

# UVMAXX<sup>TM</sup>

## FIBERGLASS CROSSARM & HARDWARE SYSTEM

Introducing our new UVMAXX Crossarm lineup that sets a new industry standard in durability delivering the longest life product in the industry.

We have maximized every element of our foam filled cross arm to meet all standards in lab testing and the real world.



### UV Protection

The Duracore beam bonds the UV protective layer directly to the core structure, eliminating the need for painting while ensuring that there are no entry points for corrosion. Painted systems allow degradation to occur once the surface is nicked or scratched.



### Longevity

Our radial Duracore design is stronger than traditional square designs reducing arm stress and durability. The crossarm's unique fiberglass composite structure provides a longer life than other brands.

Our Duraloc endcaps mechanically lock into the beam vs. the use of foamcore fill to attach endcaps. This mechanical locking system greatly reduces endcap failures.



### Field Friendly

- All of our best-in-class Duracast mounting hardware system outperforms welded solutions eliminating the chance of premature failure due to poor welds.
- Field drillable design.
- Lighter, safer, stronger, and more environmentally friendly than wood solutions.

**LONGEVITY**  
**DURABILITY**  
**PERFORMANCE**

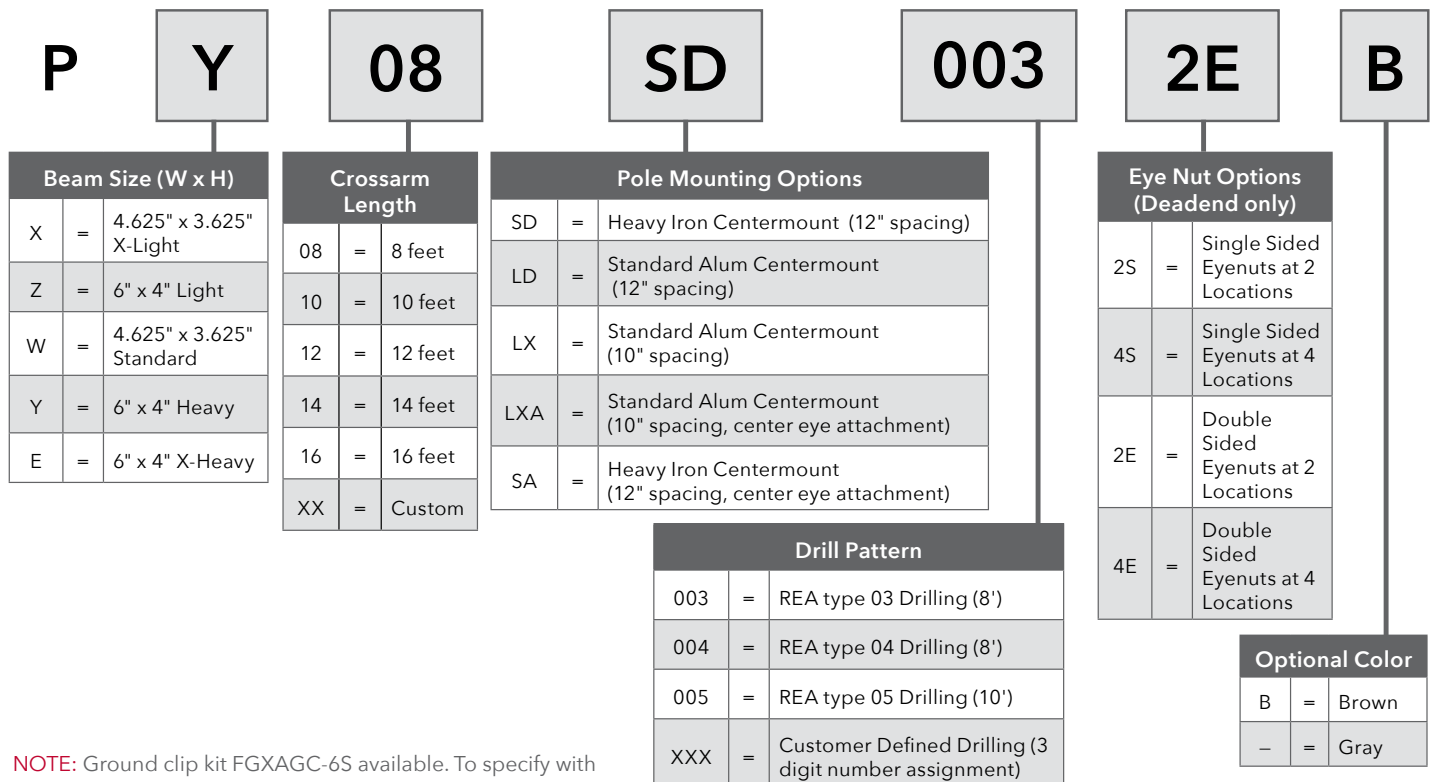


Made in the USA

## UVMAXX Deadend Series

UVMAXX Series	Catalog Number	Length (FT)	Ultimate Load Per Side (Per Position), LBS	Deflection/1000 lbs, in"	Weight (LBS)	Beam Size W x H
5000	PX08LD	8	4,950 (3500)	0.54	38	3-5/8" X 4-5/8"
9000	PZ08LD	8	9,400 (6,750)	0.24	71	4" x 6"
10000	PW08LD	8	10,200 (7,300)	0.35	48	3-5/8" X 4-5/8"
12500	PY08SD	8	12,500 (10,050)	0.22	57	4" x 6"
15000	PH08SD	8	15,000 (9,000)	0.13	72	3-5/8" X 4-5/8"
5000	PX10LD	10	3,850 (2,900)	1.11	44	3-5/8" X 4-5/8"
9000	PZ10LD	10	7,350 (5,600)	0.47	80	4" x 6"
10000	PW10LD	10	7,950 (6,050)	0.70	56	3-5/8" X 4-5/8"
12500	PY10SD	10	11,000 (8,350)	0.42	91	4" x 6"
15000	PH10SD	10	13,500 (9,000)	0.23	84	3-5/8" X 4-5/8"
10000	PW12LD	12	6,500 (4,600)	1.05	64	3-5/8" X 4-5/8"
12500	PY12SD	12	9,000 (6,350)	0.58	102	4" x 6"
15000	PH12SD	12	10500 (8,400)	0.46	96	3-5/8" X 4-5/8"

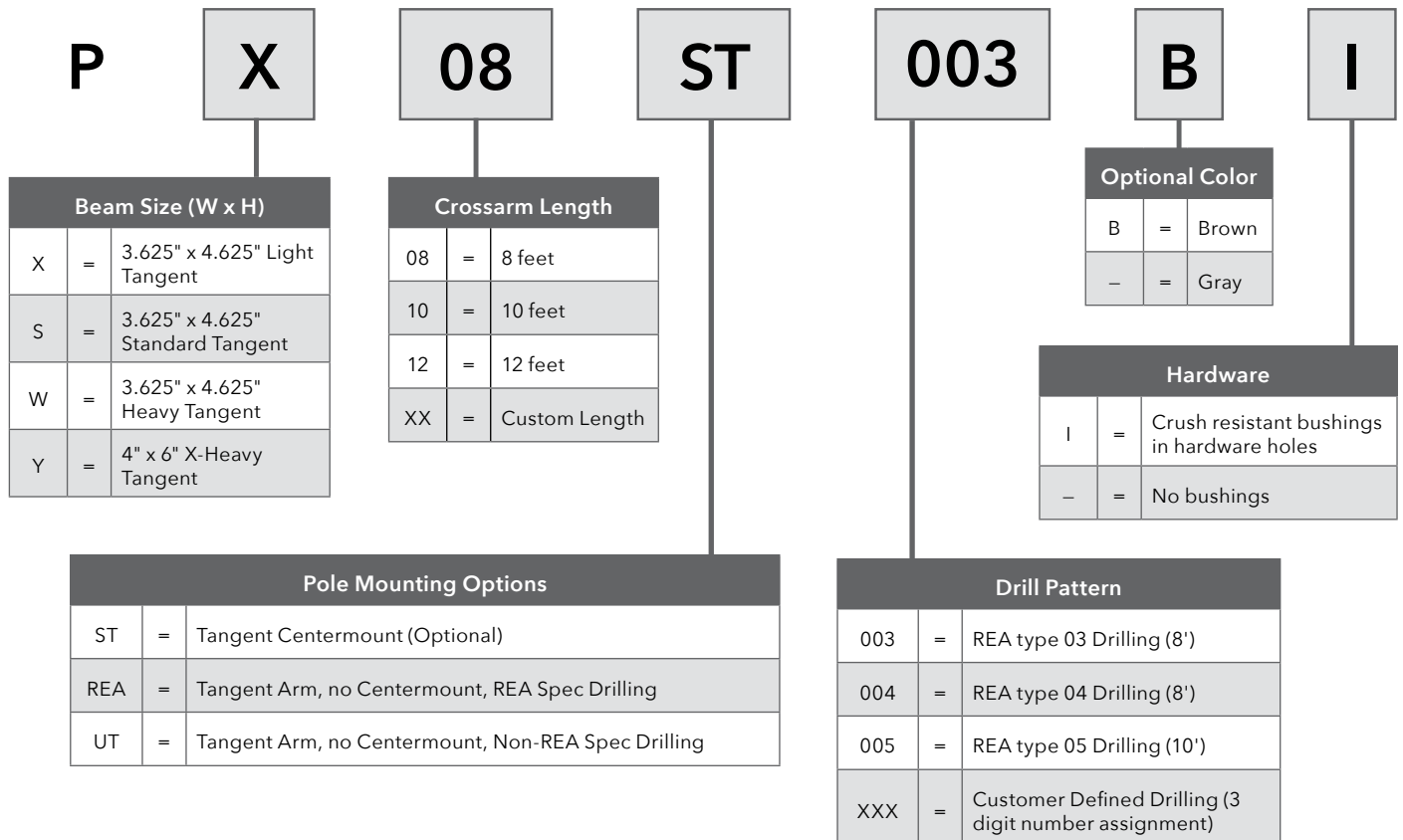
## Deadend Catalog Numbering System



## UVMAXX Tangent Series

UVMAXX Series	Catalog Number	Length (FT)	Ultimate Load Per Side (LBS)	Load Per Position	Weight (LBS)	Beam Size W x H
5000	PX08ST	8	3,200 (2,350)	0.68	32	3-5/8" X 4-5/8"
5500	PS08ST	8	4,100 (3,050)	0.72	32	3-5/8" X 4-5/8"
10000	PW08ST	8	7,200 (5,400)	0.6	43	3-5/8" X 4-5/8"
12500	PY08ST	8	8400 (6250)	0.22	57	4" x 6"
15000	PH08ST	8	12,000 (9,000)	0.15	57	3-5/8" X 4-5/8"
5000	PX10ST	10	2,500 (1,800)	1.28	38	3-5/8" X 4-5/8"
5500	PS10ST	10	3,200 (2,500)	1.34	38	3-5/8" X 4-5/8"
10000	PW10ST	10	5700 (4,200)	0.9	52	3-5/8" X 4-5/8"
12500	PY10ST	10	6,600 (4,900)	0.42	69	4" x 6"
15000	PH10ST	10	11,000 (8,800)	0.25	69	3-5/8" X 4-5/8"
10000	PW12ST	12	4,700 (3,300)	1.21	60	3-5/8" X 4-5/8"
12500	PY12ST	12	4,700 (3,300)	0.58	81	4" x 6"
15000	PH12ST	12	10,000 (7,200)	0.45	81	3-5/8" X 4-5/8"

## Tangent Catalog Numbering System



## FIBERGLASS CROSSARM INSTALLATION GUIDE



### DRILLING FIBERGLASS CROSSARMS

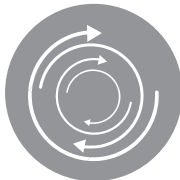
Carbide drill bits are recommended for field drilling UVMAXX crossarm products. Always ensure proper ventilation and safety equipment are used when drilling fiberglass. Take special care to ensure correct hardware location and orientation before the drilling of the crossarms. Apply a clear sealant or protective lacquer to any exposed fibers.



### SUGGESTED HARDWARE

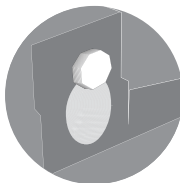
We recommend using our patented curved washers for deadends or 4"x4" washers (3/8" thick) on both sides of the crossarm for horizontal loading. When a full load is applied to a crossarm, our curved washers evenly distribute pressure over the entire crossarm surface. When insulator pins encounter extreme transverse or longitudinal loads, 4"x4" washers (1/4" thick) are also recommended. Our patented curved washers are shipped with all standard deadend crossarm orders. Consult our customer service team at 855-MPS-SHIP to request extra washers.

Care should be taken during installation of hardware not to damage the outer surface of the crossarm.



### RECOMMENDED TORQUE VALUES (DEADEND AND TANGENT)

Do not exceed 25 foot-pounds of torque when attaching hardware to the crossarm or mounting crossarm to a pole. (Fiberglass does not expand and contract like wood; thus, higher torque values do not ensure a tighter fit. Typical installations on wood crossarms may involve sinking the hardware into the wood in order to insure a tight fit since the wood arm shrinks over time unlike fiberglass. Double spring lock washers are sometimes used on pin attachments for this purpose as well and are not recommended for fiberglass installations. Any pin attachments or other hardware with cleats that are meant to dig into wood crossarms are also discouraged from use.)



### ASSEMBLY OF CROSSARM TO THE POLE

For ease of installation and safety, we recommend using the keyhole on the top of the center mount. The keyhole is designed to support the weight of the crossarm during installation for this purpose.



### FIBERGLASS CROSSARM LOADING

UVMAXX crossarms have published "Ultimate Load" and "Deflection" characteristics:

**Ultimate Load** is the maximum load that should be applied to the crossarm per side of the arm. Ultimate loading values per phase are dependent upon the number and position of phases. Loads above this level may cause damage to the crossarm.

**Deflection** is the displacement of the crossarm under load and is published in inches of displacement per 1000 lbs of load applied.