



Eagle United NightHawk Downlighter Flagpole

PART 1- GENERAL

1.1 SUMMARY

- A. Section Includes: Shoebase cone tapered aluminum flagpoles with external halyard system, double LED light fixture, revolving truck assembly, pulleys, fittings and accessories as required for complete finished installation.

1.2 REFERENCES

- A. National Association of Architectural Metal Manufacturers (NAAMM): Metal Flag Pole Manual and/or Eagle Mountain Flag and Flagpole Company Specs.

1.3 SYSTEM DESCRIPTION

- A. Performance Requirements: Design pole and anchorage system to resist, without permanent deformation, winds between 85 and 244 miles/hour wind velocity, dependant upon pole height/butt base/wall thickness, also to be non-resonant.

1.4 SUBMITTALS

- A. Product Data: Submit manufacture's literature.
- B. Shop Drawings: Indicate dimensions of pole, anchor requirements, all components and sizes.
- C. Samples: Submit pole finish or color.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Spiral wrap flagpole with protective covering and pack in shipping tubes.

PART 2 – PRODUCTS

2.1 MANUFACTURES

- A. Eagle Mountain Flag and Flagpoles.

2.2 MATERIALS

- A. Eagle United NightMaster Downlighter Flagpole: One or two piece, cone tapered aluminum flagpoles; conforming to NAAMM Metal Flagpole Manual.

1. Type: Shoebase Mount





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2. Nominal Heights available include: 20', 25', 30', 35', 40', 45' and 50'
3. Available Butt Diameters include: 4", 5", 5.5", 6", 7", 8" and 10",
4. Available Wall Thickness include: .125", .156" and .188".
5. Insert one number each from 2, 3, and 4
Height _____ X Butt _____ X Wall Thickness _____

B. Aluminum ASTM B221.

1. Finish: Manufacture's standard satin aluminum.

C. Foundation Base: Anchor Base: Cast from A356 alloy aluminum, the shoebase shall be heat-treated to a T-6 condition after attachment to the shaft. The shaft shall be inserted into the shoebase casting. The casting and shaft shall be joined by a continuous circumferential weld at the outside top and inside bottom of the shoebase. Each shoebase flagpole shall include four anchor bolts, two hex nuts, two flat washers and one lock washer, sized to match the anchor bolts.

D. Flash Collar/Base: High Profile flash collar to accommodate shoebase mount.

E. External Halyard Rope Based System

1. Provide snap hooks.

F. Choose between double 20 WATT and double 5 WATT LED integral lighting system.

PART 3- EXECUTION

3.1 PREPARATION

A. Install concrete foundations with anchor bolts for flagpoles correctly sized and positioned.

3.2 INSTALLATION

A. Install flagpole, shoebase assembly and fittings in accordance with manufacturer's recommendations and installation instructions and as indicated on drawings.

B. Check and adjust installed fittings for a smooth operation.

C. Instruct Owner's representative in maintenance and operation.





NightHawk

Downlighter Flag Pole

FEATURES

Our **Eagle United NightHawk** flag pole series features an external halyard shoebase flagpole combined with an LED down lighter. Architectural grade, cone tapered aluminum flagpoles suitable for use in most wind conditions flying maximum size or multiple flags. Available in heights ranging from 20' to 50'. A selection of shaft diameters and wall thickness offered for most exposed heights to meet your needs and to offer the best overall value.



A Double LED Flagpole downlight is included. This compact, commercial grade Heavy-Duty Cast Aluminum Double LED Flagpole Light comes complete with elbows, a truck mounted junction box with ornament adapter, a 40-foot lead (55' lead for poles 40' and taller), and a dual-driver enclosure. Apparent light output is equivalent to two 90 watt halogen lamps. These 120 Volt LED Flagpole Lighting Fixtures will provide **25 times (10+ YEARS) longer lamp life than halogen lamps** and will provide very high color rendition to bring out colors more vividly. The color temperature of the light source is 5500 Kelvin.



By aiming these LED Flagpole Lighting fixtures down as opposed to the traditional up lights, these Flagpole Lighting fixtures **will not contribute to the growing concerns over light pollution**. Easy to install, each fixture incorporates a front optic that produces a 120 degree pattern; however, **elements can be angled to provide 360 degrees of light**. Designer will be able to **remote the driver from the lamps up to 500' feet** (with longer lead option quoted), reducing clutter on the ground and eliminating line voltage power required at the pole.

AVAILABLE SIZES

EXPOSED HEIGHT	BASE DIAMETER	WALL THICKNESS	SHAFT SECTIONS	PART NUMBER
20'	4"	.125"	1	NIGHTHAWK-20x4x.125
20'	5"	.125"	1	NIGHTHAWK-20x5x.125
20'	5"	.156"	1	NIGHTHAWK-20x5x.156
20'	5"	.188"	1	NIGHTHAWK-20x5x.188
25'	5"	.125"	1	NIGHTHAWK-25x5x.125
25'	5"	.156"	1	NIGHTHAWK-25x5x.156
25'	5.5"	.188"	1	NIGHTHAWK-25x5.5x.188
25'	6"	.156"	1	NIGHTHAWK-25x6x.156
25'	6"	.188"	1	NIGHTHAWK-25x6x.188
30'	5"	.125"	1 OR 2	NIGHTHAWK-30x5x.125
30'	5"	.156"	1 OR 2	NIGHTHAWK-30x5x.156
30'	6"	.156"	1 OR 2	NIGHTHAWK-30x6x.156
30'	6"	.188"	1 OR 2	NIGHTHAWK-30x6x.188
35'	5"	.156"	1 OR 2	NIGHTHAWK-35x5x.156
35'	6"	.156"	1 OR 2	NIGHTHAWK-35x6x.156
35'	7"	.156"	1 OR 2	NIGHTHAWK-35x7x.156
35'	7"	.188"	1 OR 2	NIGHTHAWK-35x7x.188
40'	7"	.156"	2	NIGHTHAWK-40x7x.156
40'	8"	.156"	2	NIGHTHAWK-40x8x.156
40'	8"	.188"	2	NIGHTHAWK-40x8x.188
45'	8"	.188"	2	NIGHTHAWK-45x8x.188
50'	8"	.188"	3	NIGHTHAWK-50x8x.188
50'	10"	.188"	3	NIGHTHAWK-50x10x.188

Satin finish comes standard; Natural and Dark Bronze finishes are available at an extra charge



Shoebase mount required due to electrical conduit

AVAILABLE OPTIONS

Cleat Lockbox

with Cylinder Lock and Halyard Channel

Shaft Diameters Less Than 5"	CHA9200
Shaft Diameters Between 5" and 8"	CHA9000
Shaft Diameters Over 10"	CHA8150



(512) 847-0010 - Toll Free (800) 385-5605
 www.EagleMountainFlag.com
 PO Box 500 • 333 FM 2325 • Wimberley, Texas 78646