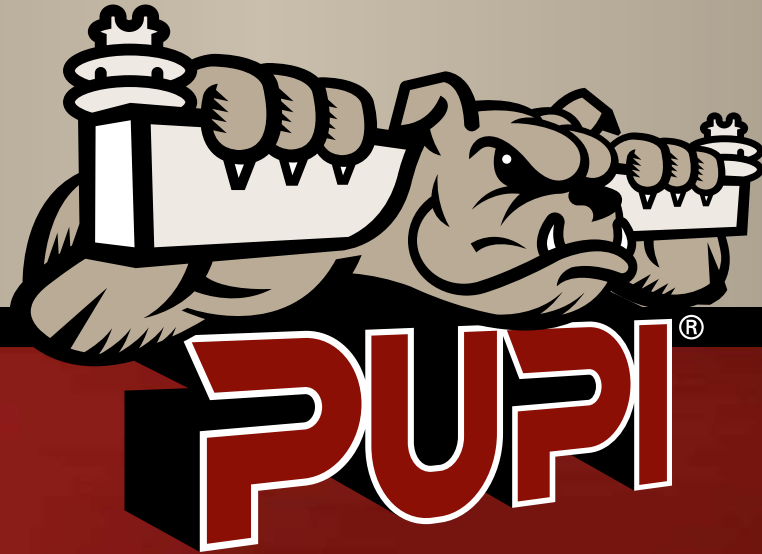


PUPI® DISTRIBUTION PRODUCT CATALOG



One Tough PUPI™



WHY PUPU®

- DURABILITY** - PUPU crossarms are a product of GEOTEK, an internationally recognized producer of reinforced pultruded products for the electrical utility, animal containment, nursery and consumer markets. GEOTEK brings over 40 years of pultrusion experience to the PUPU manufacturing process.
- RELIABILITY** -
- LONGEVITY** -
- CUSTOMER FOCUS** - PUPU is the leading brand of fiberglass crossarms and an innovator in pultruded fiberglass components. We provide specially designed crossarms and components used by electrical utilities around the world. Engineered for superior load capacity and resistance to ultraviolet radiation and weathering, leading utilities choose PUPU fiberglass components for consistent performance and long-term return on investment. We provide our customers the durability, reliability, longevity, and customer responsiveness they demand.
- LEADERSHIP** -

DISTRIBUTION PRODUCT CATALOG



TANGENT CROSSARMS

Experience the durability and reliability you desire in a PUPI tangent.

Pick one up and you'll see and feel the difference. PUPI Tangents weigh significantly less than wood beams but have up to six times the strength. The closed-cell polyurethane sealant is lightweight, field drillable and prevents moisture contamination. With impact-resistant end caps and exclusive TorqueGUARD™ bushings, PUPI tangents are available for center mount, braced or alley arm applications.

ADVANTAGES OF PUPI TANGENT CROSSARMS:

CENTER MOUNT:



- Light weight, easy to install and field drillable
- Last up to 3 times longer than wood

BRACED:



- TorqueGUARD™ bushings withstand bolt torque and increase pin connection strength
- SunGUARD® UV protection to withstand all climates

ALLEYARMS:



- Available for center mount, braced and alley arm applications

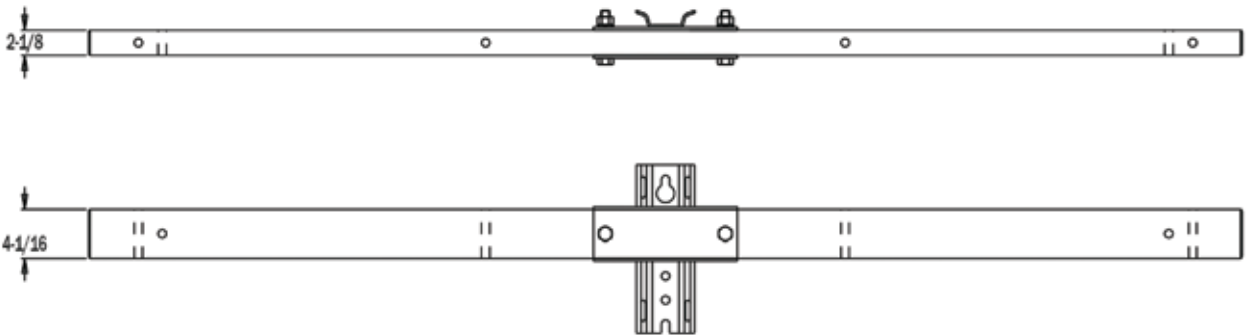


TANGENT CROSSARMS

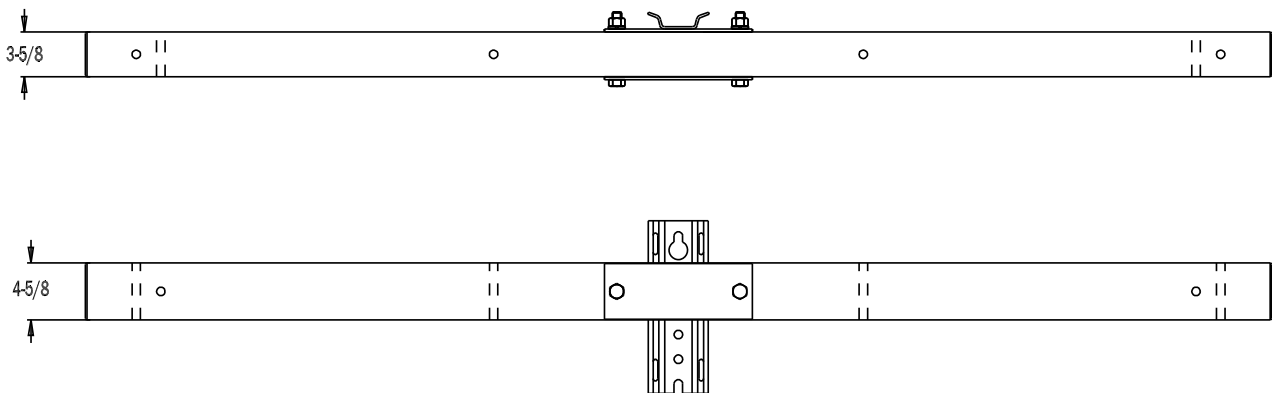
CENTER MOUNT

PUPI tangent crossarms with center mounts are engineered for easy installation and consistent performance. PUPI tangent crossarms utilize mounts that are as tough as our crossarms. Mounts are welded structural steel, hot dip galvanized to ASTM A123 or A153 standards.

SERIES 1000:



SERIES 2200, 2000, 2500, 3000:



Extensive standard product drawings available at pupicrossarms.com

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DISTRIBUTION PRODUCT CATALOG



TANGENT CROSSARMS

CENTER MOUNT

PUPI PRODUCT	LENGTH in ft	ULTIMATE VERTICAL LOAD PER SIDE, lbs	DEFLECTION PER 1000lb PER SIDE, inches	WEIGHT in lbs
SERIES 1000 (2" X 4")				
TB1000060	5	4,200	0.50	22
TB1000096	8	4,000	1.38	28
TB1000120	10	3,000	2.75	32
SERIES 2200 (3-5/8" X 4-5/8")				
TB2200096	8	3,500	0.76	34
TB2200120	10	2,750	1.34	39
SERIES 2000 (3-5/8" X 4-5/8")				
TB2000060	5	6,500	0.25	33
TB2000096	8	6,400	0.72	42
TB2000120	10	5,400	1.21	49
TB2000144	12	4,200	2.20	56
SERIES 2500 (3-5/8" X 4-5/8")				
TB2500096	8	7,500	0.55	44
TB2500120	10	6,000	0.95	51
TB2500144	12	5,500	1.31	58
SERIES 3000 (3-5/8" X 4-5/8")				
TB3000096	8	10,000	0.41	53
TB3000120	10	9,400	0.68	62
TB3000144	12	8,000	1.22	71

• PUPI crossarms are field-ready in standard sizes, or made-to-order and drilled to your specifications.

- Deflections are measured from center to phase attachment 4" from arm end.
- Drilling pattern, 8' arms: RUS 03, 04 or customer defined; 10' arms: RUS 05 or customer defined.
- Recommended maximum working load is 50% of ultimate strength.

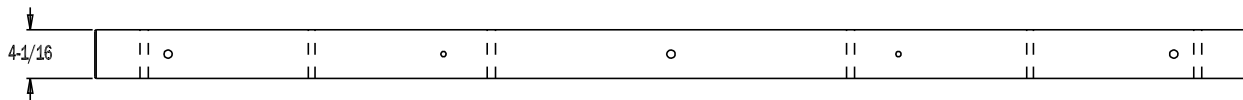
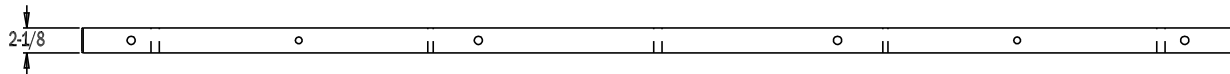
DISTRIBUTION PRODUCT CATALOG



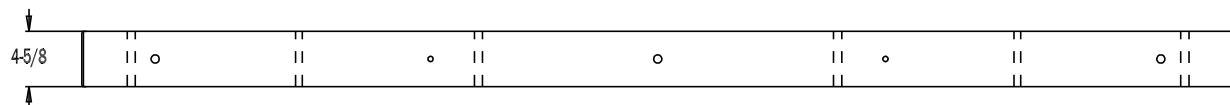
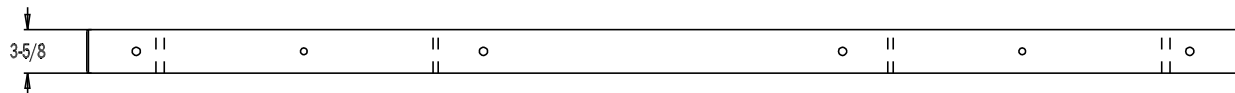
TANGENT CROSSARMS BRACED

Center mounts are most often used with PUPI crossarms but braces can be used if preferred. PUPI offers high-performance fiberglass braces, but PUPI crossarms are compatible with nearly any type of brace.

SERIES 1000:



SERIES 2200, 2000, 2500, 3000:



Extensive standard product drawings available at pupicrossarms.com

DISTRIBUTION PRODUCT CATALOG



TANGENT CROSSARMS BRACED

• PUPI crossarms are field-ready in standard sizes, or made-to-order and drilled to your specifications.

- Except when noted, vertical loads are measured with fiberglass or wood bottom braces.
- Deflections are measured from center to phase attachment 4" from arm end.
- Drilling pattern, 8' arms: RUS 03, 04 or customer defined; 10' arms: RUS 05 or customer defined.
- Recommended maximum working load is 50% of ultimate strength.

PUPI PRODUCT	LENGTH in ft	ULTIMATE VERTICAL LOAD PER SIDE, lbs	DEFLECTION PER 1000lb PER SIDE, inches	WEIGHT in lbs
SERIES 1000 (2" X 4")				
T1000096	8	3,300	1.00	17
T1000120	10	2,700	1.50	21
SERIES 2200 (3-5/8" X 4-5/8")				
T2200096	8*	2,740*	0.88*	20*
T2200096	8	3,500	0.76	20
T2200120	10	3,100	1.35	25
SERIES 2000 (3-5/8" X 4-5/8")				
T2000096	8	5,400	0.50	27
T2000120	10	4,600	0.90	34
SERIES 2500 (3-5/8" X 4-5/8")				
T2500096	8	6,000	0.40	29
T2500120	10	4,800	0.80	36
SERIES 3000 (3-5/8" X 4-5/8")				
T3000096	8	8,000	0.30	36
T3000120	10	7,500	0.70	45

*Vertical load measured with Side Mount Brace

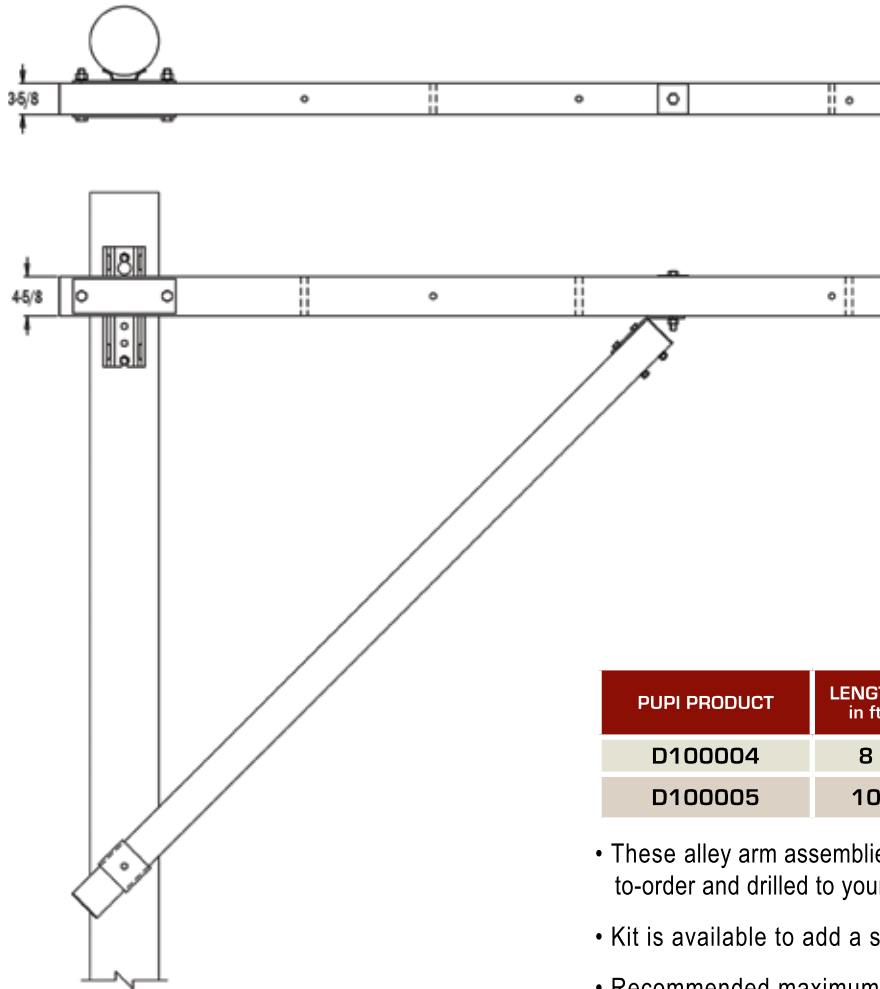
DISTRIBUTION PRODUCT CATALOG



TANGENT CROSSARMS

ALLEY ARMS

PUPI alley arm assemblies provide high strength and uniformity in nearly any length or drill configuration you need. From patented SunGUARD® UV protection and TorqueGUARD™ bushings to impact-resistant end caps, PUPI alley arms are built to outlast wood assemblies. Engineered for easy installation.



PUPI PRODUCT	LENGTH in ft	WIRES PER ARM	ULTIMATE VERTICAL LOAD PER SIDE
D100004	8	3	4,000
D100005	10	4	3,000

- These alley arm assemblies are available in these sizes, or made-to-order and drilled to your specifications.
- Kit is available to add a step to brace.
- Recommended maximum working load is 50% of ultimate strength.

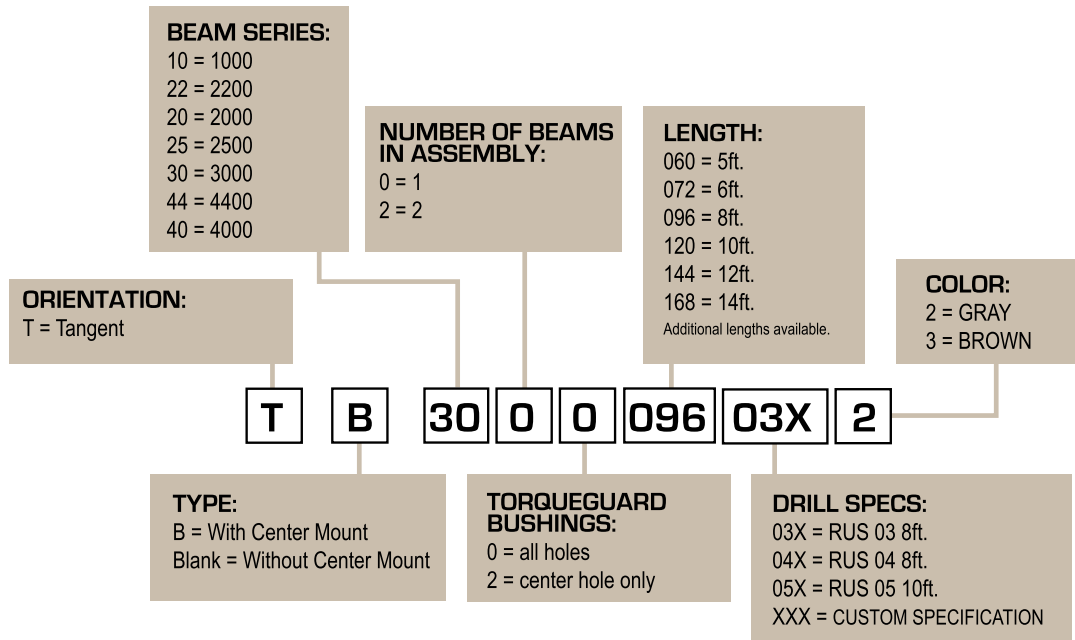
Extensive standard product drawings available at pupicrossarms.com

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DISTRIBUTION PRODUCT CATALOG



PUPI TANGENT PRODUCT NUMBER SYSTEM





DEADEND ASSEMBLIES

The longest field experience of any fiberglass deadend.

Not only are PUPI deadends engineered to outperform and outlast wood or other composite beams, they're often less expensive than wood at installation. With proven performance in every climate, PUPI deadend assemblies provide high strength and uniformity to give you the most reliable deadend available today. No other deadend assembly provides more weathering protection to provide superior longevity. Utilities large and small around the world choose PUPI deadend assemblies for strength, durability and value.

ADVANTAGES OF PUPI DEADEND ASSEMBLIES:



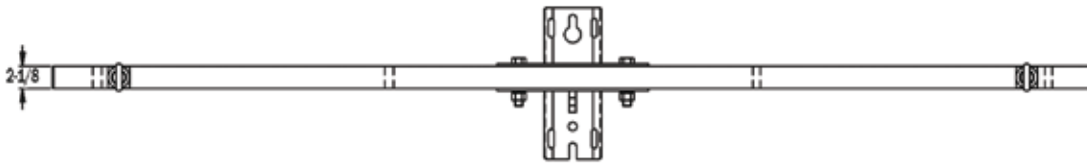
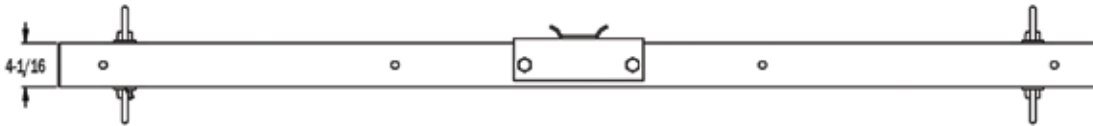
- High strength and uniformity
- Handles up to 29,400 lbs per attachment
- TorqueGUARD™ bushings withstand bolt torque and increase pin connection strength
- SunGUARD® UV coating for extreme weather protection in all climates
- Welded structural steel center mounts, galvanized to ASTM A123 or A153 standards

DISTRIBUTION PRODUCT CATALOG

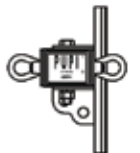
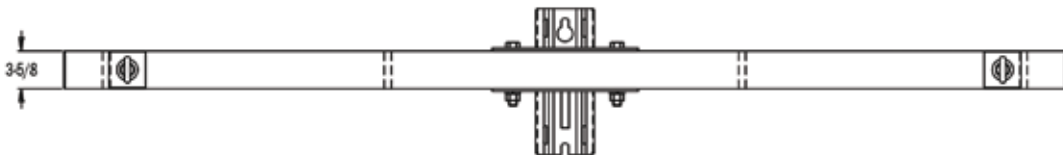
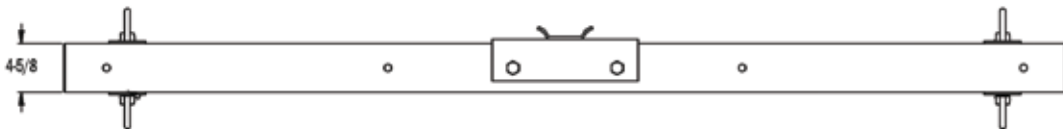


DEADEND ASSEMBLIES

SERIES 1000:



SERIES 2000, 2500, 3000



Extensive standard product drawings available at pupicrossarms.com

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DISTRIBUTION PRODUCT CATALOG



DEADEND ASSEMBLIES

PUPI PRODUCT	LENGTH in ft	WIRES PER ARM	ULTIMATE HORIZONTAL LOAD PER WIRE, lbs	DEFLECTION PER 1000lb PER WIRE, inches	WEIGHT INCLUDING MOUNT in lbs
SERIES 1000 (2" X 4")					
DA1000060	5	2	6,000	0.42	27
DA1000096	8	2	5,000	1.23	32
DA1000120	10	2	4,000	2.50	36
SERIES 2000 (3-5/8" X 4-5/8")					
DA2000060	5	2	9,000	0.20	43
DA2000096	8	2	8,000	0.59	52
DA2000096	8	4	6,000	0.90	57
DA2000120	10	2	6,500	1.26	59
DA2000120	10	4	5,000	1.68	65
SERIES 2500 (3-5/8" X 4-5/8")					
DA2500060	5	2	10,000	0.17	44
DA2500096	8	2	10,000	0.45	54
DA2500096	8	4	7,500	0.68	60
DA2500120	10	2	7,500	0.82	61
DA2500120	10	4	6,000	1.10	67
DA2500144	12	2	6,000	1.46	68
DA2500144	12	4	4,200	1.92	74
SERIES 3000 (3-5/8" X 4-5/8")					
DA3000060	5	2	14,700	0.13	51
DA3000096	8	2	14,700	0.37	63
DA3000096	8	4	11,300	0.56	72
DA3000120	10	2	13,000	0.66	72
DA3000120	10	4	10,000	0.92	81
DA3000144	12	2	10,000	1.15	86
DA3000144	12	4	7,000	1.52	95

• PUPI crossarms are field-ready in standard sizes, or made-to-order and drilled to your specifications.

• Deflections are measured from arm center to outer phase attachment 6" from arm end.

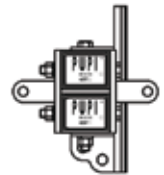
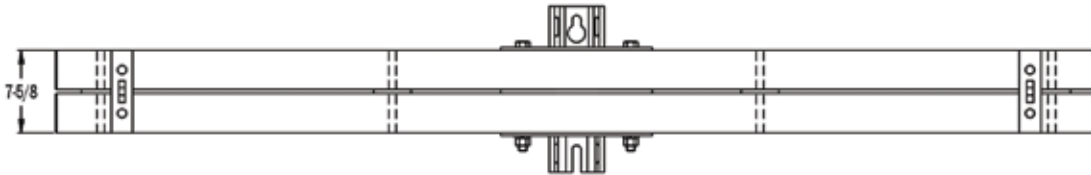
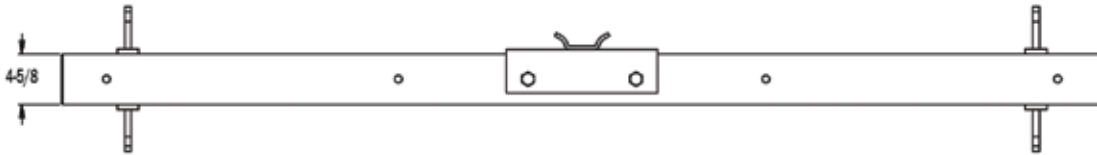
• Recommended maximum working load is 50% of ultimate strength.

DISTRIBUTION PRODUCT CATALOG

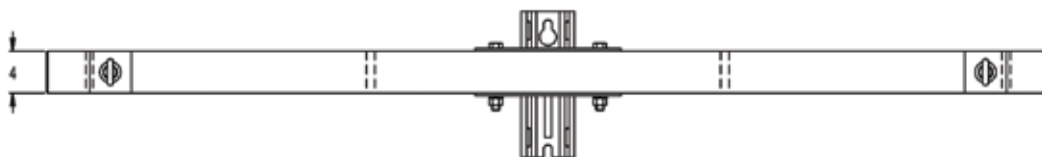
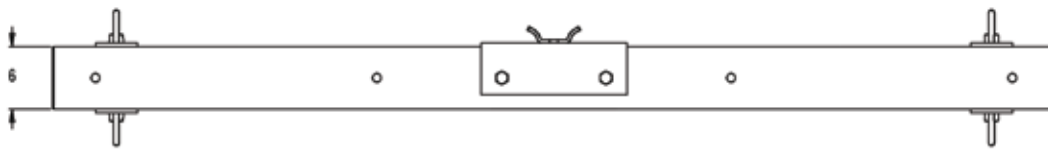


DEADEND ASSEMBLIES

SERIES 3020



SERIES 4000, 4400



Extensive standard product drawings available at pupicrossarms.com

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DISTRIBUTION PRODUCT CATALOG



DEADEND ASSEMBLIES

PUPI PRODUCT	LENGTH in ft	WIRES PER ARM	ULTIMATE HORIZONTAL LOAD PER WIRE, lbs	DEFLECTION PER 1000lb PER WIRE, inches	WEIGHT INCLUDING MOUNT in lbs
SERIES 3020 (Two 3-5/8" x 4-5/8") Double Stacked Arm					
DA3020096	8	2	29,400	0.20	111
DA3020096	8	4	22,600	0.30	120
DA3020120	10	2	26,000	0.33	129
DA3020120	10	4	20,000	0.46	138
DA3020144	12	2	20,000	0.59	147
DA3020144	12	4	14,000	0.78	156
DA3020168	14	2	16,000	0.93	165
DA3020168	14	4	12,000	1.24	174

• DA3020 has 12" pole attachment spacing; custom 16" spacing available.

SERIES 4400 (4" X 6")					
DA4400096	8	2	12,800	0.26	71
DA4400096	8	4	10,000	0.33	84
DA4400120	10	2	13,000	0.52	84
DA4400120	10	4	10,000	0.69	97
DA4400144	12	2	13,000	0.93	96
DA4400144	12	4	9,100	1.21	109

SERIES 4000 (4" X 6")					
DA4000096	8	2	17,000	0.17	71
DA4000096	8	4	13,000	0.22	84
DA4000120	10	2	17,000	0.30	84
DA4000120	10	4	13,000	0.41	97
DA4000144	12	2	17,000	0.59	96
DA4000144	12	4	12,000	0.77	109

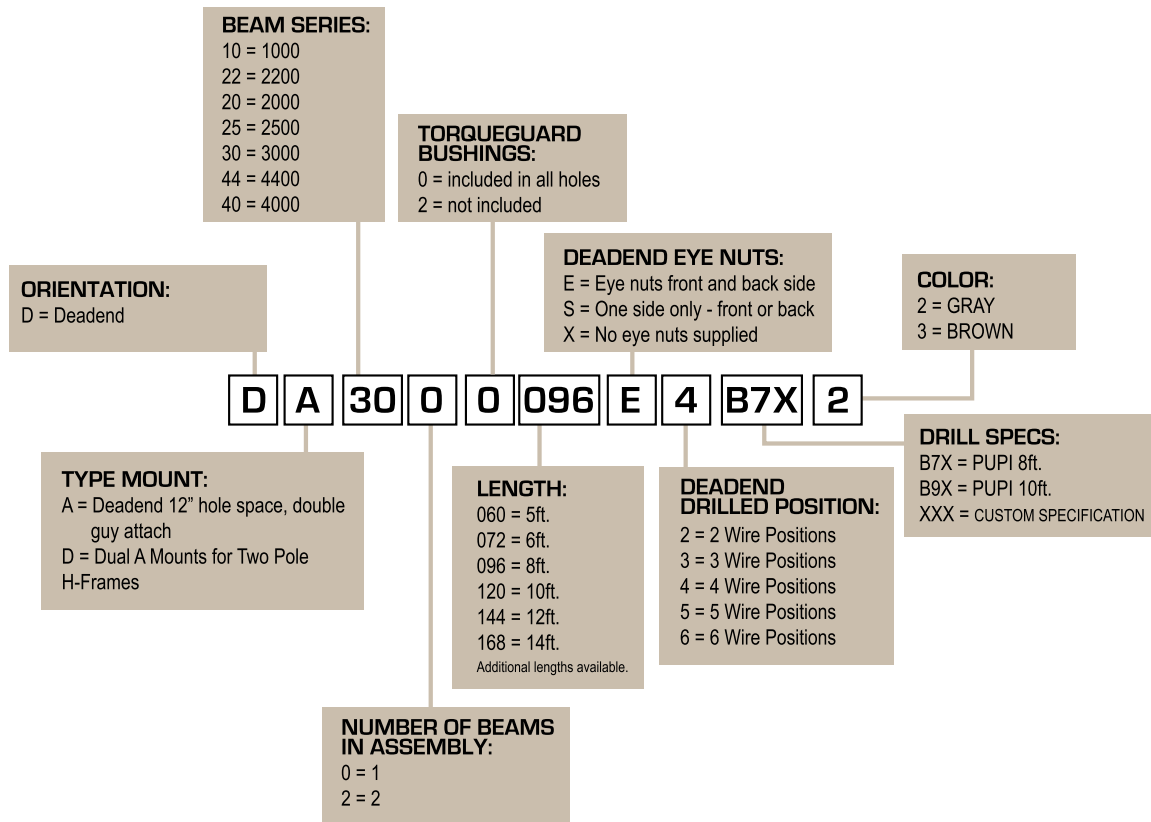
• PUPI crossarms are field-ready in standard sizes, or made-to-order and drilled to your specifications.

- Deflections are measured from arm center to outer phase attachment 6" from arm end.
- Recommended maximum working load is 50% of ultimate strength.

DISTRIBUTION PRODUCT CATALOG



PUPI DEADEND PRODUCT NUMBER SYSTEM



DISTRIBUTION PRODUCT CATALOG



BRACES & CENTER MOUNTS

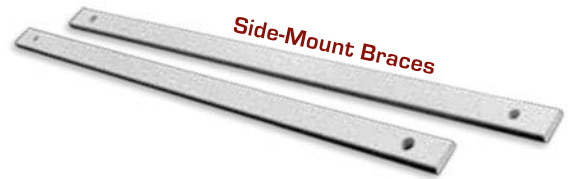
Engineered for easy installation and consistent performance.

PUPI FIBERGLASS BRACES

A stronger, more durable and cost effective alternative to wood braces. You can choose made-to-order lengths of PUPI fiberglass crossarm braces for side mount and bottom mount applications. Fiberglass braces are made from pultruded solid fiberglass profiles with our patented SunGUARD® UV coating for added UV protection. Bottom-mount brace ends are structural aluminum.

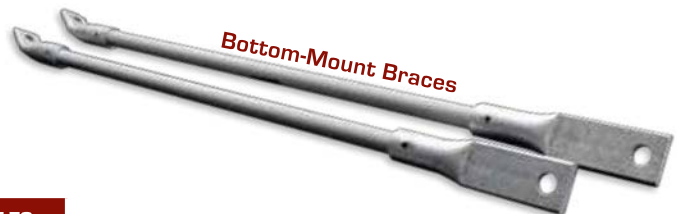
PUPI Side-Mount Braces

- B3818SMSPX12 = 38" span, 18" drop, 26" hole-to-hole, weight per pair, 1.75 lbs.
- 9/16" pole attach hole, 7/16" arm attach hole.
- Other lengths and hole sizes are available.
- Uses standard brace attachment hardware.



PUPI Bottom-Mount Braces

- B6018BMSPX22 = 60" span, 18" drop, 35" hole-to-hole, weight per pair, 3.75 lbs.
- B6030BMSPX22 = 60" span, 30" drop, 42.5" hole-to-hole, weight per pair, 4 lbs.
- 11/16" pole attach hole, 9/16" arm attach hole.
- Other lengths and hole sizes are available.
- Uses standard brace attachment hardware.



RUS Accepted Braces

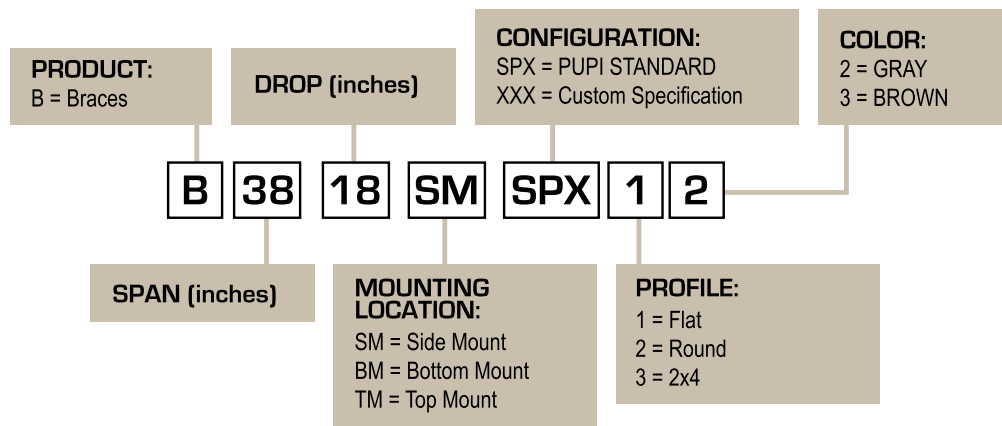
PUPI PRODUCT	SPAN	DROP	HOLE-TO-HOLE
B3818SMSPX12	38"	18"	26"
B6018BMSPX22	60"	18"	35"
B6030BMSPX22	60"	30"	42.5"

DISTRIBUTION PRODUCT CATALOG



BRACES & CENTER MOUNTS

BRACE PRODUCT NUMBERING SYSTEM



DISTRIBUTION PRODUCT CATALOG



BRACES & CENTER MOUNTS

TANGENT CENTER MOUNT SPECIFICATIONS

The same center mounts used on PUPI crossarms are available as stand alone kits.

PART NUMBER	FITS SERIES	POLE MOUNT HOLE SIZE	MOUNT LENGTH	POLE MOUNT HOLE SPACING	MOUNT PLATE THICKNESS	WEIGHT
TMB - 1	1000	5/8"	14"	8" - 10" - 12"	3/16"	10 lbs.
TMB - 2	2200, 2000, 2500	5/8"	14"	8" - 10" - 12"	3/16"	10 lbs.
TMB - 3	2000, 2500, 3000	3/4"	14"	8" - 10" - 12"	5/16"	14 lbs.
TMB - 4	2200, 2000, 2500	3/4"	14"	8" - 10" - 12"	3/16"	10 lbs.

MATERIALS: Welded structural steel, hot dip galvanized to ASTM A123 or A153.

POLE MOUNT SPACING: 8", 10", and 12"

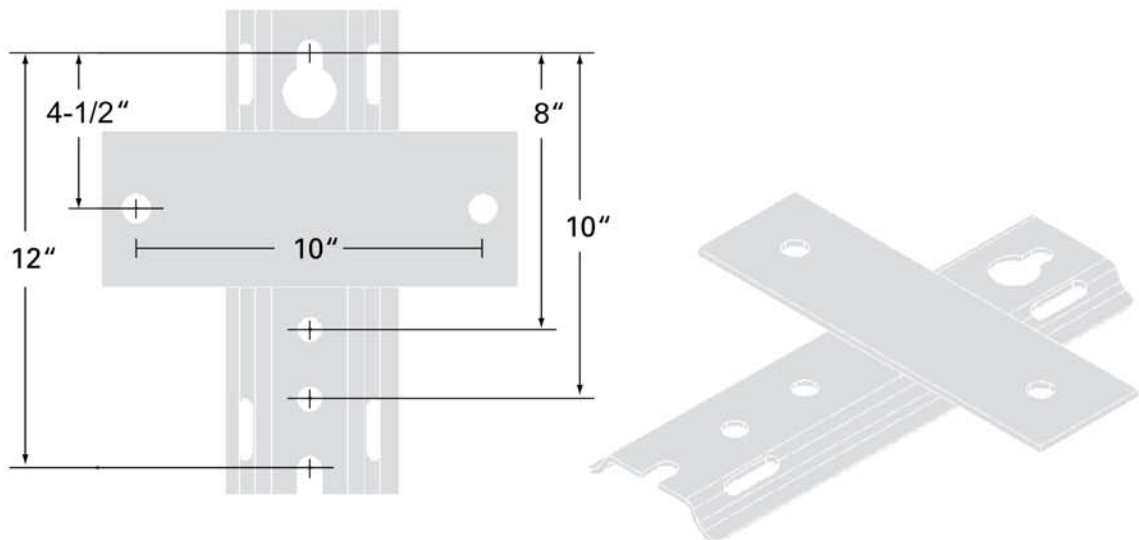
POLE ATTACHMENT HARDWARE: 5/8", or 3/4" Holes, as specified

MOUNT LENGTH: 14"

MOUNT WIDTH: 12"

BANDING SLOTS: 1-3/4" x 3/8"

Kits include a front plate matching the horizontal member of the back plate, along with galvanized bolts, nuts and washers for attachment to crossarm. Aluminum and custom mounts available upon request. These mounts are designed for distribution applications.



DISTRIBUTION PRODUCT CATALOG



BRACES & CENTER MOUNTS

DEADEND MOUNT SPECIFICATIONS:

The same center mounts used on our deadends are available as stand alone kits.

PART NUMBER	FITS SERIES	POLE MOUNT HOLE SIZE	MOUNT LENGTH	POLE MOUNT HOLE SPACING	MOUNT PLATE THICKNESS	WEIGHT
DMB - 009	1000	5/8"	14"	10" - 12"	3/16"	12 lbs.
DMB - 010	2000, 2500	5/8"	14"	12"	5/16"	18 lbs.
DMB - 008	2000, 2500, 3000	3/4"	14"	12"	5/16"	18 lbs.
DMB - 011	4400, 4000	3/4"	14"	12"	5/16"	22 lbs.

MATERIALS: Welded structural steel, hot dip galvanized to ASTM A123 or A153.

POLE MOUNT SPACING: 12" (Double guy attachment)

POLE ATTACHMENT HARDWARE 5/8", 3/4" Holes, as specified

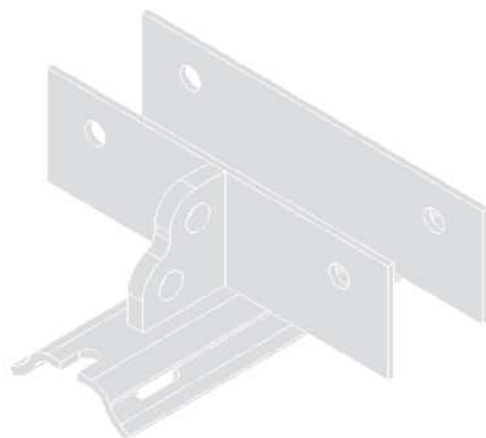
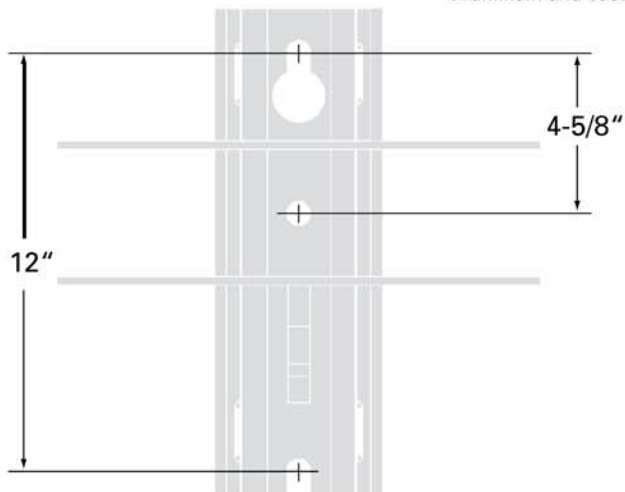
GUY ATTACHMENTS: 15/16" diameter, 30,000 lbs per attachment. Series 4000 has 15/16" and 1-1/8" diameter holes.

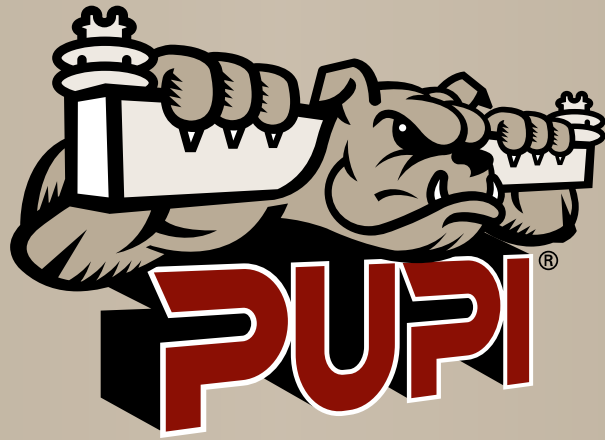
MOUNT LENGTH: 14"

MOUNT WIDTH: 14"

BANDING SLOTS: 1-3/4" x 3/8"

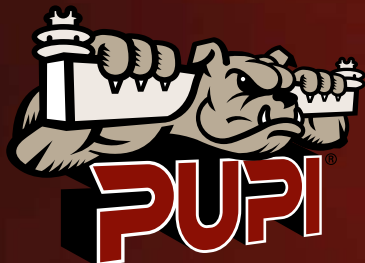
Kits include galvanized bolts, nuts and washers for attachment to crossarm. Aluminum and custom mounts also available upon request.





FOR MORE INFORMATION PLEASE VISIT US AT:

www.pupicrossarms.com



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pupisales@geotekinc.com

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PUPI® is a product of:

