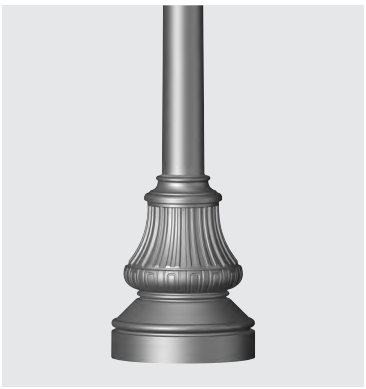
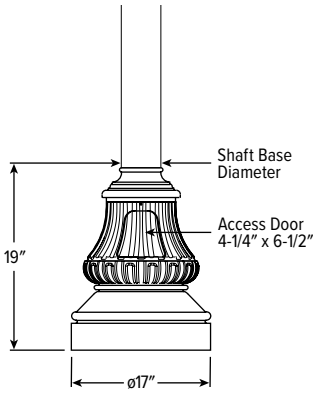
HWNR Aluminum Historic Pole – Smooth





CATALOG #:

Type:

PROJECT:

FEATURES

- Extruded or spun pole shaft with cast aluminum structural base provides durability and resists corrosion
- Choice of straight or tapered smooth aluminum round shafts
- Designed to accommodate up to two fixtures on a pole top assembly with a maximum 36" O.C. fixture span
- 8' to 18' height options
- An assortment of finishes are available to complement the architectural elements of any outdoor space
- Access door provides easy on-site maintenance

SPECIFICATIONS

- SHAFT – Smooth round pole spun or extruded from 6000 series aluminum alloy.
- POLE TOP – Plate and tenon provided for top mount luminaire. Removable finial available for poles receiving drilling patterns for side-mount luminaire arm assemblies.
- ACCESS DOOR – Located on structural base. Grounding provision provided.
- FINISH – Polyester powder coat bonded to pretreated metal, meets AAMA 2604 specifications for outdoor durability.
- ANCHOR BOLTS – Anchor bolts conform to ASTM F1554 Grade 55, galvanized a minimum of 12" on the threaded end.
- MOUNTING – Structural base cast from 356 aluminum alloy. The pole is inserted and welded into the structural base casting. The completed assembly is heat-treated to a T6 temper. A mounting template is provided with each pole and anchor bolt order.

ORDERING EXAMPLE: HWNR - A - 080 - 40 - 40 - 125 - S - TM238 - DBR - AB - OPTIONS

SERIES
HWNR

MATERIAL
A Aluminum

HEIGHT
Additional limitations may apply. Specify according to chart. See page 3 for LOAD AND DIMENSIONAL DATA.

080 8'-0"
100 10'-0"
120 12'-0"
140 14'-0"
160 16'-0"
180 18'-0"

TOP DIAMETER
40 4"
50 5" [2]
60 6" [3]

SHAFT BASE DIAMETER [1]
40 4" [4]
50 5"
60 6"

WALL THICKNESS
125 0.125"
188 0.188" [5]

SHAPE OF SHAFT [6]
S Straight round
T Tapered round

FIXTURE MOUNTING [7]
POLE TOP MOUNT

TM238 2-3/8" x 4" Round tenon
TM278 2-7/8" x 4" Round tenon
TM3 3" x 4" Round tenon
TC___ Custom Round Tenon [9]

DRILLED SIDE MOUNT [10]

SM/S Single 0° [11]
SM/D90 Double 90° [12]
SM/D180 Double 180° [13]
SM/T90 Triple 90° [14]
SM/T120 Triple 120° [15]
SM/Q90 Quad 90° [16]

FINISH [8]
BLK Black [17]
DBR Medium bronze
DBZ Dark bronze
GRAY Standard gray
GRN Green [18]
SLV Satin aluminum [19]
WHT White [20]
RAL#____ Specify custom color

ANCHOR BOLTS
AB Anchor bolts [21]
LAB Less anchor bolts
PAB Pre-shipped Anchor Bolts [22]

OPTIONS
FS Festoon box only [23]

FINIALS [24]
B Ball
D Needle
V Burnsville
W Woodbridge

NOTES
1 Top diameter of the decorative base casting.
2 Straight round shaft only.
3 Straight round shaft only.
4 Straight round shaft only.
5 160 and 180 straight round shaft heights only.
6 See page 2 for FIXTURE DETAILS.
7 Designed for pole top tenon or drilled side mount. See page 2 for MOUNTING DETAILS.
8 See page 3 for FINISH OPTIONS.
9 Must specify tenon diameter and height, consult factory.
10 Removable finial available, see Options.
11 Located at 0°.
12 Located at 0° and 90°.
13 Located at 0° and 180°.
14 Located at 0°, 90°, and 180°.
15 Located at 0°, 120°, and 240°.
16 Located at 0°, 90°, 180°, and 270°.
17 RAL #9004.
18 RAL #6005.
19 RAL #9006.
20 RAL #9003.
21 Four L-bolts provided with two hex nuts and two flat washers each, shipped with pole.
22 Four L-bolts provided with two hex nuts and two flat washers each.
23 Casting only. Outlet, cover and hardware by others.
24 For poles with side-mount drill only, for additional finial options consult factory. See page 3 for OPTION DETAILS.

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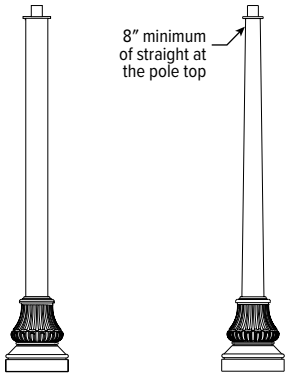
FIXTURE DETAILS

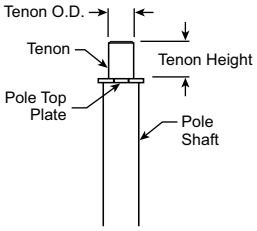
SHAPE OF SHAFT

Straight Round | Tapered Round | Smooth Surface Shaft



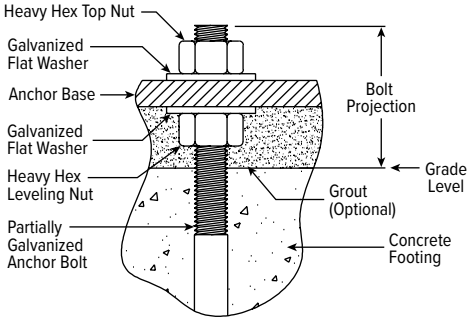
MOUNTING DETAILS

POLE TOP MOUNT TYPICAL TENON

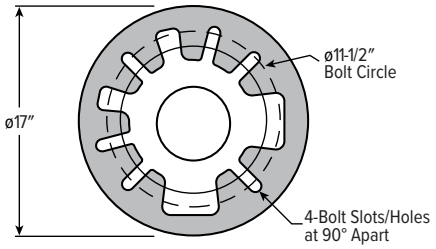


ANCHORAGE DATA

BOLT PROJECTION



ANCHOR BASE

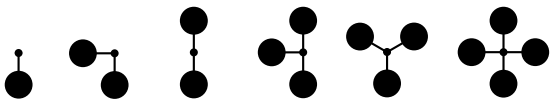


ANCHOR BOLTS			ANCHOR BASE [1]			
BOLT SIZE	PROJECTION	±	BOLT CIRCLE DIA.	BOLT CIRCLE ±	DIA.	THK.
3/4″ x 17″ x 3″	3-3/8″	1/4″	12″	1″	17″	3/4″

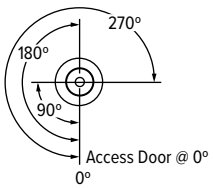
[1] Provided with four anchor bolts. Base has eight slots for additional orientation.

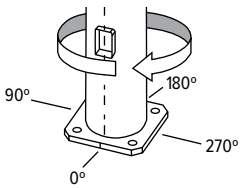
DRILLED SIDE MOUNT OPTIONS

SM/S | SM/D90 | SM/D180 | SM/T90 | SM/T120 | SM/Q90



RADIAL INDEX



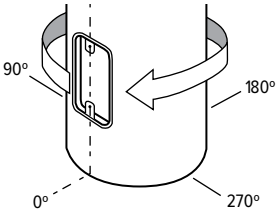


The Radial Index references how parts are oriented around the shaft. A degree measurement is used from a base point. The standard base point of reference is the access door. Degrees are measured in a clockwise motion as viewed from the top of the shaft.

HWNR Aluminum Historic Pole – Smooth

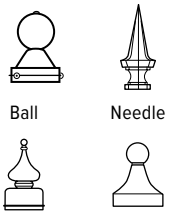
OPTION DETAILS

ALUMINUM FESTOON BOX



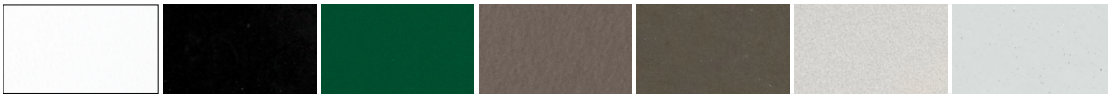
NOTE: The festoon box is located above the access door at 0°.

FINIALS



FINISH OPTIONS

WHITE | BLACK | GREEN | MEDIUM BRONZE | DARK BRONZE | SATIN ALUMINUM GRAY



For custom color, please specify RAL code or a manufacturer code with description. All custom colors other than RAL require four sample swatches, minimum 1" square.

LOAD AND DIMENSIONAL DATA

STRAIGHT ROUND

POLE HT. (FT)	CATALOG NUMBER	SHAFT				80 MPH [1,2]		90 MPH [1,2]		100 MPH [1,2]	
		TOP O.D. (IN)	BASE O.D (IN)	WALL THK. (IN)	STRUC. WT [3] (LBS)	MAX LUMINAIRE EPA (SQ FT)	MAX LUMINAIRE WEIGHT (LBS)	MAX LUMINAIRE EPA (SQ FT)	MAX LUMINAIRE WEIGHT (LBS)	MAX LUMINAIRE EPA (SQ FT)	MAX LUMINAIRE WEIGHT (LBS)
8	HWNR-A-080-40-40-125-S	4	4	0.125	55	10.9	300	8.4	300	6.7	300
	HWNR-A-080-50-50-125-S	5	5	0.125	66	18.1	300	14.2	300	11.5	300
10	HWNR-A-100-40-40-125-S	4	4	0.125	58	8.3	300	6.3	300	4.9	300
	HWNR-A-100-50-50-125-S	5	5	0.125	63	14.2	300	11.1	300	8.9	300
12	HWNR-A-120-40-40-125-S	4	4	0.125	63	6.3	300	4.6	300	3.5	300
	HWNR-A-120-50-50-125-S	5	5	0.125	66	11.3	300	8.8	300	7.0	300
14	HWNR-A-140-50-50-125-S	5	5	0.125	72	8.7	300	6.8	300	5.3	300
16	HWNR-A-160-50-50-125-S	5	5	0.125	75	6.7	300	5.1	300	4.0	300
	HWNR-A-160-60-60-188-S	6	6	0.188	102	18.2	300	14.2	300	11.4	300
18	HWNR-A-180-50-50-125-S	5	5	0.125	79	4.9	300	3.7	300	2.8	300
	HWNR-A-180-60-60-188-S	6	6	0.188	110	15.1	300	11.7	300	9.3	300

TAPERED ROUND

POLE HT. (FT)	CATALOG NUMBER	SHAFT				80 MPH [1,2]		90 MPH [1,2]		100 MPH [1,2]	
		TOP O.D. (IN)	BASE O.D (IN)	WALL THK. (IN)	STRUC. WT [3] (LBS)	MAX LUMINAIRE EPA (SQ FT)	MAX LUMINAIRE WEIGHT (LBS)	MAX LUMINAIRE EPA (SQ FT)	MAX LUMINAIRE WEIGHT (LBS)	MAX LUMINAIRE EPA (SQ FT)	MAX LUMINAIRE WEIGHT (LBS)
8	HWNR-A-080-40-50-125-T	4	5	0.125	55	18.1	300	14.2	300	11.4	300
10	HWNR-A-100-40-50-125-T	4	5	0.125	59	14.3	300	11.1	300	8.8	300
12	HWNR-A-120-40-50-125-T	4	5	0.125	63	11.4	300	8.7	300	6.9	300
	HWNR-A-120-40-60-125-T	4	6	0.125	66	17.6	300	13.7	300	10.9	300
14	HWNR-A-140-40-50-125-T	4	5	0.125	67	8.8	300	6.6	300	5.2	300
	HWNR-A-140-40-60-125-T	4	6	0.125	70	14.1	300	10.8	300	8.6	300
16	HWNR-A-160-40-50-125-T	4	5	0.125	71	6.7	300	4.9	300	3.8	300
	HWNR-A-160-40-50-188-T	4	5	0.188	85	11.3	300	8.5	300	6.7	300
	HWNR-A-160-40-60-125-T	4	6	0.125	75	11.2	300	8.6	300	6.8	300
18	HWNR-A-180-40-50-125-T	4	5	0.125	75	5.0	300	3.5	300	2.7	300
	HWNR-A-180-40-60-125-T	4	6	0.125	80	9.0	300	6.6	300	5.1	300
	HWNR-A-180-40-60-188-T	4	6	0.188	98	14.9	300	11.4	300	9.0	300

1 Effective Projected Area (EPA) calculations allow for 1.3 Wind Gust Factor. Maximum EPA and weight values are based on top mounted luminaires or arm assembly having a centroid 2'-6" above and 1'-6" eccentric to the pole top at Nominal Mounting Height. Variations from sizes above are available upon inquiry. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.

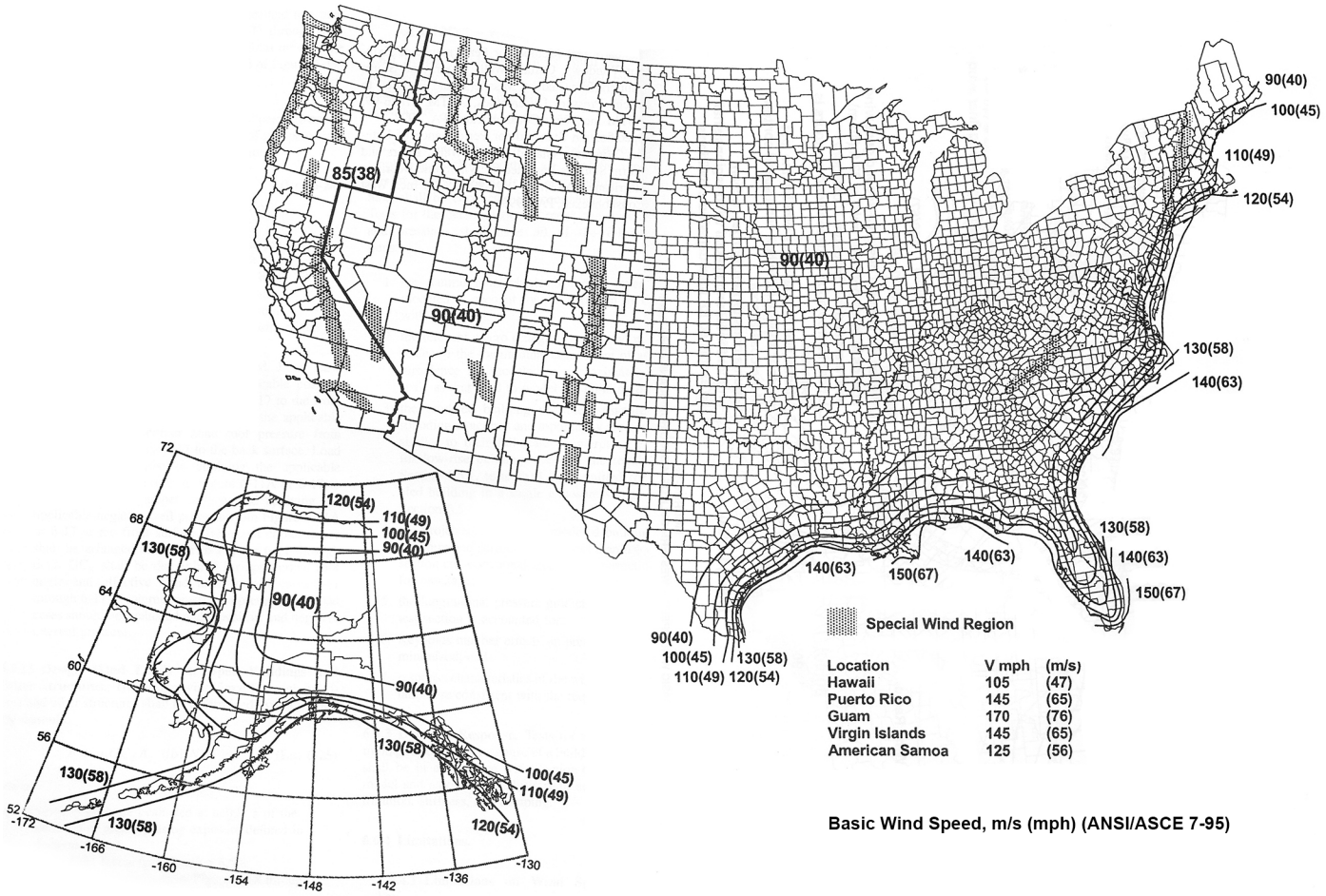
2 See page 4 for WIND MAP.

3 Structure Weight is a nominal value which includes the pole shaft and structural base.

- Pole installations in various parts of the country perform satisfactorily; however, in select locations destructive vibration can occur. H.E. Williams, Inc. is not responsible for vibration induced fatigue damage.
- H.E. Williams, Inc. warrants this product to be free from defects in materials and workmanship. Any defective part returned within one year from the date of delivery of the goods will be repaired or replaced without charge, F.O.B. factory.
- This warranty specifically excludes fatigue or similar phenomena resulting from induced vibration, harmonic oscillation or resonance associated with movement of air currents around the product.
- The above warranties are given in lieu of all other warranties express or implied, including without limitation, the warranty of merchantability and the warranty of suitability for a particular purpose. It is expressly stated that H.E. Williams, Inc. assumes no liability for consequential or liquidated damages arising out of a breach of the sale, including any warranties arising therefrom, and buyer's remedy shall be limited to repair or replacement of defective parts as described above.
- Any action for the breach under a sale including any warranties arising therefrom must be commenced within one year after the cause of action accrues.

HWNR Aluminum Historic Pole – Smooth

WIND MAP



Basic Wind Speed, m/s (mph) (ANSI/ASCE 7-95)

The Effective Projected Area (EPA) standards shown in the Load and Dimensional Data Tables on the specification sheets are designed to withstand dead loads and theoretical dynamic loads developed by variable wind speeds, as charted, with an appropriate wind gust factor under the following conditions:

- Values are nominal design 3-second gust wind speeds in miles per hour (m/s) at 33 ft (10 m) above ground for Exposure C category.
- Linear Interpolation between wind contours is permitted.
- Islands and coastal areas outside the last contour shall use the last wind speed contour of the coastal area.
- Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.
- This map is intended as a general guide. Check you local area for unique wind conditions.

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