



AHT (HINGED POLE)

ANCHOR BOLTS

Anchor bolts conform to ASTM F1554 Grade-55 standards. Bolts have an “L” bend at one end and a minimum of 12” galvanized threads on the other end. Two galvanized flat washers per ASTM F436 and two galvanized hexagonal nuts per ASTM A563 Grade DH are provided with each bolt.

BASE STYLE

Each pole assembly shall be fashioned with a Millerbernd Manufacturing Company High Base. The base is fabricated from the same material as the pole shaft and stands 27 inches tall. The pole shaft is slip fitted and welded to the base. The base comes fitted with handcrank and hole for winch access.

SHAFT

The pole shaft conforms to ASTM A1011 Grade 50 carbon steel standards and is formed with a constant linear taper.

HANDHOLE

A reinforced handhole with flush mounted cover, grounding lug, and hardware is provided with each pole assembly.

INTERNAL WINCH

Hinged poles come fashioned with a handpowered winch with an automatic brake and removeable handcrank. The winch drum comes wound with 3/16” stainless steel aircraft cable with a load rating of up to 3,500 pounds. Wire guides are provided at the hinge joint and at the pole base to protect electrical wiring.

MOUNTING OPTIONS

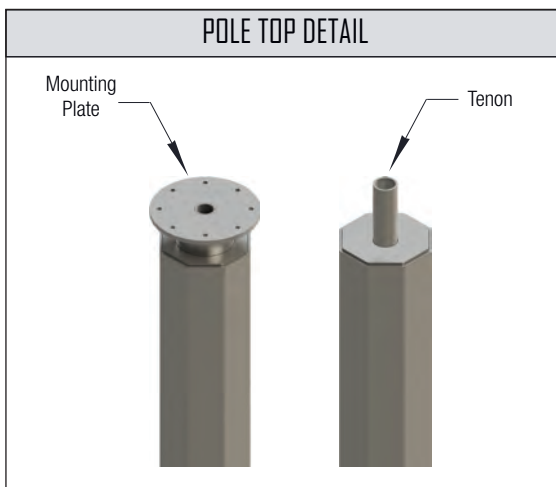
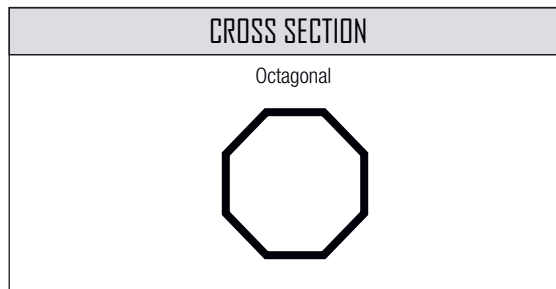
The pole is fitted with a single tenon for pole top mounting. A top mounting plate option is available for camera mounting.

FINISH OPTIONS

Hinged poles may specified as hot-dip galvanized per ASTM A123 and/or finish painted with our standard Millerbond Wet Coat Finish.

HARDWARE

All hardware and fasteners are supplied with each pole assembly. All structural fasteners are galvanized high-strength carbon steel.

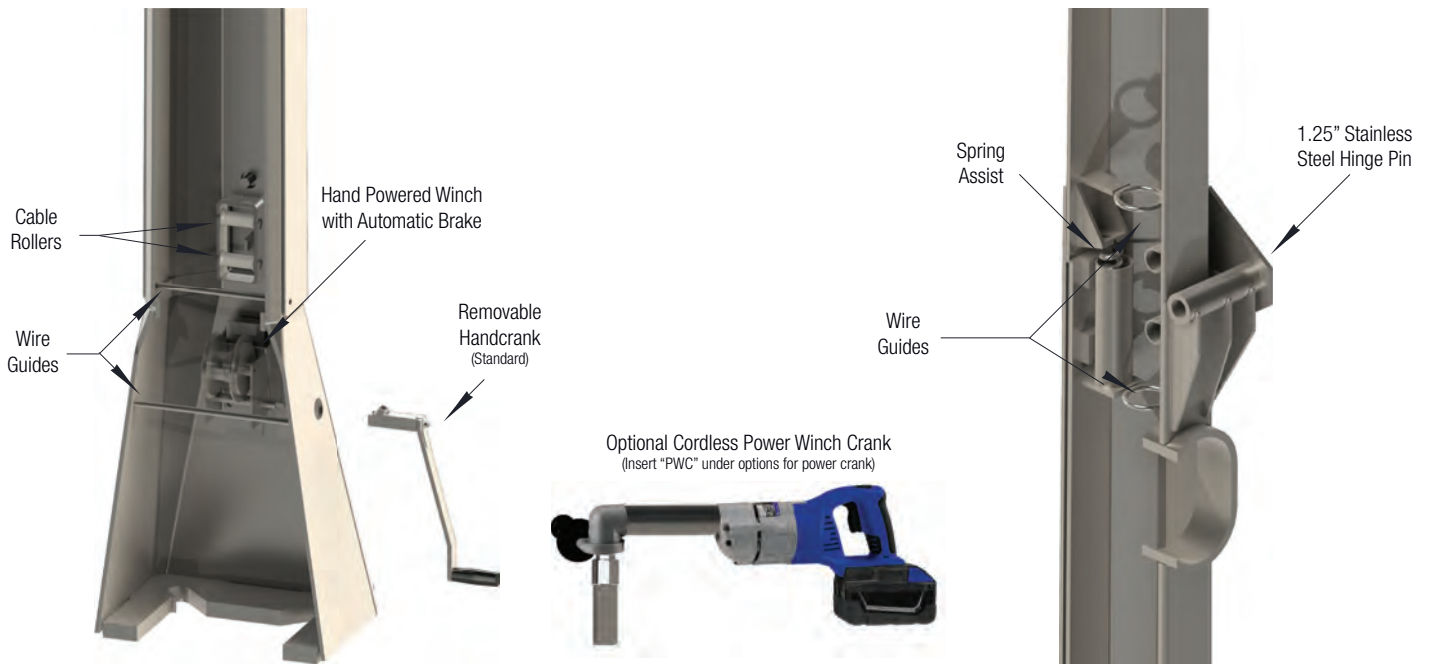




CARBON STEEL

PART #	MOUNTING HEIGHT (FT)	WEIGHT (LBS.)	BASE O.D. (IN)	TOP O.D. (IN)	BOLT CIRCLE +/- 0.5 (IN)	BASE SQUARE (IN)	MAX EPA 90 MPH	MAX EPA 100 MPH	MAX EPA 110 MPH	MAX EPA 120 MPH	MAX EPA 130 MPH	MAX EPA 140 MPH	MAX EPA 150 MPH
AHT-H-086-B-250	25	683	8.6	5	15	15	17.4	13.25	10.11	7.7	5.8	4.28	3.04
AHT-H-086-B-300	30	742	8.6	5.8	15	15	14.8	10.73	7.65	5.26	3.38	1.87	0.64
AHT-H-086-B-350	35	799	8.6	5	15	15	12.21	8.09	4.98	2.58	0.69		
AHT-H-106-B-400	40	1176	10.6	5	15	15	24.04	16.37	10.6	6.15	2.64		
AHT-H-122-DB-450	45	1724	12.2	5.8	17	17	36.64	25.54	17.2	10.79	5.76	1.74	
AHT-H-122-DB-500	50	1788	12.2	5	17	17	32.09	20.99	12.66	6.26	1.23		
AHT-H-122-DB-550	55	1884	12.2	4.2	17	17	27.63	16.53	8.2	1.8			

- Variations from above sizes are available. Consult factory for allowable weight and EPA ratings for custom sizes.
- Charted weights include the base and pole shaft.
- Poles with mounting heights of 45' or more have a lower shaft section fabricated from 3 gauge steel and upper shaft section fabricated from 7 gauge steel.
- Hinge poles designed with a maximum deflection of 1% at 30 MPH.



Design	Base Style	Base Diameter	Wall Thickness	Mounting Height	Mounting Style	Cross Section	Finish	Options
AHT -	H -	-	-	-	-	H -	-	-
	H = High	Base diameter is identified with one decimal place to identify diameter in inches. (e.g. 094 = 9.4")	B = 7 GA C = 3/16" D = 1/4"	Mounting height is identified with one decimal place to identify height in feet. (e.g. 255=25.5')	DM19 = Drill 1 @ 90 DM29 = Drill 2 @ 90 DM28 = Drill 2 @ 180 DM39 = Drill 3 @ 90 DM32 = Drill 3 @ 120 DM49 = Drill 4 @ 90 PT1 = 2.38" x 4" Tenon PT2 = 2.38" x 6" Tenon PT3 = 2.88" x 4" Tenon PT4 = 3.5" x 6" Tenon PT5 = 4" x 6" Tenon PT6 = Specialty Top Mount	H = 8-Sided	GV = Hot Dip-Galvanize FP = Finish Paint GP = Paint Over Galvanize	Insert Part Number for options, separated by "-"