	108,000	101,300

Galvanized Strand

For use on: Extra High Strength, Siemens Martin Extra High Strength, Utilities Grade

Use with AOA Guy Strain Insulators : AOA-35; AOA-50; AOA-65; AOA-85; AOA-120

Catalog Number	Strand RTS (lbs)	Strand Size	Loop Diameter	Rated Loop Breaking Strength (lbs)
AOA-35			**Seat Diameter = 2-7/16"**	
BG-MS-5767	20,800	7/16"	2.875"	22,600
AOA-50			**Seat Diameter = 2-11/16"**	
BG-MS-5767	20,800	7/16"	2.875"	22,600
BG-MS-0751	26,900	1/2"	3.0"	29,900
BG-MS-4825	35,000	9/16"	3.5"	40,100
BG-MS-10754	42,400	5/8"	4.0"	45,300
AOA-65			**Seat Diameter = 3"**	
BG-MS-10417	42,400	5/8"	3.0"	45,300
BG-MS-9935	58,300	3/4"	4.25"	85,300
AOA-85			**Seat Diameter = 4-3/16"**	
BG-MS-9932	35,000	9/16"	4.25"	40,100
BG-MS-9935	58,300	3/4"	4.25"	85,300
BG-MS-7346	79,700	7/8"	4.25"	106,600
AOA-120			**Seat Diameter = 4-5/8"**	
BG-MS-10018	58,300	3/4"	4.5"	85,300
BG-MS-9936	79,700	7/8"	4.625"	106,600
BG-MS-14219	104,500 (19w)	1"	5"	106,600
	92,343 (37w)			95,900

Left-hand lay is standard.