

HIGH MAST LIGHTING STRUCTURES

Superior Solutions for Challenging Environments



HIGH MAST LIGHTING SOLUTIONS



For roadways, ports and other industrial areas that require high mounting height structures, Valmont's tapered steel high mast poles are the superior solution.

High-mast lighting installations are often located where today's most busy expressways merge or intersect. Valmont's tapered steel high-mast poles also support other large-area lighting applications, such as those found at airports, shipping terminals and other heavy-industry zones. In all these applications, safety is paramount and technical design expertise is essential.

Our single tube, high mast structures can reach heights of up to 250 feet and are adaptable to lowering devices or fixed mount arrangements. To meet your aesthetic needs, our high mast poles are available in a variety of configurations and finishes, such as painted, galvanized, or paint over galvanizing.

IN-HOUSE ENGINEERING EXPERTISE



Engineers, architects, contractors and city planners rely on Valmont for unparalleled safety and superior manufacturing for high mast lighting poles.

Innovations in round and multi-sided shafts, such as a low-drag, internally wired fixture platform, make Valmont a top choice for customers needing high-mast lighting towers. Our engineers consider lighting load, tower weight, variable wind speeds, local soil conditions and a host of other relevant variables which less experienced suppliers may overlook.

Meeting the needs of you, our customer, is our top priority. No matter how large or small your order, our focus is to provide a quality product, to deliver that product on time and per your project requirement.

Call us at 360-366-3400 and ask for High Mast Lighting Sales, or visit us on the web at www.wceng.com.

MILES ABOVE THE COMPETITION

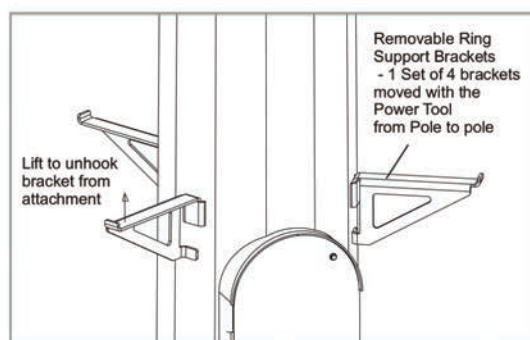
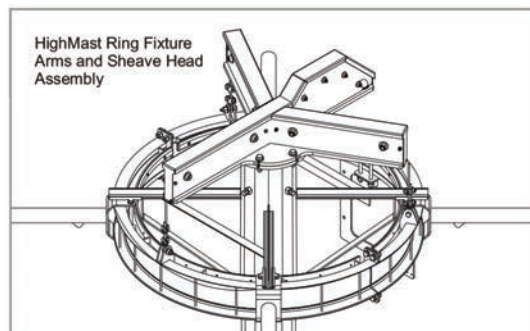
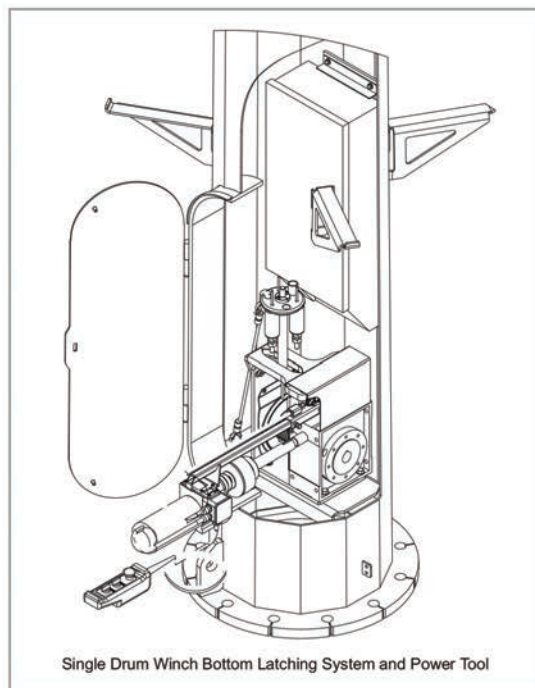


West Coast Engineering designs, fabricates and offers a comprehensive line of high mast systems to meet the needs of our customers in the United States and Canada.

Over the past two decades, West Coast Engineering has successfully completed several hundred high mast pole installations. These include projects for the BC Ministry of Highways, Everett HOV for Washington State DOT, Port of Tacoma, Port of Vancouver, Delta Port, BC Ferry Terminals, CN Rail, Vancouver International Airport and numerous container yards.

Our highly trained and experienced staff will provide you with a superior designed product, which is equipped with the most reliable lowering system available today. Call us at 360-366-3400 and ask for High Mast Lighting Sales, or visit us on the web at www.wceng.com for additional information for your next project.

HIGH MAST POLE SYSTEM



Max. Working Load Rating: 750 KG | Safety Factor: 5 - for Latched System
Winch Torque Rating: 170%

- Cost effective single drum winch design with lubricated and sealed winch
- Grooved drum for correct winding of the wire rope
- Remotely actuated Bottom Latching System
- Latching System is self-closing under load
- Simplified power tool support - no need for positioning adjustment
- Easy adjustment torque limiter
- Low profile sheave head assembly with large bending radius for the electrical cable and guides for the ropes to prevent tangling
- Spring loaded stainless steel rotation resistant support cables (3 of) that self adjust for leveling the high mast ring, distribute the load evenly, keep the ring docked against

the docking bumpers and self adjust for different stretch and heat elongations and contractions of the cables.

- While the operator attaches the safety cable, there are 2 redundant systems holding the ring: the winch cable and the latching system
- After attaching the safety cable clip, tension can be released from the winch cable. The latching system is holding the load, backed up by the safety cable (and the winch cable in most of the cases - if the winch is not removed)
- The high mast ring is always supported from the transition plate up by 3 cables (1/4"). Only during raising and lowering is it supported by the single winch cable (5/16" between the winch and the transition plate). During raising and lowering the operator must be 5-8 m away from the pole, controlling the system from the pendant station.



WEST COAST ENGINEERING

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