

OUTDOOR FLAGPOLES



Our cone tapered ground set aluminum flagpoles are precision fabricated from new, 6063-T6 tubing utilizing the industry's most sophisticated manufacturing processes. The conical portion tapers approximately 1" in every 5-1/2 feet.

All anodized flagpole shafts are highly polished with fine grain aluminum oxide cloth resulting in a high quality, deep satin lustre finish. This finish represents the ultimate in architectural finishes for aluminum flagpoles. The elegant, soft sheen remains maintenance free. See below for anodized finishes available as standard.

STANDARD ANODIZED FINISHES

For bronze, dark bronze #313 is supplied as standard unless otherwise specified.



SATIN



CLEAR



**BRONZE #311
(LIGHT)**



**BRONZE #312
(MEDIUM)**



**BRONZE #313
(DARK)**



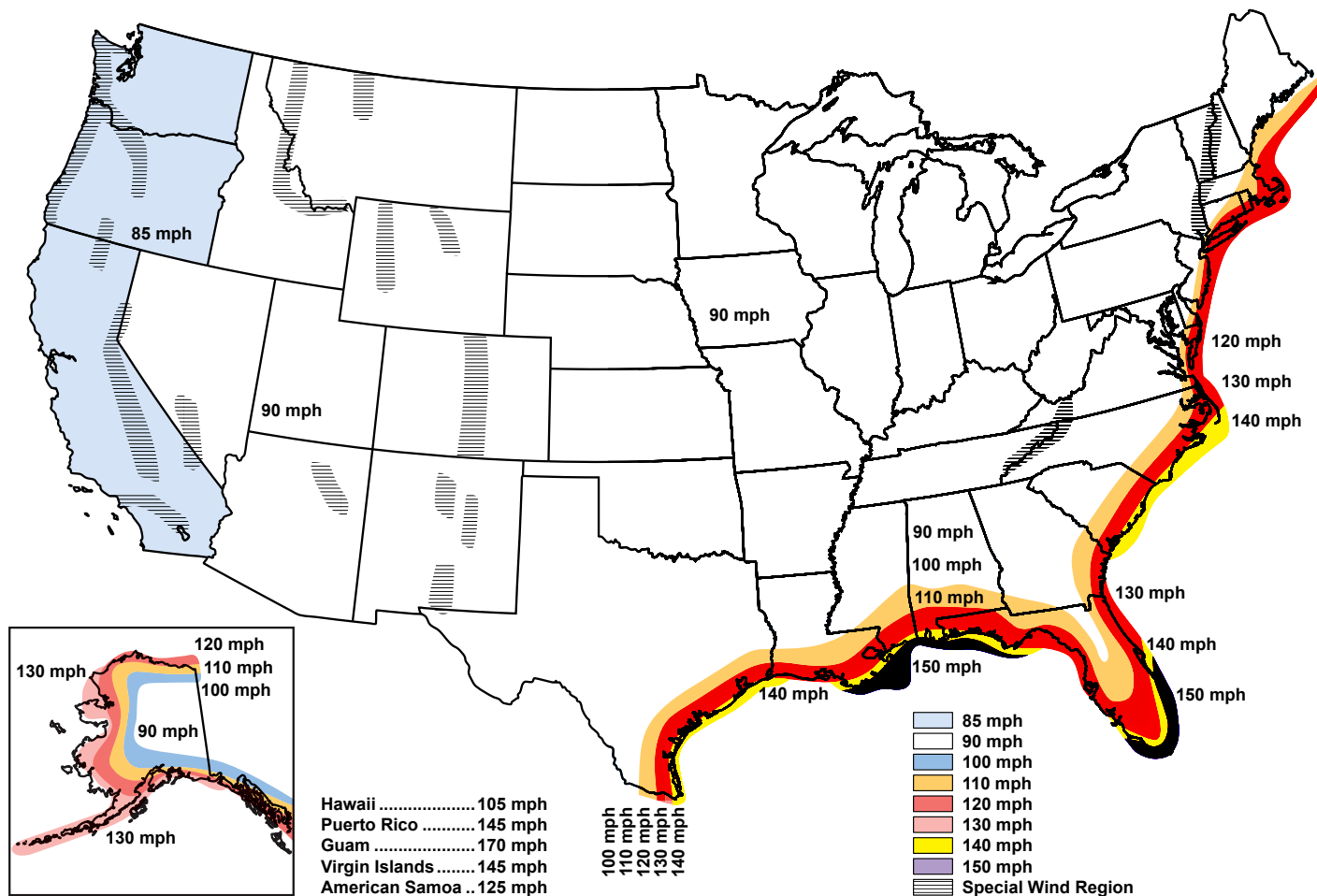
**BLACK
(#335)**

Custom color powder coating is also available upon request. Please contact us and provide specific RAL # for a prompt quotation.



GROUND SET CONE TAPERED ALUMINUM FLAGPOLES WIND LOAD CHART

The map below shows the maximum steady wind expected at an elevation of thirty feet above ground level within a fifty-year period of recurrence. Areas with the same maximum constant or steady wind speed are indicated.



Because wind speeds are usually not constant, and gusts are involved, flagpoles (both flagged and unflagged) are listed in this catalog with a constant wind speed and a 1.3 gust factor.

Flagpoles and their associated wind speeds listed assume that ten percent of the overall length of the flagpole is buried at or near ground level per industry recommendations. Special engineering may be required for other applications such as wall or roof mounted flagpoles. Contact us for a prompt response regarding any situation that may require special engineering.

Safe flagpole design requires knowledge of the loads to which they will be subjected. Principal load acting on flagpoles is wind load and that load must be carefully determined. Maximum wind speeds to which flagpoles are exposed are dependent upon many factors such as geographical location, whether or not it is in the center of a large city, a small town's outskirts, seashore, at ground level or on the roof of a high building. Wind speeds generally are higher along coastal areas than inland. They are also higher in open country than in the center of cities. Wind speed also becomes greater as height above ground increases. Wind exerts a force on the pole as well as the flag, thus both loads must be added to determine total load. Flags of different sizes are designed to be flown from different poles.

It's important that flagpoles be selected which are capable of supporting the largest flag intended to be flown in the highest wind speed to which it will be subjected. Loads on flagpoles are resisted by the mounting foundation, roof, or wall to which it is secured.

PLEASE NOTE: recommended flag sizes throughout this catalog do not represent a warranty that the flag size shown may be safely flown in all wind speeds. Personal injury, flagpole damage or property damage can occur when flying oversized flags and banners or flying flags in higher winds than recommended.

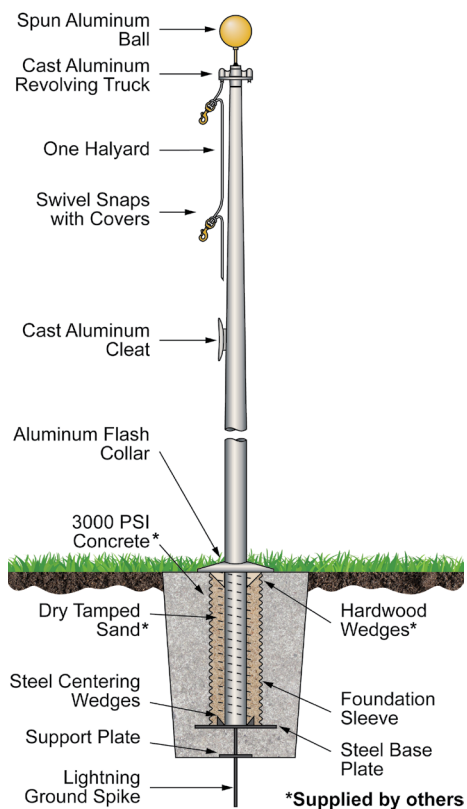
ARCHITECTURAL SERIES

External Halyard Ground Set Cone Tapered Aluminum Flagpoles

STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum revolving truck w/pulley
- Solid braided polypropylene halyard
- Swivel flag snaps w/vinyl snap covers
- Cast aluminum cleat with mounting screws
- Spun aluminum flash collar
- Galvanized steel foundation sleeve

MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
EC20	20'	23'	1	5"	3"	.188	315 MPH	120+ MPH	3' x 5'	137 lbs.
EC25	25'	27'	1	6"	3-1/2"	.188	250 MPH	120+ MPH	4' x 6'	195 lbs.
EC30	30'	33'	1 or 2*	6"	3-1/2"	.188	211 MPH	120+ MPH	5' x 8'	227 lbs.
EC35	35'	38-1/2'	1 or 2*	7"	3-1/2"	.188	202 MPH	120 MPH	6' x 10'	271 lbs.
EC40	40'	44'	2**	8"	3-1/2"	.188	203 MPH	120 MPH	8' x 12'	311 lbs.
EC45	45'	49-1/2'	2**	8"	3-1/2"	.188	166 MPH	100 MPH	8' x 12'	361 lbs.
EC50	50'	55'	3**	10"	4"	.188	185 MPH	115 MPH	10' x 15'	513 lbs.
EC60	60'	66'	3**	12"	4"	.250	213 MPH	120 MPH	12' x 18'	833 lbs.
EC70	70'	77'	3**	12"	4"	.250	169 MPH	105 MPH	15' x 25'	978 lbs.
EC80	80'	88'	3**	12"	4"	.375	174 MPH	105 MPH	20' x 30'	1357 lbs.



* Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified.
Add 10% to the pricing for two section style flagpoles.

** Flagpole models available in multi-piece pole(s) only.

SATIN

MODEL	ITEM #	1-2	3-6	7+
EC20	320113	\$1,460	\$1,380	\$1,310
EC25	320114	1,830	1,770	1,670
EC30	320115	2,060	1,980	1,840
EC35	320116	2,760	2,600	2,470
EC40	320117	3,560	3,420	3,250
EC45	320118	4,020	3,820	3,620
EC50	320119	5,430	5,180	4,920
EC60	320120	10,550	10,010	9,500
EC70	320121	11,880	11,290	10,690
EC80	320122	14,820	14,210	13,450

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
EC20	320123	\$1,740	\$1,670	\$1,570
EC25	320124	2,200	2,070	1,980
EC30	320125	2,460	2,350	2,200
EC35	320126	3,280	3,140	2,940
EC40	320127	4,260	4,050	3,820
EC45	320128	4,730	4,480	4,240
EC50	320129	6,610	6,290	5,940
EC60	320130	11,880	11,270	10,680
EC70	320131	13,400	12,740	12,070
EC80	320132	16,990	16,120	15,300

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
EC20	320133	\$1,770	\$1,710	\$1,600
EC25	320134	2,230	2,150	2,020
EC30	320135	2,530	2,400	2,270
EC35	320136	3,380	3,200	3,020
EC40	320137	4,380	4,170	3,940
EC45	320138	4,870	4,610	4,380
EC50	320139	6,810	6,490	6,130
EC60	320140	12,160	11,550	10,930
EC70	320141	13,740	13,030	12,330
EC80	320142	17,330	16,470	15,550

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
EC20	320143	\$1,860	\$1,760	\$1,660
EC25	320144	2,370	2,260	2,140
EC30	320145	2,690	2,550	2,410
EC35	320146	3,540	3,360	3,170
EC40	320147	4,610	4,380	4,150
EC45	320148	5,130	4,880	4,610
EC50	320149	7,190	6,800	6,460
EC60	320150	12,600	11,960	11,320
EC70	320151	14,270	13,520	12,830
EC80	320152	17,940	17,070	16,130

Add \$40.00 to any of the flagpole pricing above for double-cleat/double-halyard flagpoles.

All poles on pages 139 through 157 can be mixed to achieve the higher quantity pricing, but shipment must be made to the same location at the same time.

OUTDOOR FLAGPOLES

HURRICANE SERIES FLAGPOLES

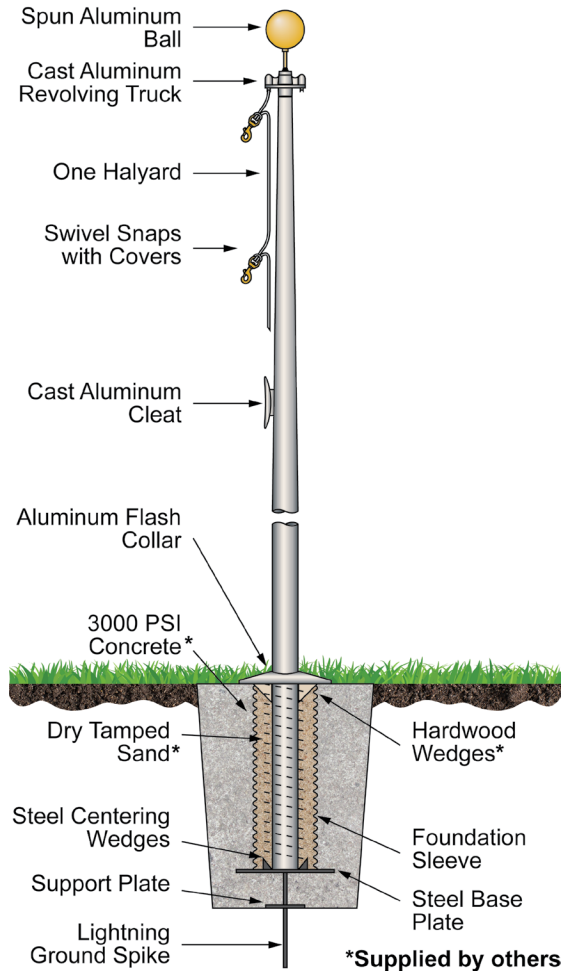
External Halyard Ground Set Cone Tapered Aluminum Flagpoles

STANDARD EXTERNAL POLE ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum revolving truck w/pulley
- Solid braided polypropylene halyard
- Swivel flag snaps w/vinyl snap covers
- Cast aluminum cleat with mounting screws
- Spun aluminum flash collar
- Galvanized steel foundation sleeve

Increased Wall Thickness or Butt Diameter Make Our Hurricane Series Flagpoles the Best Choice for High Wind Locations

MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
ECH25	25'	27'	1	6"	3-1/2"	.250	255 MPH	150+ MPH	4' x 6'	239 lbs.
ECH30	30'	33'	2	6"	3-1/2"	.250	241 MPH	150+ MPH	5' x 8'	322 lbs.
ECH35	35'	38-1/2'	2	8"	3-1/2"	.250	255 MPH	150 MPH	6' x 10'	351 lbs.
ECH40	40'	44'	2	8"	3-1/2"	.250	231 MPH	150 MPH	8' x 12'	399 lbs.
ECH50	50'	55'	3	10"	4"	.312	230 MPH	150 MPH	10' x 15'	661 lbs.



SATIN

MODEL	ITEM #	1-2	3-6	7+
ECH25	324117	\$2,480	\$2,360	\$2,270
ECH30	324118	3,400	3,250	3,110
ECH35	324119	3,800	3,620	3,480
ECH40	324120	4,410	4,210	4,050
ECH50	324121	8,250	7,940	7,610

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECH25	324122	\$2,790	\$2,680	\$2,520
ECH30	324123	3,820	3,640	3,510
ECH35	324124	4,370	4,170	4,020
ECH40	324125	5,100	4,900	4,720
ECH50	324126	9,270	8,910	8,550

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECH25	324127	\$2,910	\$2,790	\$2,680
ECH30	324128	3,910	3,740	3,590
ECH35	324129	4,550	4,380	4,180
ECH40	324130	5,270	5,070	4,870
ECH50	324131	9,590	9,230	8,840

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECH25	324132	\$3,040	\$2,930	\$2,810
ECH30	324133	4,060	3,930	3,740
ECH35	324134	4,810	4,610	4,450
ECH40	324135	5,580	5,330	5,140
ECH50	324136	10,010	9,630	9,240

Add \$40.00 to any of the flagpole pricing above for double-cleat/double-halyard flagpoles.

All poles on pages 139 through 157 can be mixed to achieve the higher quantity pricing, but shipment must be made to the same location at the same time.

HURRICANE SERIES FLAGPOLES - WITH M-WINCH

Internal Halyard Ground Set Cone Tapered Aluminum Flagpoles

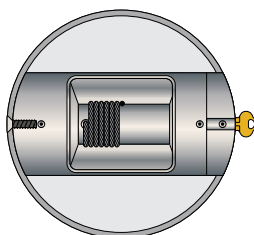
These internal halyard flagpoles contain a winch mounted inside the flagpole shaft, operable only with a removable crank handle. As the stainless steel cable unwinds from the winch, it passes up through the inside of the flagpole shaft, over the truck sheave to the outside of the shaft, where the retainer ring provides a sliding anchor. A counterweight, heavily coated with neoprene, attached to the retainer ring, allows the halyard to be lowered for fastening or removing the flag. The winch is gearless and self-locking at any point, eliminating the need for a separate brake. This direct drive winch provides rapid raising and lowering of the flag with little effort. This design does not require any welding, thus avoiding discoloration when an anodized finish is desired. No monthly lubrication is needed and this winch system is easily adaptable to existing on-site flagpoles.

STANDARD INTERNAL POLE ACCESSORIES

- Cast aluminum revolving truck with enclosed stainless steel bearings and raceway
- Stainless steel cable assembly
- Deluxe flag arrangement
- Retainer ring and counterweight
- M-Winch system
- Spun aluminum flash collar
- Galvanized steel foundation sleeve
- See p.162-163 for optional ornament selections

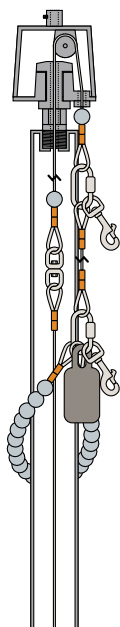
MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
ECH25	25'	27'	1	6"	3-1/2"	.250	255 MPH	150+ MPH	4' x 6'	243 lbs.
ECH30	30'	33'	2	6"	3-1/2"	.250	241 MPH	150+ MPH	5' x 8'	322 lbs.
ECH35	35'	38-1/2'	2	8"	3-1/2"	.250	255 MPH	150 MPH	6' x 10'	361 lbs.
ECH40	40'	44'	2	8"	3-1/2"	.250	231 MPH	150 MPH	8' x 12'	419 lbs.
ECH50	50'	55'	3	10"	4"	.312	230 MPH	150 MPH	10' x 15'	686 lbs.

M-WINCH DETAIL

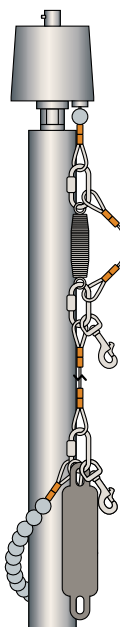


No welding required, thus no discoloration when anodized.
No monthly lubrication needed.

20' – 35' POLES



40' – 80' POLES



SATIN

MODEL	ITEM #	1-2	3-6	7+
ECH25IH	324137	\$4,070	\$3,920	\$3,780
ECH30IH	324138	5,060	4,860	4,660
ECH35IH	324139	5,520	5,290	5,090
ECH40IH	324140	6,300	6,050	5,800
ECH50IH	324141	10,320	9,900	9,500

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECH25IH	324142	\$4,390	\$4,210	\$4,040
ECH30IH	324143	5,480	5,270	5,060
ECH35IH	324144	6,100	5,850	5,620
ECH40IH	324145	7,000	6,720	6,450
ECH50IH	324146	11,350	10,900	10,450

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECH25IH	324147	\$4,510	\$4,350	\$4,140
ECH30IH	324148	5,580	5,330	5,140
ECH35IH	324149	6,270	6,040	5,780
ECH40IH	324150	7,190	6,900	6,640
ECH50IH	324151	11,640	11,200	10,730

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECH25IH	324152	\$4,650	\$4,470	\$4,290
ECH30IH	324153	5,750	5,530	5,300
ECH35IH	324154	6,540	6,280	6,040
ECH40IH	324155	7,490	7,200	6,890
ECH50IH	324156	12,070	11,600	11,130

OUTDOOR FLAGPOLES

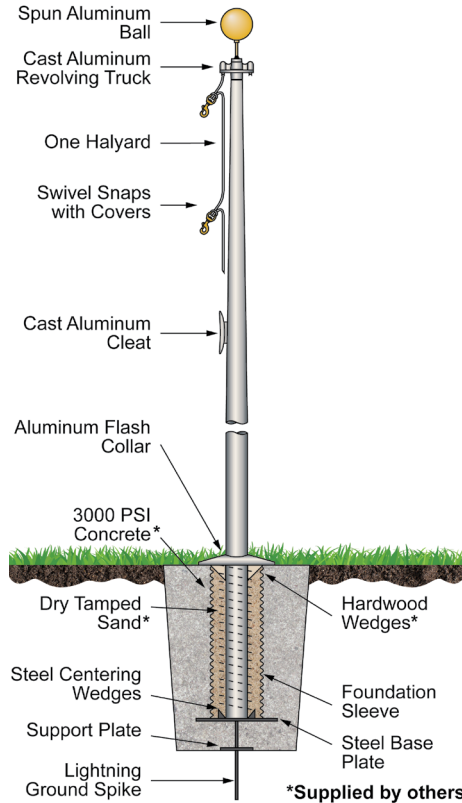
ECONOMY EXTRA SERIES

External Halyard Ground Set Cone Tapered Aluminum Flagpoles

STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum revolving truck w/pulley
- Solid braided polypropylene halyard
- Swivel flag snaps w/vinyl snap covers
- Cast aluminum cleat with mounting screws
- Spun aluminum flash collar
- Galvanized steel foundation sleeve

MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
ECX20	20'	23'	1	5"	3"	.125	255 MPH	120+ MPH	3' x 5'	119 lbs.
ECX25	25'	27'	1	5"	3"	.125	137 MPH	105 MPH	4' x 6'	129 lbs.
ECX30	30'	33'	1 or 2*	5"	3"	.125	104 MPH	85 MPH	5' x 8'	154 lbs.
ECX35	35'	38-1/2'	1 or 2*	6"	3-1/2"	.156	119 MPH	91 MPH	6' x 10'	237 lbs.
ECX40	40'	44'	2**	7"	3-1/2"	.156	122 MPH	91 MPH	8' x 12'	272 lbs.
ECX50	50'	55'	3**	8"	3-1/2"	.188	118 MPH	85 MPH	10' x 15'	433 lbs.
ECX60	60'	66'	3**	10"	4"	.188	122 MPH	90 MPH	12' x 18'	665 lbs.
ECX70	70'	77'	3**	10"	4"	.312	127 MPH	91 MPH	15' x 25'	1032 lbs.



* Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified.
Add 10% to the pricing for two section style flagpoles.

** Flagpole models available in multi-piece pole(s) only.

SATIN

MODEL	ITEM #	1-2	3-6	7+
ECX20	320193	\$1,150	\$1,100	\$1,010
ECX25	320194	1,210	1,150	1,090
ECX30	320195	1,350	1,300	1,210
ECX35	320196	2,080	1,980	1,830
ECX40	320197	3,050	2,900	2,740
ECX50	320198	4,320	4,090	3,870
ECX60	320199	6,270	6,070	5,640
ECX70	320200	10,070	9,560	9,050

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECX20	320201	\$1,390	\$1,320	\$1,260
ECX25	320202	1,500	1,420	1,320
ECX30	320203	1,690	1,620	1,560
ECX35	320204	2,520	2,390	2,260
ECX40	320205	3,580	3,430	3,230
ECX50	320206	5,110	4,860	4,600
ECX60	320207	7,410	7,040	6,670
ECX70	320208	11,530	10,950	10,350

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECX20	320209	\$1,430	\$1,350	\$1,290
ECX25	320210	1,540	1,460	1,360
ECX30	320211	1,710	1,650	1,540
ECX35	320212	2,580	2,450	2,300
ECX40	320213	3,730	3,530	3,350
ECX50	320214	5,280	5,000	4,740
ECX60	320215	7,660	7,280	6,870
ECX70	320216	11,780	11,190	10,610

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECX20	320217	\$1,510	\$1,420	\$1,330
ECX25	320218	1,640	1,550	1,430
ECX30	320219	1,830	1,760	1,660
ECX35	320220	2,750	2,600	2,450
ECX40	320221	3,900	3,710	3,470
ECX50	320222	5,510	5,240	4,970
ECX60	320223	8,030	7,640	7,230
ECX70	320224	12,230	11,630	11,000

Add \$40.00 to any of the flagpole pricing above for double-cleat/double-halyard flagpoles.

All poles on pages 139 through 157 can be mixed to achieve the higher quantity pricing, but shipment must be made to the same location at the same time.

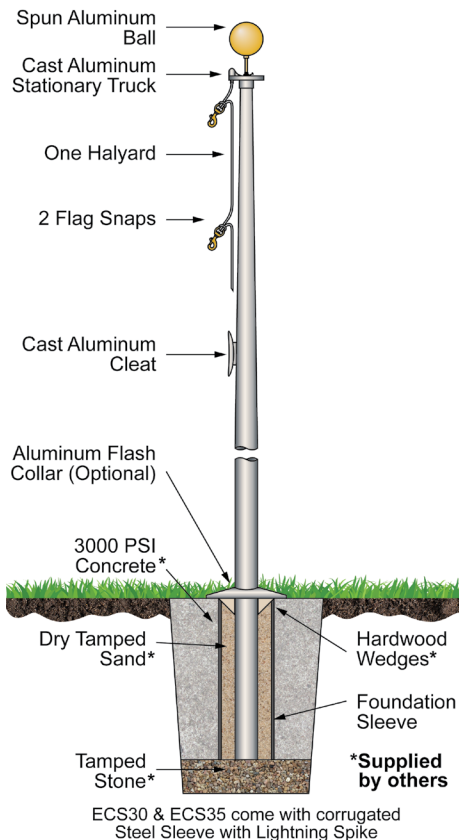
SPECIAL BUDGET SERIES

External Halyard Ground Set Cone Tapered Aluminum Flagpoles

STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum stationary truck w/pulley (ECS35 has a revolving truck as standard)
- Solid braided polypropylene halyard
- Cast aluminum cleat with mounting screws
- Swivel flag snaps w/vinyl covers on poles with a 3-1/2", 4" or 5" butt diameter; nylon flag snaps on poles with a 2-3/8" or 3" butt diameter
- Flash collar not included as standard equipment for this series
- PVC foundation sleeve (ECS30 & ECS35 poles have a galvanized steel sleeve as standard)

MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
ECM15	15'	17'	1	2-3/8"	1-7/8"	.140	145 MPH	101 MPH	3' x 5'	44 lbs.
ECM20	20'	22'	1	2-3/8"	1-7/8"	.140	101 MPH	76 MPH	3' x 5'	52 lbs.
ECSS15	15'	17'	1	3"	1-7/8"	.125	170 MPH	120 MPH	3' x 5'	45 lbs.
ECSS20	20'	22'	1 or 3*	3"	1-7/8"	.125	118 MPH	85 MPH	3' x 5'	54 lbs.
ECSS25	25'	27'	1 or 4*	3"	1-7/8"	.125	89 MPH	50 MPH	4' x 6'	64 lbs.
ECS20	20'	22'	1	3-1/2"	2-3/8"	.125	128 MPH	96 MPH	3' x 5'	61 lbs.
ECS25	25'	27'	1	3-1/2"	2-3/8"	.125	95 MPH	77 MPH	4' x 6'	73 lbs.
ECS30	30'	33'	1 or 2*	4"	2-3/8"	.125	88 MPH	50 MPH	5' x 8'	125 lbs.
ECS35	35'	38-1/2'	1 or 2*	5"	3"	.156	92 MPH	76 MPH	6' x 10'	213 lbs.



* Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified.
Add 10% to the pricing for two section style flagpoles.

* Flagpole models also available in multi-piece pole(s); See pricing at bottom.

SATIN

MODEL	ITEM #	1-2	3-6	7+
ECM15	320257	\$550	\$510	\$490
ECM20	320258	580	560	510
ECSS15	320259	420	400	360
ECSS20	320260	490	470	450
ECSS25	320261	580	550	510
ECS20	320262	710	670	600
ECS25	320263	800	770	730
ECS30	320264	890	850	780
ECS35	320265	1,370	1,320	1,240

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECM15	320266	\$700	\$660	\$590
ECM20	320267	740	720	680
ECSS15	320268	540	500	480
ECSS20	320269	640	600	570
ECSS25	320270	770	730	700
ECS20	320271	890	860	790
ECS25	320272	1,030	980	910
ECS30	320273	1,160	1,100	1,030
ECS35	320274	1,720	1,660	1,570

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECM15	320275	\$720	\$680	\$600
ECM20	320276	780	740	710
ECSS15	320277	560	540	500
ECSS20	320278	680	640	590
ECSS25	320279	800	770	740
ECS20	320280	930	890	840
ECS25	320281	1,060	1,000	940
ECS30	320282	1,220	1,150	1,090
ECS35	320283	1,810	1,710	1,640

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECM15	320284	\$740	\$720	\$680
ECM20	320285	800	770	730
ECSS15	320286	580	560	530
ECSS20	320287	730	700	640
ECSS25	320288	860	810	770
ECS20	320289	950	900	870
ECS25	320290	1,090	1,030	960
ECS30	320291	1,300	1,240	1,160
ECS35	320292	1,930	1,830	1,720

THREE SECTION ECSS20 (CAN BE SHIPPED UPS)

MODEL	ITEM #	FINISH	1-2	3-6	7+	WEIGHT
SS20TS	320329	SATIN	\$580	\$550	\$520	43 lbs.
SS20TS	320330	CLEAR	680	660	610	43 lbs.
SS20TS	320331	BRONZE	710	690	660	43 lbs.
SS20TS	320332	BLACK	760	730	690	43 lbs.

FOUR SECTION ECSS25 (CAN BE SHIPPED UPS)

MODEL	ITEM #	FINISH	1-2	3-6	7+	WEIGHT
SS25FS	323976	SATIN	\$680	\$640	\$610	52 lbs.
SS25FS	323977	CLEAR	830	780	730	52 lbs.
SS25FS	323978	BRONZE	850	800	750	52 lbs.
SS25FS	323979	BLACK	920	850	800	52 lbs.

Add \$40.00 to any of the flagpole pricing above for double-cleat/double-halyard flagpoles. Add \$24 for flash collar.

All poles on pages 139 through 157 can be mixed to achieve the higher quantity pricing, but shipment must be made to the same location at the same time.

ATLAS SERIES

External Halyard Ground Set Cone Tapered Aluminum Flagpoles

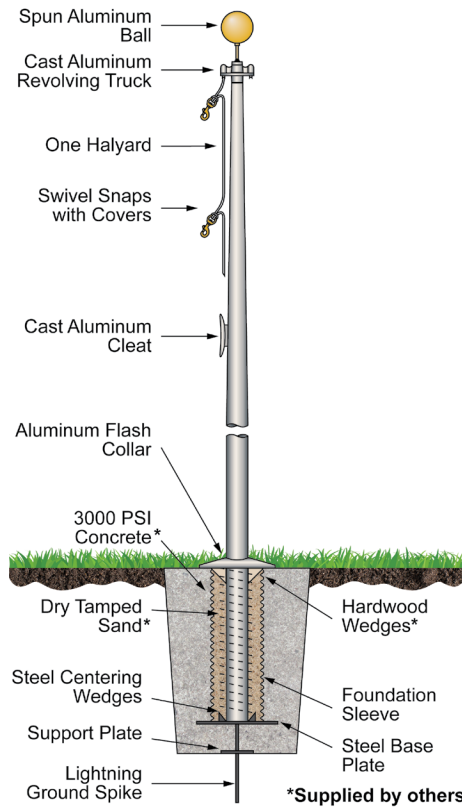
STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum revolving truck with pulley (ECSA20 & ECSA25 poles have a stationary truck as standard)
- Solid braided polypropylene halyard
- Swivel flag snaps w/vinyl snap covers
- Cast aluminum cleat with mounting screws
- Spun aluminum flash collar
- Galvanized steel foundation sleeve

MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
ECSA20	20'	22'	1	4"	2-3/8"	.125	152 MPH	110 MPH	3' x 5'	92 lbs.
ECSA25	25'	27'	1	4"	2-3/8"	.125	113 MPH	88 MPH	4' x 6'	112 lbs.
ECXA25	25'	27'	1	5"	3"	.156	183 MPH	120 MPH	4' x 6'	147 lbs.
ECXA30	30'	33'	1 or 2*	5"	3"	.156	119 MPH	95 MPH	5' x 8'	162 lbs.
ECL30	30'	33'	1	5"	3"	.188	131 MPH	100 MPH	5' x 8'	180 lbs.
ECA30	30'	33'	1 or 2*	6"	3-1/2"	.156	184 MPH	115 MPH	5' x 8'	218 lbs.
ECSA35	35'	38-1/2'	1	5"	3"	.188	104 MPH	86 MPH	6' x 10'	228 lbs.
ECA35	35'	38-1/2'	1 or 2*	7"	3-1/2"	.156	175 MPH	114 MPH	6' x 10'	251 lbs.
ECA40	40'	44'	2**	8"	3-1/2"	.156	171 MPH	110 MPH	8' x 12'	298 lbs.
ECXA60	60'	66'	3**	10"	4"	.250	150 MPH	106 MPH	12' x 18'	754 lbs.

* Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified.
Add 10% to the pricing for two section style flagpoles.

** Flagpole models available in multi-piece pole(s) only.



Note: the ECSA20 and ECSA25 flagpoles are not supplied with a plate support or centering wedges.

SATIN

MODEL	ITEM #	1-2	3-6	7+
ECSA20	320337	\$790	\$760	\$720
ECSA25	320338	860	800	760
ECXA25	320339	1,450	1,350	1,290
ECXA30	320340	1,630	1,540	1,460
ECL30	320884	1,700	1,620	1,540
ECA30	320341	2,000	1,910	1,790
ECSA35	320342	1,810	1,730	1,620
ECA35	320343	2,380	2,240	2,130
ECA40	320344	3,380	3,230	3,020
ECXA60	320345	7,950	7,600	7,170

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECSA20	320346	\$1,000	\$950	\$890
ECSA25	320347	1,080	1,020	970
ECXA25	320348	1,710	1,650	1,550
ECXA30	320349	1,920	1,830	1,720
ECL30	320885	2,000	1,920	1,790
ECA30	320350	2,390	2,270	2,140
ECSA35	320351	2,200	2,100	1,990
ECA35	320352	2,890	2,730	2,580
ECA40	320353	4,030	3,820	3,620
ECXA60	320354	9,180	8,740	8,280

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECSA20	320355	\$1,040	\$990	\$930
ECSA25	320356	1,130	1,070	1,000
ECXA25	320357	1,800	1,700	1,620
ECXA30	320358	2,020	1,910	1,810
ECL30	320886	2,090	1,990	1,890
ECA30	320359	2,450	2,340	2,210
ECSA35	320360	2,240	2,130	2,040
ECA35	320361	2,950	2,820	2,650
ECA40	320362	4,150	3,940	3,760
ECXA60	320363	9,390	8,910	8,480

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECSA20	320364	\$1,100	\$1,040	\$980
ECSA25	320365	1,200	1,150	1,080
ECXA25	320366	1,830	1,750	1,660
ECXA30	320367	2,080	1,980	1,840
ECL30	320887	2,150	2,050	1,930
ECA30	320368	2,560	2,440	2,290
ECSA35	320369	2,380	2,240	2,130
ECA35	320370	3,120	2,960	2,820
ECA40	320371	4,340	4,120	3,880
ECXA60	320372	9,800	9,310	8,790

Add \$40.00 to any of the flagpole pricing above for double-cleat/double-halyard flagpoles.

All poles on pages 139 through 157 can be mixed to achieve the higher quantity pricing, but shipment must be made to the same location at the same time.

VANGUARD SERIES • Internal Halyard Ground Set Cone Tapered Aluminum Flagpoles

The Vanguard series provides an intelligent, economical alternative to deluxe concealed halyard systems.

STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum stationary truck
- Nylon wire center halyard

- Swivel flag snaps w/vinyl snap covers
- Retainer ring and counterweight
- Stainless steel quick link
- Cam action cleat (accessible behind a

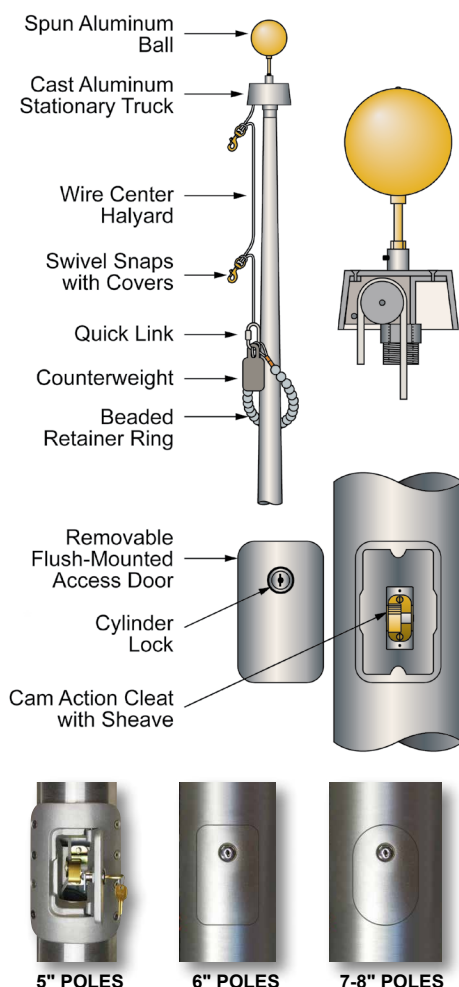
- lockable access door)
- Spun aluminum flash collar
- Galvanized steel foundation sleeve

MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
ECXV20	20'	23'	1	5"	3"	.125	250 MPH	120+ MPH	3' x 5'	129 lbs.
ECV20	20'	23'	1	5"	3"	.188	315 MPH	120+ MPH	3' x 5'	142 lbs.
ECXV25	25'	27'	1	5"	3"	.125	144 MPH	104 MPH	4' x 6'	139 lbs.
ECXAV25	25'	27'	1	5"	3"	.156	192 MPH	117 MPH	4' x 6'	152 lbs.
ECV25	25'	27'	1	6"	3-1/2"	.188	222 MPH	120+ MPH	4' x 6'	197 lbs.
ECXV30	30'	33'	1 or 2*	5"	3"	.125	110 MPH	75 MPH	5' x 8'	172 lbs.
ECXAV30	30'	33'	1 or 2*	5"	3"	.156	119 MPH	91 MPH	5' x 8'	185 lbs.
ECLV30	30'	33'	1	5"	3"	.188	127 MPH	96 MPH	5' x 8'	185 lbs.
ECAV30	30'	33'	1	6"	3-1/2"	.156	184 MPH	117 MPH	5' x 8'	224 lbs.
ECV30	30'	33'	1	6"	3-1/2"	.188	211 MPH	120+ MPH	5' x 8'	227 lbs.
ECSAV35	35'	38-1/2'	1	5"	3"	.188	104 MPH	86 MPH	6' x 10'	229 lbs.
ECXV35	35'	38-1/2'	1	6"	3-1/2"	.156	122 MPH	91 MPH	6' x 10'	247 lbs.
ECAV35	35'	38-1/2'	1	7"	3-1/2"	.156	179 MPH	117 MPH	6' x 10'	261 lbs.
ECV35	35'	38-1/2'	1	7"	3-1/2"	.188	200 MPH	120 MPH	6' x 10'	281 lbs.
ECXV40	40'	44'	2**	7"	3-1/2"	.156	125 MPH	91 MPH	8' x 12'	294 lbs.
ECAV40	40'	44'	2**	8"	3-1/2"	.156	171 MPH	110 MPH	8' x 12'	309 lbs.
ECV40	40'	44'	2**	8"	3-1/2"	.188	195 MPH	120 MPH	8' x 12'	319 lbs.

* Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified.

Add 10% to the pricing for two section style flagpoles.

** Flagpole models available in multi-piece pole(s) only.



5" diameter poles supplied with a hinged access door and frame unit. 6" and larger diameter poles supplied with a removable flush-mounted access door for added strength.

Add \$150.00 for a revolving truck on any Vanguard Flagpole.

SATIN

MODEL	ITEM #	1-2	3-6	7+
ECXV20	320409	\$1,460	\$1,350	\$1,300
ECV20	320410	1,760	1,690	1,590
ECXV25	320411	1,630	1,550	1,460
ECXAV25	320412	1,820	1,740	1,640
ECV25	320413	2,400	2,270	2,150
ECXV30	320414	1,770	1,700	1,620
ECXAV30	320415	2,020	1,910	1,800
ECLV30	320888	2,080	1,980	1,910
ECAV30	320416	2,330	2,210	2,100
ECV30	320417	2,470	2,360	2,220
ECSAV35	320418	2,270	2,150	2,040
ECXV35	320419	2,470	2,360	2,220
ECAV35	320420	2,780	2,630	2,510
ECV35	320421	3,180	3,000	2,860
ECXV40	320422	3,430	3,290	3,080
ECAV40	320423	3,910	3,730	3,500
ECV40	320424	4,230	4,000	3,800

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECXV20	320425	\$1,700	\$1,640	\$1,560
ECV20	320426	2,080	1,950	1,870
ECXV25	320427	1,910	1,810	1,710
ECXAV25	320428	2,140	2,060	1,930
ECV25	320429	2,690	2,550	2,410
ECXV30	320430	2,120	2,020	1,880
ECXAV30	320431	2,360	2,220	2,120
ECLV30	320889	2,420	2,290	2,210
ECAV30	320432	2,770	2,620	2,470
ECV30	320433	2,910	2,760	2,610
ECSAV35	320434	2,710	2,580	2,430
ECXV35	320435	2,960	2,800	2,680
ECAV35	320436	3,300	3,150	2,950
ECV35	320437	3,700	3,500	3,320
ECXV40	320438	4,030	3,840	3,630
ECAV40	320439	4,560	4,360	4,130
ECV40	320440	4,930	4,670	4,440

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECXV20	320441	\$1,760	\$1,680	\$1,590
ECV20	320442	2,120	2,010	1,890
ECXV25	320443	1,990	1,860	1,770
ECXAV25	320444	2,200	2,100	1,990
ECV25	320445	2,720	2,590	2,440
ECXV30	320446	2,170	2,090	1,970
ECXAV30	320447	2,420	2,310	2,180
ECLV30	320890	2,480	2,370	2,280
ECAV30	320448	2,790	2,650	2,520
ECV30	320449	2,960	2,800	2,680
ECSAV35	320450	2,730	2,600	2,450
ECXV35	320451	3,020	2,870	2,720
ECAV35	320452	3,410	3,230	3,050
ECV35	320453	3,810	3,620	3,430
ECXV40	320454	4,150	3,930	3,730
ECAV40	320455	4,700	4,460	4,230
ECV40	320456	5,040	4,790	4,520

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECXV20	320457	\$1,810	\$1,710	\$1,640
ECV20	320458	2,180	2,060	1,920
ECXV25	320459	2,080	1,960	1,820
ECXAV25	320460	2,290	2,160	2,070
ECV25	320461	2,840	2,690	2,540
ECXV30	320462	2,270	2,160	2,070
ECXAV30	320463	2,520	2,400	2,260
ECLV30	320891	2,580	2,460	2,360
ECAV30	320464	2,930	2,780	2,650
ECV30	320465	3,090	2,940	2,790
ECSAV35	320466	2,860	2,710	2,570
ECXV35	320467	3,190	3,010	2,860
ECAV35	320468	3,550	3,370	3,210
ECV35	320469	3,960	3,780	3,550
ECXV40	320470	4,320	4,090	3,870
ECAV40	320471	4,910	4,640	4,420
ECV40	320472	5,210	4,960	4,710

OUTDOOR FLAGPOLES

DELUXE IH SERIES

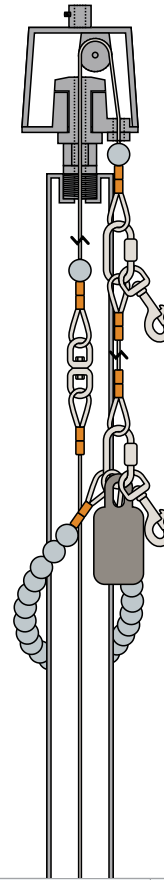
Internal Halyard Ground Set Cone Tapered Aluminum Flagpoles

These internal halyard flagpoles contain a winch mounted inside the flagpole shaft, operable only with a removable crank handle. As the stainless steel cable unwinds from the winch, it passes up through the inside of the flagpole shaft, over the truck sheave to the outside of the shaft, where the retainer ring provides a sliding anchor. A counterweight, heavily coated with neoprene, attached to the retainer ring, allows the halyard to be lowered for fastening or removing the flag. The winch is gearless and self-locking at any point, eliminating the need for a separate brake. This direct drive winch provides rapid raising and lowering of the flag with little effort. This design does not require any welding, thus avoiding discoloration when an anodized finish is desired. No monthly lubrication is needed and this winch system is easily adaptable to existing on-site flagpoles.

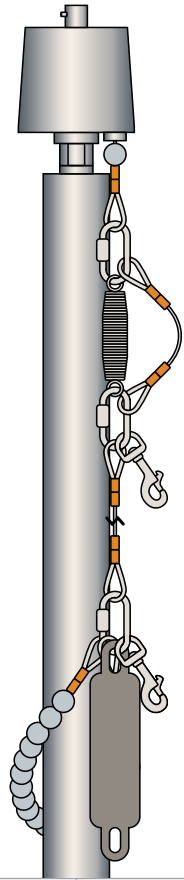
STANDARD ACCESSORIES

- Cast aluminum revolving truck with enclosed stainless steel bearings and raceway
- Stainless Steel Cable Assembly
- Deluxe Flag Arrangement
- Retainer ring and counterweight
- M-Winch System
- Spun aluminum flash collar
- Galvanized steel foundation sleeve
- See p.162-163 for optional ornament selections

20' – 35' POLES



40' – 80' POLES



MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
ECX20IH	20'	23'	1	5"	3"	.125	250 MPH	120+ MPH	3' x 5'	129 lbs.
EC20IH	20'	23'	1	5"	3"	.188	315 MPH	120+ MPH	3' x 5'	147 lbs.
ECX25IH	25'	27'	1	5"	3"	.125	144 MPH	104 MPH	4' x 6'	139 lbs.
ECXA25IH	25'	27'	1	5"	3"	.156	192 MPH	117 MPH	4' x 6'	157 lbs.
EC25IH	25'	27'	1	6"	3-1/2"	.188	222 MPH	120+ MPH	4' x 6'	195 lbs.
ECX30IH	30'	33'	1 or 2*	5"	3"	.125	110 MPH	75 MPH	5' x 8'	177 lbs.
ECXA30IH	30'	33'	1 or 2*	5"	3"	.156	119 MPH	91 MPH	5' x 8'	187 lbs.
ECL30IH	30'	33'	1	5"	3"	.188	131 MPH	100 MPH	5' x 8'	190 lbs.
ECA30IH	30'	33'	1 or 2*	6"	3-1/2"	.156	184 MPH	117 MPH	5' x 8'	239 lbs.
EC30IH	30'	33'	1 or 2*	6"	3-1/2"	.188	211 MPH	120+ MPH	5' x 8'	242 lbs.
ECSA35IH	35'	38-1/2'	1	5"	3"	.188	104 MPH	86 MPH	6' x 10'	241 lbs.
ECX35IH	35'	38-1/2'	1 or 2*	6"	3-1/2"	.156	122 MPH	91 MPH	6' x 10'	261 lbs.
ECA35IH	35'	38-1/2'	1 or 2*	7"	3-1/2"	.156	179 MPH	117 MPH	6' x 10'	280 lbs.
EC35IH	35'	38-1/2'	1 or 2*	7"	3-1/2"	.188	200 MPH	120 MPH	6' x 10'	290 lbs.
ECX40IH	40'	44'	2**	7"	3-1/2"	.156	125 MPH	91 MPH	8' x 12'	282 lbs.
ECA40IH	40'	44'	2**	8"	3-1/2"	.156	171 MPH	110 MPH	8' x 12'	319 lbs.
EC40IH	40'	44'	2**	8"	3-1/2"	.188	203 MPH	120 MPH	8' x 12'	319 lbs.
EC45IH	45'	49-1/2'	2**	8"	3-1/2"	.188	166 MPH	100 MPH	8' x 12'	371 lbs.
ECX50IH	50'	55'	3**	8"	3-1/2"	.188	118 MPH	85 MPH	10' x 15'	443 lbs.
EC50IH	50'	55'	3**	10"	4"	.188	185 MPH	115 MPH	10' x 15'	523 lbs.
ECX60IH	60'	66'	3**	10"	4"	.188	122 MPH	90 MPH	12' x 18'	675 lbs.
ECXA60IH	60'	66'	3**	10"	4"	.250	150 MPH	106 MPH	12' x 18'	764 lbs.
EC60IH	60'	66'	3**	12"	4"	.250	213 MPH	120 MPH	12' x 18'	843 lbs.
ECX70IH	70'	77'	3**	10"	4"	.312	127 MPH	91 MPH	15' x 25'	1042 lbs.
EC70IH	70'	77'	3**	12"	4"	.250	169 MPH	105 MPH	15' x 25'	988 lbs.
EC80IH	80'	88'	3**	12"	4"	.375	174 MPH	105 MPH	20' x 30'	1367 lbs.

* Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified. **Add 10% to the pricing for two section style flagpoles.**

** Flagpole models available in multi-piece pole(s) only.

DELUXE IH SERIES

Internal Halyard Ground Set Cone Tapered Aluminum Flagpoles

SATIN

MODEL	ITEM #	1-2	3-6	7+
ECX20IH	320473	\$1,870	\$1,770	\$1,680
EC20IH	320474	2,220	2,140	2,010
ECX25IH	320475	2,070	1,970	1,830
ECXA25IH	320476	2,270	2,150	2,050
EC25IH	320477	3,290	3,130	2,970
ECX30IH	320478	2,210	2,110	2,010
ECXA30IH	320479	2,440	2,330	2,200
ECL30IH	320892	2,550	2,430	2,320
ECA30IH	320480	3,720	3,520	3,340
EC30IH	320481	3,830	3,640	3,450
ECSA35IH	320482	2,700	2,570	2,420
ECX35IH	320483	3,790	3,600	3,410
ECA35IH	320484	3,990	3,800	3,590
EC35IH	320485	4,490	4,270	4,030
ECX40IH	320486	4,700	4,460	4,230
ECA40IH	320487	5,280	5,010	4,750
EC40IH	320488	5,440	5,170	4,900
EC45IH	320489	5,700	5,410	5,110
ECX50IH	320490	5,960	5,650	5,350
EC50IH	320491	7,190	6,800	6,460
ECX60IH	320492	8,460	8,030	7,600
ECXA60IH	320493	10,370	9,860	9,340
EC60IH	320494	12,860	12,220	11,560
ECX70IH	320495	11,750	11,160	10,560
EC70IH	320496	14,020	13,280	12,530
EC80IH	320497	18,120	16,990	16,120

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECX20IH	320523	\$2,190	\$2,100	\$1,980
EC20IH	320524	2,550	2,440	2,310
ECX25IH	320525	2,420	2,300	2,170
ECXA25IH	320526	2,650	2,520	2,390
EC25IH	320527	3,770	3,580	3,390
ECX30IH	320528	2,640	2,500	2,360
ECXA30IH	320529	2,900	2,750	2,600
ECL30IH	320894	3,010	2,850	2,710
ECA30IH	320530	4,250	4,040	3,800
EC30IH	320531	4,370	4,150	3,940
ECSA35IH	320532	3,190	3,010	2,880
ECX35IH	320533	4,390	4,190	3,940
ECA35IH	320534	4,680	4,470	4,220
EC35IH	320535	5,200	4,950	4,650
ECX40IH	320536	5,460	5,180	4,920
ECA40IH	320537	6,140	5,830	5,520
EC40IH	320538	6,290	5,990	5,660
EC45IH	320539	6,670	6,330	6,010
ECX50IH	320540	7,040	6,700	6,340
EC50IH	320541	8,490	8,050	7,630
ECX60IH	320542	10,000	9,500	8,990
ECXA60IH	320543	12,050	11,450	10,830
EC60IH	320544	14,870	14,120	13,390
ECX70IH	320545	13,700	13,030	12,320
EC70IH	320546	16,410	15,590	14,770
EC80IH	320547	20,850	19,810	18,630

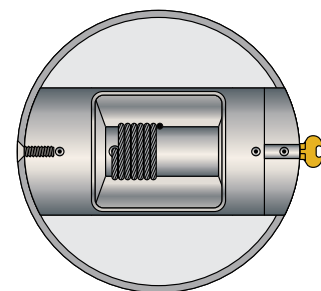
CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECX20IH	320498	\$2,160	\$2,080	\$1,940
EC20IH	320499	2,520	2,400	2,270
ECX25IH	320500	2,360	2,240	2,130
ECXA25IH	320501	2,590	2,460	2,320
EC25IH	320502	3,700	3,550	3,360
ECX30IH	320503	2,580	2,430	2,310
ECXA30IH	320504	2,810	2,700	2,520
ECL30IH	320893	2,920	2,800	2,620
ECA30IH	320505	4,200	3,960	3,760
EC30IH	320506	4,330	4,100	3,870
ECSA35IH	320507	3,140	2,970	2,830
ECX35IH	320508	4,310	4,080	3,860
ECA35IH	320509	4,580	4,370	4,130
EC35IH	320510	5,110	4,860	4,580
ECX40IH	320511	5,360	5,090	4,820
ECA40IH	320512	6,010	5,720	5,410
EC40IH	320513	6,170	5,880	5,560
EC45IH	320514	6,530	6,210	5,880
ECX50IH	320515	6,870	6,570	6,220
EC50IH	320516	8,280	7,880	7,460
ECX60IH	320517	9,690	9,200	8,710
ECXA60IH	320518	11,720	11,130	10,520
EC60IH	320519	14,480	13,780	13,020
ECX70IH	320520	13,310	12,640	11,970
EC70IH	320521	15,950	15,140	14,350
EC80IH	320522	20,310	19,290	18,270

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECX20IH	320548	\$2,280	\$2,160	\$2,060
EC20IH	320549	2,640	2,500	2,370
ECX25IH	320550	2,510	2,380	2,240
ECXA25IH	320551	2,720	2,590	2,440
EC25IH	320552	3,840	3,640	3,440
ECX30IH	320553	2,740	2,600	2,450
ECXA30IH	320554	2,970	2,840	2,690
ECL30IH	320895	3,090	2,940	2,790
ECA30IH	320555	4,380	4,170	3,930
EC30IH	320556	4,500	4,280	4,040
ECSA35IH	320557	3,320	3,150	2,960
ECX35IH	320558	4,540	4,320	4,080
ECA35IH	320559	4,840	4,580	4,340
EC35IH	320560	5,340	5,080	4,820
ECX40IH	320561	5,640	5,360	5,080
ECA40IH	320562	6,330	6,010	5,670
EC40IH	320563	6,490	6,160	5,830
EC45IH	320564	6,860	6,550	6,210
ECX50IH	320565	7,270	6,900	6,540
EC50IH	320566	8,800	8,340	7,910
ECX60IH	320567	10,270	9,750	9,260
ECXA60IH	320568	12,300	11,700	11,070
EC60IH	320569	15,190	14,400	13,610
ECX70IH	320570	13,970	13,280	12,560
EC70IH	320571	16,690	15,910	15,120
EC80IH	320572	21,100	20,080	19,000

M-WINCH DETAIL

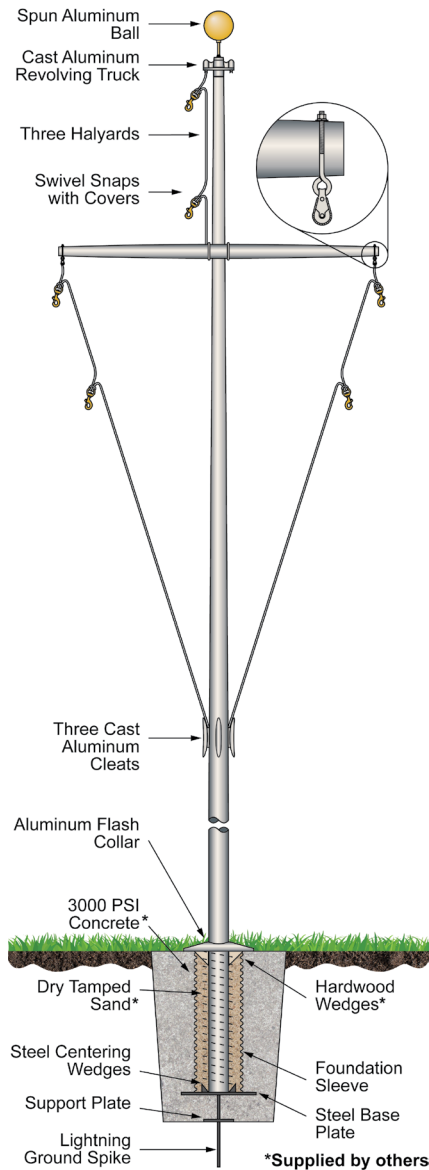


No welding required, thus no discoloration when anodized. No monthly lubrication needed.



SINGLE MAST NAUTICAL SERIES WITH YARDARM

External Halyard Ground Set Cone Tapered Aluminum Flagpoles



STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum revolving truck w/pulley
- Aluminum yardarm with pulleys & mounting hardware
- 3 lengths of solid braided polypropylene halyard
- Swivel flag snaps w/vinyl snap covers
- 3 cast aluminum cleats with mounting screws
- Spun aluminum flash collar
- Galvanized steel foundation sleeve



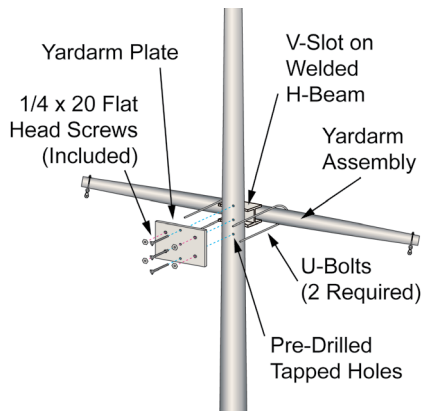
MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	YARDARM LENGTH*	SHIPPING WEIGHT
ECXP20-Y	20'	23'	1	5"	3"	.125	6'	155 lbs.
ECP20-Y	20'	23'	1	5"	3"	.188	6'	173 lbs.
ECXP25-Y	25'	27'	1	5"	3"	.125	6-1/2'	167 lbs.
ECXAP25-Y	25'	27'	1	5"	3"	.156	6-1/2'	185 lbs.
ECP25-Y	25'	27'	1	6"	3-1/2"	.188	6-1/2'	233 lbs.
ECXP30-Y	30'	33'	1 or 2*	5"	3"	.125	8-1/2'	194 lbs.
ECXAP30-Y	30'	33'	1 or 2*	5"	3"	.156	8-1/2'	202 lbs.
ECAP30-Y	30'	33'	1 or 2*	6"	3-1/2"	.156	8-1/2'	254 lbs.
ECP30-Y	30'	33'	1 or 2*	6"	3-1/2"	.188	8-1/2'	257 lbs.
ECSAP35-Y	35'	38-1/2'	1	5"	3"	.188	9-1/2'	262 lbs.
ECXP35-Y	35'	38-1/2'	1 or 2*	6"	3-1/2"	.156	9-1/2'	280 lbs.
ECAP35-Y	35'	38-1/2'	1 or 2*	7"	3-1/2"	.156	9-1/2'	299 lbs.
ECP35-Y	35'	38-1/2'	1 or 2*	7"	3-1/2"	.188	9-1/2'	319 lbs.
ECXP40-Y	40'	44'	2**	7"	3-1/2"	.156	11'	324 lbs.
ECAP40-Y	40'	44'	2**	8"	3-1/2"	.156	11'	350 lbs.
ECP40-Y	40'	44'	2**	8"	3-1/2"	.188	11'	361 lbs.
ECP45-Y	45'	49-1/2'	2**	8"	3-1/2"	.188	11'	413 lbs.
ECXP50-Y	50'	55'	3**	8"	3-1/2"	.188	13'	492 lbs.
ECP50-Y	50'	55'	3**	10"	4"	.188	13'	572 lbs.
ECXP60-Y	60'	66'	3**	10"	4"	.188	14'	735 lbs.
ECXAP60-Y	60'	66'	3**	10"	4"	.250	14'	824 lbs.
ECP60-Y	60'	66'	3**	12"	4"	.250	14'	903 lbs.
ECXP70-Y	70'	77'	3**	10"	4"	.312	16'	1107 lbs.
ECP70-Y	70'	77'	3**	12"	4"	.250	16'	1053 lbs.
ECP80-Y	80'	88'	3**	12"	4"	.375	18'	1442 lbs.

* Yardarm Center diameter is 3-1/2", End diameter is 2"

* **Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified. Add 10% to the pricing for two section style flagpoles.**

** **Flagpole models available in multi-piece pole(s) only.**

YARDARM ASSEMBLY DETAIL



SINGLE MAST NAUTICAL SERIES WITH YARDARM

External Halyard Ground Set Cone Tapered Aluminum Flagpoles

NOTE: All pole pricing below includes the yardarm. See page 152 for pricing on yardarms only.

SATIN

MODEL	ITEM #	1-2	3-6	7+
ECXP20-Y	320573	\$1,920	\$1,810	\$1,710
ECP20-Y	320574	2,270	2,160	2,050
ECXP25-Y	320575	2,040	1,920	1,790
ECXAP25-Y	320576	2,270	2,140	2,030
ECP25-Y	320577	2,690	2,560	2,410
ECXP30-Y	320578	2,240	2,150	2,010
ECXAP30-Y	320579	2,520	2,390	2,230
ECAP30-Y	320580	2,880	2,760	2,570
ECP30-Y	320581	2,940	2,810	2,620
ECSAP35-Y	320582	2,720	2,590	2,420
ECXP35-Y	320583	2,970	2,840	2,630
ECAP35-Y	320584	3,280	3,120	2,930
ECP35-Y	320585	3,650	3,470	3,280
ECXP40-Y	320586	4,070	3,870	3,650
ECAP40-Y	320587	4,370	4,180	3,920
ECP40-Y	320588	4,560	4,370	4,130
ECP45-Y	320589	5,010	4,760	4,500
ECXP50-Y	320590	5,420	5,150	4,850
ECP50-Y	320591	6,530	6,230	5,890
ECXP60-Y	320592	7,450	7,190	6,690
ECXAP60-Y	320593	9,130	8,700	8,230
ECP60-Y	320594	11,730	11,140	10,560
ECXP70-Y	320595	11,270	10,720	10,140
ECP70-Y	320596	13,170	12,500	11,840
ECP80-Y	320597	16,220	15,510	14,690

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECXP20-Y	320598	\$2,340	\$2,210	\$2,110
ECP20-Y	320599	2,720	2,590	2,450
ECXP25-Y	320600	2,480	2,380	2,200
ECXAP25-Y	320601	2,690	2,580	2,420
ECP25-Y	320602	3,230	3,040	2,890
ECXP30-Y	320603	2,780	2,640	2,530
ECXAP30-Y	320604	3,020	2,870	2,690
ECAP30-Y	320605	3,460	3,300	3,110
ECP30-Y	320606	3,550	3,380	3,180
ECSAP35-Y	320607	3,330	3,150	2,960
ECXP35-Y	320608	3,640	3,430	3,260
ECAP35-Y	320609	4,010	3,780	3,560
ECP35-Y	320610	4,410	4,200	3,940
ECXP40-Y	320611	4,850	4,640	4,360
ECAP40-Y	320612	5,260	5,000	4,720
ECP40-Y	320613	5,490	5,220	4,920
ECP45-Y	320614	5,960	5,650	5,340
ECXP50-Y	320615	6,510	6,190	5,860
ECP50-Y	320616	8,010	7,630	7,210
ECXP60-Y	320617	8,880	8,430	7,970
ECXAP60-Y	320618	10,640	10,110	9,570
ECP60-Y	320619	13,350	12,670	11,990
ECXP70-Y	320620	13,080	12,420	11,750
ECP70-Y	320621	15,050	14,300	13,520
ECP80-Y	320622	18,790	17,800	16,890

BRONZE ANODIZED

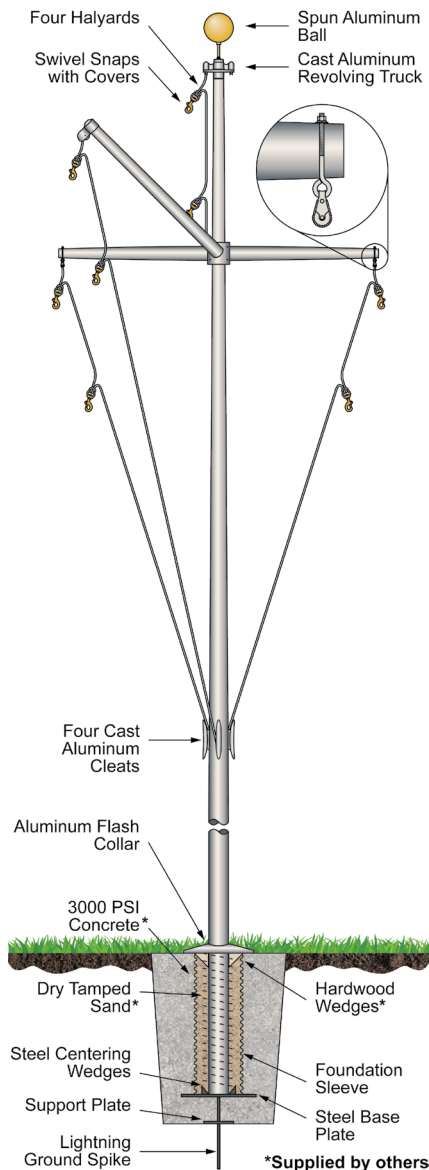
MODEL	ITEM #	1-2	3-6	7+
ECXP20-Y	320623	\$2,400	\$2,270	\$2,160
ECP20-Y	320624	2,770	2,650	2,500
ECXP25-Y	320625	2,550	2,440	2,290
ECXAP25-Y	320626	2,840	2,660	2,540
ECP25-Y	320627	3,290	3,160	2,960
ECXP30-Y	320628	2,870	2,750	2,570
ECXAP30-Y	320629	3,170	3,020	2,860
ECAP30-Y	320630	3,610	3,430	3,260
ECP30-Y	320631	3,700	3,500	3,310
ECSAP35-Y	320632	3,460	3,290	3,120
ECXP35-Y	320633	3,810	3,610	3,390
ECAP35-Y	320634	4,180	3,960	3,750
ECP35-Y	320635	4,600	4,360	4,110
ECXP40-Y	320636	5,120	4,860	4,590
ECAP40-Y	320637	5,510	5,230	4,980
ECP40-Y	320638	5,740	5,460	5,150
ECP45-Y	320639	6,230	5,910	5,590
ECXP50-Y	320640	6,830	6,470	6,130
ECP50-Y	320641	8,370	7,950	7,510
ECXP60-Y	320642	9,310	8,850	8,360
ECXAP60-Y	320643	11,030	10,490	9,960
ECP60-Y	320644	13,810	13,120	12,410
ECXP70-Y	320645	13,580	12,910	12,220
ECP70-Y	320646	15,610	14,810	14,020
ECP80-Y	320647	19,370	18,400	17,360

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECXP20-Y	320648	\$2,520	\$2,400	\$2,240
ECP20-Y	320649	2,910	2,770	2,610
ECXP25-Y	320650	2,720	2,560	2,410
ECXAP25-Y	320651	2,930	2,780	2,610
ECP25-Y	320652	3,500	3,310	3,130
ECXP30-Y	320653	3,070	2,920	2,750
ECXAP30-Y	320654	3,300	3,130	2,940
ECAP30-Y	320655	3,780	3,590	3,380
ECP30-Y	320656	3,920	3,720	3,500
ECSAP35-Y	320657	3,640	3,450	3,270
ECXP35-Y	320658	4,010	3,820	3,570
ECAP35-Y	320659	4,380	4,180	3,940
ECP35-Y	320660	4,820	4,570	4,310
ECXP40-Y	320661	5,340	5,100	4,790
ECAP40-Y	320662	5,760	5,480	5,170
ECP40-Y	320663	6,050	5,740	5,440
ECP45-Y	320664	6,560	6,240	5,900
ECXP50-Y	320665	7,170	6,830	6,460
ECP50-Y	320666	8,840	8,380	7,940
ECXP60-Y	320667	9,810	9,290	8,790
ECXAP60-Y	320668	11,570	10,950	10,380
ECP60-Y	320669	14,360	13,610	12,910
ECXP70-Y	320670	14,490	13,780	13,060
ECP70-Y	320671	16,660	15,810	14,990
ECP80-Y	320672	20,130	19,130	18,130

SINGLE MAST NAUTICAL SERIES WITH YARDARM & GAFF

External Halyard Ground Set Cone Tapered Aluminum Flagpoles



STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum revolving truck w/pulley
- Aluminum yardarm & gaff with pulleys & mounting hardware
- 4 lengths of solid braided polypropylene halyard
- Swivel flag snaps w/vinyl snap covers
- 4 cast aluminum cleats with mounting screws
- Spun aluminum flash collar
- Galvanized steel foundation sleeve



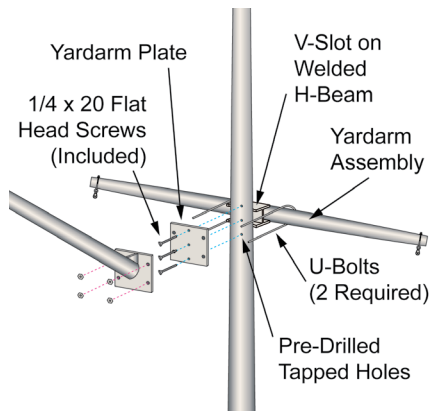
MODEL	EXP. HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	YARDARM LENGTH*	GAFF LENGTH	SHIPPING WEIGHT
ECXP20-YG	20'	23'	1	5"	3"	.125	6'	5'	185 lbs.
ECP20-YG	20'	23'	1	5"	3"	.188	6'	5'	203 lbs.
ECXP25-YG	25'	27'	1	5"	3"	.125	6-1/2'	5-1/2'	217 lbs.
ECXAP25-YG	25'	27'	1	5"	3"	.156	6-1/2'	5-1/2'	217 lbs.
ECP25-YG	25'	27'	1	6"	3-1/2"	.188	6-1/2'	5-1/2'	263 lbs.
ECXP30-YG	30'	33'	1 or 2*	5"	3"	.125	8-1/2'	6-1/2'	227 lbs.
ECXAP30-YG	30'	33'	1 or 2*	5"	3"	.156	8-1/2'	6-1/2'	235 lbs.
ECAP30-YG	30'	33'	1 or 2*	6"	3-1/2"	.156	8-1/2'	6-1/2'	279 lbs.
ECP30-YG	30'	33'	1 or 2*	6"	3-1/2"	.188	8-1/2'	6-1/2'	290 lbs.
ECSAP35-YG	35'	38-1/2'	1	5"	3"	.188	9-1/2'	7-1/2'	289 lbs.
ECXP35-YG	35'	38-1/2'	1 or 2*	6"	3-1/2"	.156	9-1/2'	7-1/2'	307 lbs.
ECAP35-YG	35'	38-1/2'	1 or 2*	7"	3-1/2"	.156	9-1/2'	7-1/2'	336 lbs.
ECP35-YG	35'	38-1/2'	1 or 2*	7"	3-1/2"	.188	9-1/2'	7-1/2'	356 lbs.
ECXP40-YG	40'	44'	2**	7"	3-1/2"	.156	11'	9'	366 lbs.
ECAP40-YG	40'	44'	2**	8"	3-1/2"	.156	11'	9'	377 lbs.
ECP40-YG	40'	44'	2**	8"	3-1/2"	.188	11'	9'	403 lbs.
ECP45-YG	45'	49-1/2'	2**	8"	3-1/2"	.188	11'	9'	455 lbs.
ECXP50-YG	50'	55'	3**	8"	3-1/2"	.188	13'	10'	533 lbs.
ECP50-YG	50'	55'	3**	10"	4"	.188	13'	10'	613 lbs.
ECXP60-YG	60'	66'	3**	10"	4"	.188	14'	12'	785 lbs.
ECXAP60-YG	60'	66'	3**	10"	4"	.250	14'	12'	872 lbs.
ECP60-YG	60'	66'	3**	12"	4"	.250	14'	12'	956 lbs.
ECXP70-YG	70'	77'	3**	10"	4"	.312	16'	13'	1162 lbs.
ECP70-YG	70'	77'	3**	12"	4"	.250	16'	13'	1103 lbs.
ECP80-YG	80'	88'	3**	12"	4"	.375	18'	14'	1499 lbs.

♦ Yardarm Center diameter is 3-1/2", End diameter is 2" | ■ Gaff Butt diameter is 3-1/2", Top diameter is 2"

* Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified.
Add 10% to the pricing for two section style flagpoles.

** Flagpole models available in multi-piece pole(s) only.

YARDARM & GAFF ASSEMBLY DETAIL



SINGLE MAST NAUTICAL SERIES WITH YARDARM & GAFF

External Halyard Ground Set Cone Tapered Aluminum Flagpoles

NOTE: All pole pricing below includes the yardarm & gaff. See page 152 for pricing on yardarms & gaffs only.

SATIN

MODEL	ITEM #	1-2	3-6	7+
ECXP20-YG	320673	\$2,450	\$2,320	\$2,180
ECP20-YG	320674	2,830	2,690	2,530
ECXP25-YG	320675	2,590	2,450	2,290
ECXAP25-YG	320676	2,840	2,680	2,520
ECP25-YG	320677	3,260	3,120	2,940
ECXP30-YG	320678	2,870	2,740	2,540
ECXAP30-YG	320679	3,140	2,960	2,790
ECAP30-YG	320680	3,480	3,340	3,120
ECP30-YG	320681	3,560	3,400	3,180
ECSAP35-YG	320682	3,360	3,210	2,970
ECXP35-YG	320683	3,610	3,440	3,200
ECAP35-YG	320684	3,910	3,740	3,480
ECP35-YG	320685	4,310	4,100	3,840
ECXP40-YG	320686	4,730	4,510	4,250
ECAP40-YG	320687	5,040	4,820	4,500
ECP40-YG	320688	5,220	5,020	4,700
ECP45-YG	320689	5,670	5,410	5,090
ECXP50-YG	320690	6,110	5,810	5,480
ECP50-YG	320691	7,230	6,900	6,530
ECXP60-YG	320692	8,200	7,880	7,370
ECXAP60-YG	320693	9,900	9,410	8,900
ECP60-YG	320694	12,480	11,860	11,240
ECXP70-YG	320695	12,090	11,500	10,860
ECP70-YG	320696	13,980	13,290	12,580
ECP80-YG	320697	17,140	16,360	15,500

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECXP20-YG	320698	\$3,000	\$2,860	\$2,690
ECP20-YG	320699	3,420	3,260	3,060
ECXP25-YG	320700	3,200	3,060	2,860
ECXAP25-YG	320701	3,410	3,280	3,060
ECP25-YG	320702	3,970	3,760	3,570
ECXP30-YG	320703	3,550	3,380	3,220
ECXAP30-YG	320704	3,800	3,590	3,390
ECAP30-YG	320705	4,250	4,030	3,800
ECP30-YG	320706	4,340	4,110	3,870
ECSAP35-YG	320707	4,130	3,920	3,700
ECXP35-YG	320708	4,440	4,220	3,970
ECAP35-YG	320709	4,810	4,560	4,310
ECP35-YG	320710	5,210	4,980	4,660
ECXP40-YG	320711	5,740	5,460	5,130
ECAP40-YG	320712	6,130	5,800	5,490
ECP40-YG	320713	6,370	6,040	5,690
ECP45-YG	320714	6,830	6,480	6,110
ECXP50-YG	320715	7,450	7,090	6,690
ECP50-YG	320716	8,960	8,530	8,040
ECXP60-YG	320717	9,910	9,420	8,900
ECXAP60-YG	320718	11,670	11,100	10,490
ECP60-YG	320719	14,400	13,670	12,930
ECXP70-YG	320720	14,180	13,470	12,730
ECP70-YG	320721	16,160	15,350	14,520
ECP80-YG	320722	19,990	18,960	17,980

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECXP20-YG	320723	\$3,100	\$2,950	\$2,800
ECP20-YG	320724	3,510	3,350	3,160
ECXP25-YG	320725	3,330	3,170	2,980
ECXAP25-YG	320726	3,600	3,400	3,230
ECP25-YG	320727	4,090	3,920	3,670
ECXP30-YG	320728	3,670	3,520	3,310
ECXAP30-YG	320729	3,970	3,800	3,580
ECAP30-YG	320730	4,420	4,220	3,970
ECP30-YG	320731	4,500	4,280	4,040
ECSAP35-YG	320732	4,380	4,160	3,920
ECXP35-YG	320733	4,700	4,480	4,210
ECAP35-YG	320734	5,080	4,850	4,560
ECP35-YG	320735	5,530	5,240	4,930
ECXP40-YG	320736	6,130	5,840	5,490
ECAP40-YG	320737	6,530	6,200	5,870
ECP40-YG	320738	6,750	6,430	6,040
ECP45-YG	320739	7,250	6,870	6,490
ECXP50-YG	320740	7,900	7,480	7,090
ECP50-YG	320741	9,460	8,990	8,490
ECXP60-YG	320742	10,460	9,940	9,400
ECXAP60-YG	320743	12,190	11,580	11,000
ECP60-YG	320744	14,990	14,220	13,460
ECXP70-YG	320745	14,840	14,090	13,350
ECP70-YG	320746	16,880	16,020	15,170
ECP80-YG	320747	20,750	19,710	18,600

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECXP20-YG	320748	\$3,270	\$3,100	\$2,920
ECP20-YG	320749	3,690	3,510	3,300
ECXP25-YG	320750	3,520	3,340	3,130
ECXAP25-YG	320751	3,740	3,540	3,350
ECP25-YG	320752	4,350	4,110	3,880
ECXP30-YG	320753	3,940	3,750	3,520
ECXAP30-YG	320754	4,180	3,940	3,730
ECAP30-YG	320755	4,650	4,420	4,160
ECP30-YG	320756	4,810	4,530	4,280
ECSAP35-YG	320757	4,630	4,420	4,150
ECXP35-YG	320758	5,010	4,780	4,470
ECAP35-YG	320759	5,390	5,130	4,840
ECP35-YG	320760	5,820	5,550	5,200
ECXP40-YG	320761	6,460	6,130	5,780
ECAP40-YG	320762	6,850	6,510	6,140
ECP40-YG	320763	7,140	6,780	6,420
ECP45-YG	320764	7,650	7,280	6,870
ECXP50-YG	320765	8,350	7,950	7,500
ECP50-YG	320766	10,030	9,520	9,010
ECXP60-YG	320767	11,100	10,520	9,950
ECXAP60-YG	320768	12,860	12,190	11,530
ECP60-YG	320769	15,670	14,870	14,080
ECXP70-YG	320770	15,920	15,120	14,340
ECP70-YG	320771	18,090	17,170	16,290
ECP80-YG	320772	21,690	20,590	19,520

OUTDOOR FLAGPOLES

ALUMINUM YARDARMS

Cone Tapered For Single Mast Nautical Poles



Each yardarm is supplied with end pulleys, (2) lengths of solid braided polypropylene halyard with swivel flag snaps & snap covers, (2) 9" cast aluminum cleats with mounting screws plus all mounting hardware for a standard installation.

MODEL	FOR POLE HEIGHT	OVERALL LENGTH	CENTER DIA.	DIA. AT ENDS	SHIPPING WEIGHT
Y60	20'	6'	3-1/2"	2"	31 lbs.
Y65	25'	6-1/2'	3-1/2"	2"	33 lbs.
Y85	30'	8-1/2'	3-1/2"	2"	40 lbs.
Y95	35'	9-1/2'	3-1/2"	2"	43 lbs.
Y110	40'/45'	11'	3-1/2"	2"	52 lbs.
Y130	50'	13'	3-1/2"	2"	59 lbs.
Y140	60'	14'	3-1/2"	2"	70 lbs.
Y160	70'	16'	3-1/2"	2"	75 lbs.
Y180	80'	18'	3-1/2"	2"	85 lbs.

SATIN

MODEL	ITEM #	1-2	3-6	7+
Y60	320773	\$780	\$740	\$700
Y65	320774	820	780	730
Y85	320775	890	850	780
Y95	320776	900	870	800
Y110	320777	980	940	890
Y130	320778	1,120	1,060	970
Y140	320779	1,190	1,130	1,060
Y160	320780	1,230	1,170	1,100
Y180	320781	1,390	1,310	1,240

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
Y60	320782	\$940	\$890	\$850
Y65	320783	980	940	880
Y85	320784	1,100	1,010	960
Y95	320785	1,140	1,060	980
Y110	320786	1,240	1,190	1,120
Y130	320787	1,400	1,330	1,260
Y140	320788	1,460	1,370	1,300
Y160	320789	1,590	1,490	1,400
Y180	320790	1,780	1,690	1,610

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
Y60	320791	\$950	\$910	\$870
Y65	320792	1,010	970	920
Y85	320793	1,170	1,120	1,030
Y95	320794	1,230	1,170	1,100
Y110	320795	1,360	1,300	1,220
Y130	320796	1,580	1,490	1,390
Y140	320797	1,650	1,590	1,500
Y160	320798	1,800	1,720	1,630
Y180	320799	2,050	1,930	1,820

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
Y60	320800	\$1,000	\$960	\$910
Y65	320801	1,100	1,010	960
Y85	320802	1,230	1,170	1,100
Y95	320803	1,270	1,220	1,150
Y110	320804	1,430	1,360	1,290
Y130	320805	1,660	1,600	1,510
Y140	320806	1,760	1,660	1,590
Y160	320807	1,940	1,830	1,740
Y180	320808	2,190	2,090	2,010

ALUMINUM GAFFS

Cone Tapered For Single Mast Nautical Poles



Each gaff is supplied with an end pulley, (1) length of solid braided polypropylene halyard with swivel flag snaps & snap covers, (1) 9" cast aluminum cleat with mounting screws plus all mounting hardware for a standard installation.

MODEL	FOR POLE HEIGHT	OVERALL LENGTH	CENTER DIA.	DIA. AT ENDS	SHIPPING WEIGHT
G50	20'	5'	3-1/2"	2"	30 lbs.
G56	25'	5-1/2'	3-1/2"	2"	30 lbs.
G66	30'	6-1/2'	3-1/2"	2"	33 lbs.
G76	35'	7-1/2'	3-1/2"	2-3/8"	37 lbs.
G90	40'/45'	9'	3-1/2"	2-3/8"	42 lbs.
G100	50'	10'	3-1/2"	2-3/8"	46 lbs.
G120	60'	12'	3-1/2"	2-3/8"	53 lbs.
G140	70'	14'	3-1/2"	2-3/8"	60 lbs.
G160	80'	16'	3-1/2"	2-3/8"	67 lbs.

SATIN

MODEL	ITEM #	1-2	3-6	7+
G50	320809	\$530	\$500	\$480
G56	320810	550	530	490
G66	320811	590	560	530
G76	320812	620	600	550
G90	320813	660	620	560
G100	320814	680	660	600
G120	320815	710	680	640
G140	320816	750	710	680
G160	320817	850	790	750

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
G50	320818	\$670	\$620	\$570
G56	320819	710	690	640
G66	320820	760	720	690
G76	320821	790	770	720
G90	320822	850	790	750
G100	320823	920	880	800
G120	320824	980	940	870
G140	320825	1,010	970	920
G160	320826	1,140	1,070	990

BRONZE ANODIZED

MODEL	ITEM #	1-2	3-6	7+
G50	320827	\$700	\$680	\$620
G56	320828	760	720	690
G66	320829	790	760	720
G76	320830	900	870	800
G90	320831	970	930	870
G100	320832	1,030	990	940
G120	320833	1,120	1,040	980
G140	320834	1,190	1,130	1,060
G160	320835	1,300	1,240	1,170

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
G50	320836	\$740	\$700	\$670
G56	320837	790	760	720
G66	320838	860	800	760
G76	320839	980	940	880
G90	320840	1,060	990	940
G100	320841	1,170	1,100	1,020
G120	320842	1,250	1,190	1,120
G140	320843	1,300	1,240	1,190
G160	320844	1,470	1,380	1,310

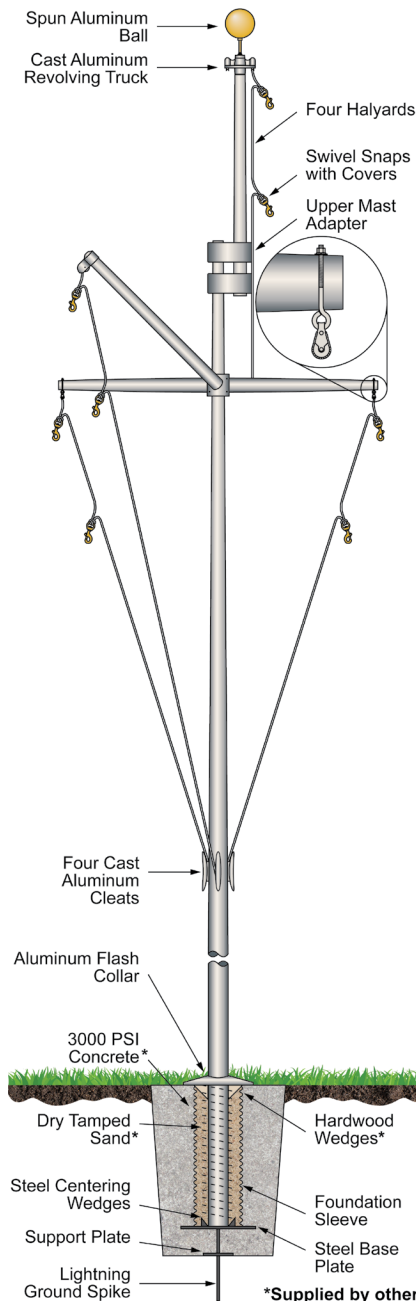
DOUBLE MAST NAUTICAL SERIES W/ YARDARM & GAFF

External Halyard Ground Set Cone Tapered Aluminum Flagpoles

Double Mast Nautical flagpoles are designed to authentically match the original concept of the old double masted ship riggings with the Stars & Stripes flying from the mast's gaff. The top & lower mast connecting bracket as well as the gaff and yardarm bracket are specially fabricated from aluminum plate and tubing, Heliarc welded and finished to match the flagpole. The resulting flagpole is one of beauty, strength and authenticity. **Please allow 4 to 6 weeks after approval for shipping on satin poles.**

MODEL	EXP. HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	YARDARM LENGTH*	GAFF LENGTH*	SHIPPING WEIGHT
ECPDM20	20'	23'	1	5"	3"	.188	6'	5'	284 lbs.
ECPDM25	25'	27'	1	6"	3-1/2"	.188	6-1/2'	5-1/2'	330 lbs.
ECPDM30	30'	33'	1	6"	3-1/2"	.188	8-1/2'	6-1/2'	391 lbs.
ECPDM35	35'	38-1/2'	2	7"	3-1/2"	.188	9-1/2'	7-1/2'	438 lbs.
ECPDM40	40'	44'	2	8"	3-1/2"	.188	11'	9'	495 lbs.
ECPDM45	45'	49-1/2'	2	8"	3-1/2"	.188	11'	9'	658 lbs.
ECPDM50	50'	55'	2	10"	4"	.188	13'	10'	996 lbs.
ECPDM60	60'	66'	2	12"	4"	.250	14'	12'	1153 lbs.
ECPDM70	70'	77'	3	12"	4"	.312	16'	14'	1549 lbs.

♦ Yardarm Center diameter is 3-1/2", End diameter is 2" ■ Gaff Butt diameter is 3-1/2", Top diameter is 2"



STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum revolving truck assembly
- 4 lengths of solid braided polypropylene halyard
- Swivel flag snaps w/vinyl snap covers
- 4 cast aluminum cleats with mounting screws
- Spun aluminum flash collar
- Corrugated steel foundation sleeve

SATIN

MODEL	ITEM #	1-2	3-6	7+
ECPDM20	320845	\$5,080	\$4,890	\$4,630
ECPDM25	320846	6,050	5,760	5,440
ECPDM30	320847	6,490	6,170	5,840
ECPDM35	320848	7,530	7,160	6,790
ECPDM40	320849	9,240	8,770	8,310
ECPDM45	320850	10,180	9,660	9,130
ECPDM50	320851	12,010	11,380	10,800
ECPDM60	320852	18,480	17,470	16,540
ECPDM70	320853	23,100	21,830	20,400

BRONZE ANODIZED

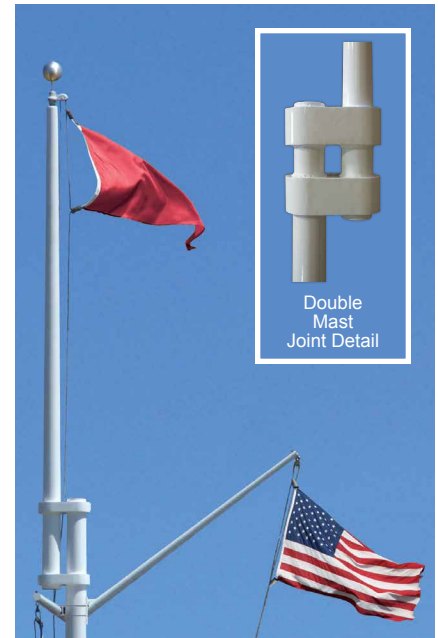
MODEL	ITEM #	1-2	3-6	7+
ECPDM20	320865	\$6,040	\$5,740	\$5,410
ECPDM25	320866	7,020	6,670	6,310
ECPDM30	320867	7,460	7,060	6,720
ECPDM35	320868	8,720	8,290	7,850
ECPDM40	320869	10,680	10,150	9,590
ECPDM45	320870	11,780	11,180	10,590
ECPDM50	320871	14,070	13,380	12,670
ECPDM60	320872	21,560	20,510	19,400
ECPDM70	320873	27,100	25,750	24,410

CLEAR ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECPDM20	320855	\$5,810	\$5,500	\$5,220
ECPDM25	320856	6,840	6,500	6,150
ECPDM30	320857	7,310	6,920	6,560
ECPDM35	320858	8,530	8,090	7,650
ECPDM40	320859	10,520	9,980	9,470
ECPDM45	320860	11,570	10,990	10,400
ECPDM50	320861	13,760	13,060	12,360
ECPDM60	320862	21,050	20,350	19,280
ECPDM70	320863	26,540	25,230	24,250

BLACK ANODIZED

MODEL	ITEM #	1-2	3-6	7+
ECPDM20	320875	\$6,130	\$5,830	\$5,500
ECPDM25	320876	7,080	6,730	6,350
ECPDM30	320877	7,520	7,120	6,780
ECPDM35	320878	8,800	8,360	7,920
ECPDM40	320879	10,760	10,230	9,680
ECPDM45	320880	11,910	11,310	10,700
ECPDM50	320881	14,170	13,470	12,750
ECPDM60	320882	21,710	20,620	19,550
ECPDM70	320883	27,610	26,250	24,900



White powder coated Double Mast Nautical pole shown

VERTICAL WALL MOUNT SERIES

External Halyard Cone Tapered Aluminum Flagpoles

BRACKETS FOR 2-3/8" THROUGH 5" POLES



BRACKETS FOR 6" AND 6-1/2" POLES



BRACKETS FOR 7", 8" OR 10" POLES*

*Available upon request



Recommended minimum spread between brackets: 10% of the length of the pole

- Gold anodized aluminum ball ornament
- Cast aluminum revolving truck on 5" & 6" diameter poles; all others have a stationary truck as standard
- Solid braided polypropylene halyard
- Cast aluminum cleat with mounting

STANDARD ACCESSORIES

- screws
- 3-1/2" thru 6" diameter poles have swivel flag snaps with vinyl covers; all others have nylon flag snaps
- Cast aluminum mounting brackets.
- If thru wall bolts are required, please advise length of bolt needed.

Wind load requirements are based upon flag size and mounted pole elevation.

MODEL	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	REC. FLAG SIZE	SHIPPING WEIGHT
EVWM8	8'	1	2-3/8"	1-7/8"	.140	3' x 5'	31 lbs.
EVWM10	10'	1	2-3/8"	1-7/8"	.140	3' x 5'	35 lbs.
EVWM12	12'	1	2-3/8"	1-7/8"	.140	3' x 5'	38 lbs.
EVWM14	14'	1	2-3/8"	1-7/8"	.140	3' x 5'	42 lbs.
EVWM17	17'	1	2-3/8"	1-7/8"	.140	3' x 5'	47 lbs.
EVWM20	20'	1	2-3/8"	1-7/8"	.140	3' x 5'	52 lbs.
EVWM22	22'	1	2-3/8"	1-7/8"	.140	3' x 5'	56 lbs.

EVWS8	8'	1	3"	1-7/8"	.125	3' x 5'	31 lbs.
EVWS10	10'	1	3"	1-7/8"	.125	3' x 5'	34 lbs.
EVWS12	12'	1	3"	1-7/8"	.125	3' x 5'	38 lbs.
EVWS14	14'	1	3"	1-7/8"	.125	3' x 5'	42 lbs.
EVWS17	17'	1	3"	1-7/8"	.125	3' x 5'	48 lbs.
EVWS20	20'	1	3"	1-7/8"	.125	3' x 5'	53 lbs.
EVWS22	22'	1	3"	1-7/8"	.125	3' x 5'	57 lbs.
EVWS25	25'	1	3"	1-7/8"	.125	3' x 5'	63 lbs.
EVWS27	27'	1	3"	1-7/8"	.125	3' x 5'	67 lbs.

EVW12	12'	1	3-1/2"	2-3/8"	.125	3' x 5'	44 lbs.
EVW16	16'	1	3-1/2"	2-3/8"	.125	3' x 5'	52 lbs.
EVW20	20'	1	3-1/2"	2-3/8"	.125	3' x 5'	59 lbs.
EVW22	22'	1	3-1/2"	2-3/8"	.125	3' x 5'	66 lbs.
EVW25	25'	1	3-1/2"	2-3/8"	.125	4' x 6'	75 lbs.
EVW27	27'	1	3-1/2"	2-3/8"	.125	4' x 6'	77 lbs.

EVWAF16	16'	1	4"	2-3/8"	.125	3' x 5'	81 lbs.
EVWAF20	20'	1	4"	2-3/8"	.125	3' x 5'	94 lbs.
EVWAF22	22'	1	4"	2-3/8"	.125	3' x 5'	101 lbs.
EVWAF25	25'	1	4"	2-3/8"	.125	4' x 6'	110 lbs.
EVWAF27	27'	1	4"	2-3/8"	.125	4' x 6'	117 lbs.
EVWAF30	30'	1 or 2*	4"	2-3/8"	.125	5' x 8'	178 lbs.

LVW20	20'	1	5"	3"	.125	4' x 6'	97 lbs.
LVWC20	20'	1	5"	3"	.188	4' x 6'	99 lbs.
LVW23	23'	1	5"	3"	.125	4' x 6'	108 lbs.
LVWC23	23'	1	5"	3"	.188	4' x 6'	111 lbs.
LVW25	25'	1	5"	3"	.125	4' x 6'	115 lbs.
LVWA25	25'	1	5"	3"	.156	4' x 6'	131 lbs.
LVW27	27'	1	5"	3"	.125	4' x 6'	123 lbs.
LVWA27	27'	1	5"	3"	.156	4' x 6'	139 lbs.

LVW30	30'	1 or 2*	6"	3-1/2"	.156	5' x 8'	178 lbs.
LVWC30	30'	1 or 2*	6"	3-1/2"	.188	5' x 8'	230 lbs.
LVW33	33'	1 or 2*	6"	3-1/2"	.156	5' x 8'	192 lbs.
LVWC33	33'	1 or 2*	6"	3-1/2"	.188	5' x 8'	250 lbs.
LVW35	35'	1 or 2*	6"	3-1/2"	.156	6' x 10'	201 lbs.

* Flagpole models available in both one and two section styles; please specify when placing your order. Single section pole(s) will be shipped if not specified. **Add 10% to the pricing for two section style flagpoles.**

Illustration depicting 5-6" butt dia. poles

VERTICAL WALL MOUNT SERIES

External Halyard Cone Tapered Aluminum Flagpoles

COMPLETE SETS INCLUDING BRACKETS

MODEL	ITEM #	SATIN			CLEAR ANODIZED				BRONZE ANODIZED				BLACK ANODIZED			
		1-2	3-6	7+	ITEM #	1-2	3-6	7+	ITEM #	1-2	3-6	7+	ITEM #	1-2	3-6	7+
EVWM8	322698	\$600	\$580	\$540	322739	\$750	\$710	\$680	322780	\$770	\$740	\$700	322821	\$780	\$750	\$710
EVWM10	322699	620	590	550	322740	770	740	700	322781	790	760	720	322822	800	770	730
EVWM12	322700	660	600	580	322741	790	760	720	322782	850	790	750	322823	860	790	750
EVWM14	322701	670	620	560	322742	850	780	740	322783	870	830	770	322824	890	860	780
EVWM17	322702	710	680	640	322743	870	830	770	322784	900	860	790	322825	920	880	850
EVWM20	322703	740	700	670	322744	910	860	790	322785	960	910	860	322826	980	930	890
EVWM22	322704	760	720	690	322745	950	900	850	322786	1,000	960	910	322827	1,030	980	930
EVWS8	322705	490	470	450	322746	590	560	520	322787	600	580	530	322828	620	590	550
EVWS10	322706	500	480	460	322747	620	590	540	322788	670	600	560	322829	680	620	590
EVWS12	322707	530	500	480	322748	680	620	580	322789	690	640	590	322830	700	670	620
EVWS14	322708	580	550	510	322749	700	670	620	322790	720	690	640	322831	740	700	670
EVWS17	322709	620	580	550	322750	750	710	680	322791	760	720	690	322832	780	750	710
EVWS20	322710	660	600	560	322751	770	740	700	322792	830	780	740	322833	850	790	750
EVWS22	322711	700	670	620	322752	800	760	730	322793	860	800	760	322834	880	830	780
EVWS25	322712	750	710	680	322753	880	830	770	322794	900	870	800	322835	920	880	800
EVWS27	322713	770	740	700	322754	900	870	790	322795	940	890	850	322836	950	900	860
EVW12	322714	1,000	960	910	322755	1,110	1,040	980	322796	1,270	1,220	1,160	322837	1,330	1,270	1,210
EVW16	322715	1,030	980	930	322756	1,160	1,110	1,010	322797	1,310	1,250	1,190	322838	1,400	1,310	1,250
EVW20	322716	1,070	990	940	322757	1,190	1,130	1,090	322798	1,350	1,290	1,220	322839	1,450	1,370	1,290
EVW22	322717	1,090	1,010	960	322758	1,220	1,160	1,110	322799	1,400	1,310	1,250	322840	1,490	1,410	1,320
EVW25	322718	1,120	1,040	990	322759	1,240	1,190	1,120	322800	1,420	1,330	1,270	322841	1,550	1,460	1,350
EVW27	322719	1,160	1,100	1,010	322760	1,260	1,210	1,140	322801	1,460	1,380	1,300	322842	1,590	1,500	1,400
EVWAF16	322720	1,230	1,180	1,120	322761	1,470	1,400	1,310	322802	1,530	1,450	1,350	322843	1,610	1,530	1,430
EVWAF20	322721	1,250	1,200	1,140	322762	1,500	1,420	1,330	322803	1,590	1,500	1,400	322844	1,640	1,580	1,490
EVWAF22	322722	1,270	1,210	1,160	322763	1,550	1,460	1,350	322804	1,620	1,550	1,460	322845	1,680	1,610	1,530
EVWAF25	322723	1,320	1,260	1,200	322764	1,730	1,650	1,580	322805	1,650	1,590	1,500	322846	1,720	1,630	1,570
EVWAF27	322724	1,350	1,290	1,220	322765	1,770	1,670	1,600	322806	1,680	1,620	1,550	322847	1,770	1,670	1,600
EVWAF30	322725	1,500	1,430	1,350	322766	1,840	1,750	1,660	322807	1,870	1,790	1,690	322848	1,910	1,830	1,730
LVW20	322726	1,510	1,430	1,340	322767	1,820	1,730	1,640	322808	2,000	1,870	1,780	322849	2,080	1,980	1,830
LVWC20	322727	1,790	1,720	1,650	322768	2,170	2,060	1,920	322809	2,340	2,200	2,100	322850	2,400	2,290	2,180
LVW23	322728	1,550	1,460	1,370	322769	1,840	1,770	1,670	322810	2,040	1,890	1,800	322851	2,100	2,020	1,880
LVWC23	322729	1,820	1,740	1,660	322770	2,190	2,100	1,970	322811	2,360	2,230	2,140	322852	2,410	2,240	2,160
LVW25	322730	1,580	1,490	1,400	322771	1,980	1,840	1,760	322812	2,090	2,010	1,860	322853	2,130	2,050	1,910
LVWA25	322731	1,770	1,680	1,600	322772	2,160	2,080	1,980	322813	2,200	2,100	2,010	322854	2,350	2,240	2,130
LVW27	322732	1,610	1,510	1,420	322773	2,000	1,870	1,780	322814	2,110	2,030	1,890	322855	2,150	2,070	1,940
LVWA27	322733	1,800	1,710	1,630	322774	2,200	2,100	2,000	322815	2,240	2,130	2,040	322856	2,400	2,280	2,150
LVW30	322734	2,270	2,150	2,050	322775	2,780	2,640	2,530	322816	2,850	2,690	2,570	322857	2,910	2,780	2,630
LVWC30	322735	2,420	2,310	2,170	322776	2,920	2,790	2,650	322817	2,960	2,840	2,680	322858	3,090	2,920	2,780
LVW33	322736	2,320	2,200	2,100	322777	2,820	2,660	2,540	322818	2,890	2,760	2,610	322859	2,950	2,830	2,660
LVWC33	322737	2,450	2,340	2,200	322778	2,960	2,840	2,680	322819	2,980	2,860	2,720	322860	3,130	2,950	2,810
LVW35	322738	2,330	2,210	2,110	322779	2,880	2,730	2,600	322820	2,940	2,820	2,640	322861	3,020	2,870	2,720

BRACKETS ONLY

Mounting Hardware Not Included & Priced Separately on Page 185

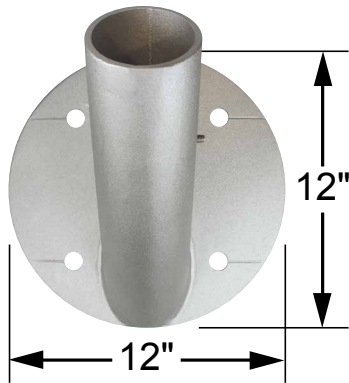
FOR POLE DIA.	MODEL	LBS	SATIN				CLEAR				BRONZE				BLACK			
			ITEM #	1-2	3-6	7+	ITEM #	1-2	3-6	7+	ITEM #	1-2	3-6	7+	ITEM #	1-2	3-6	7+
2-3/8"	EVWM/B	4.1	323026	\$150	\$140	\$130	323033	\$185	\$175	\$165	323040	\$185	\$175	\$165	323047	\$185	\$175	\$165
3"	EVWS/B	7.7	323027	150	140	130	323034	185	175	165	323041	185	175	165	323048	185	175	165
3-1/2"	EVW/B	6.9	323028	370	350	320	323035	410	390	370	323042	410	390	370	323049	410	390	370
4"	EVWAF/B	20	323029	420	400	380	323036	470	460	430	323043	470	460	430	323050	470	460	430
5"	LVW/B	14	323030	420	400	380	323037	470	460	430	323044	470	460	430	323051	470	460	430
6"	LVW6/B	25	323031	640	600	570	323038	680	660	620	323045	680	660	620	323052	680	660	620
6-1/2"	LVW65/B	30	323032	760	720	690	323039	800	770	740	323046	800	770	740	323053	800	770	740

OUTRIGGER WALL MOUNT SERIES

External Halyard Aluminum Flagpoles

ECOST & ECOS

3" Diameter Poles Only
45° Angle Only



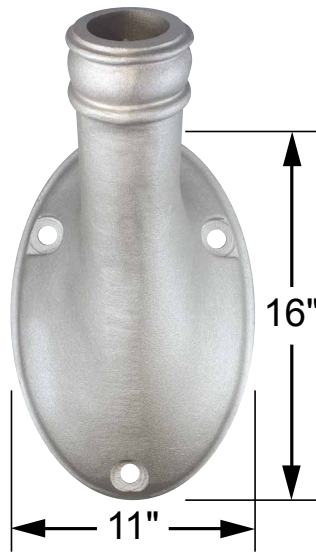
ECO

3-1/2" Diameter Poles Only
60° Angle Only

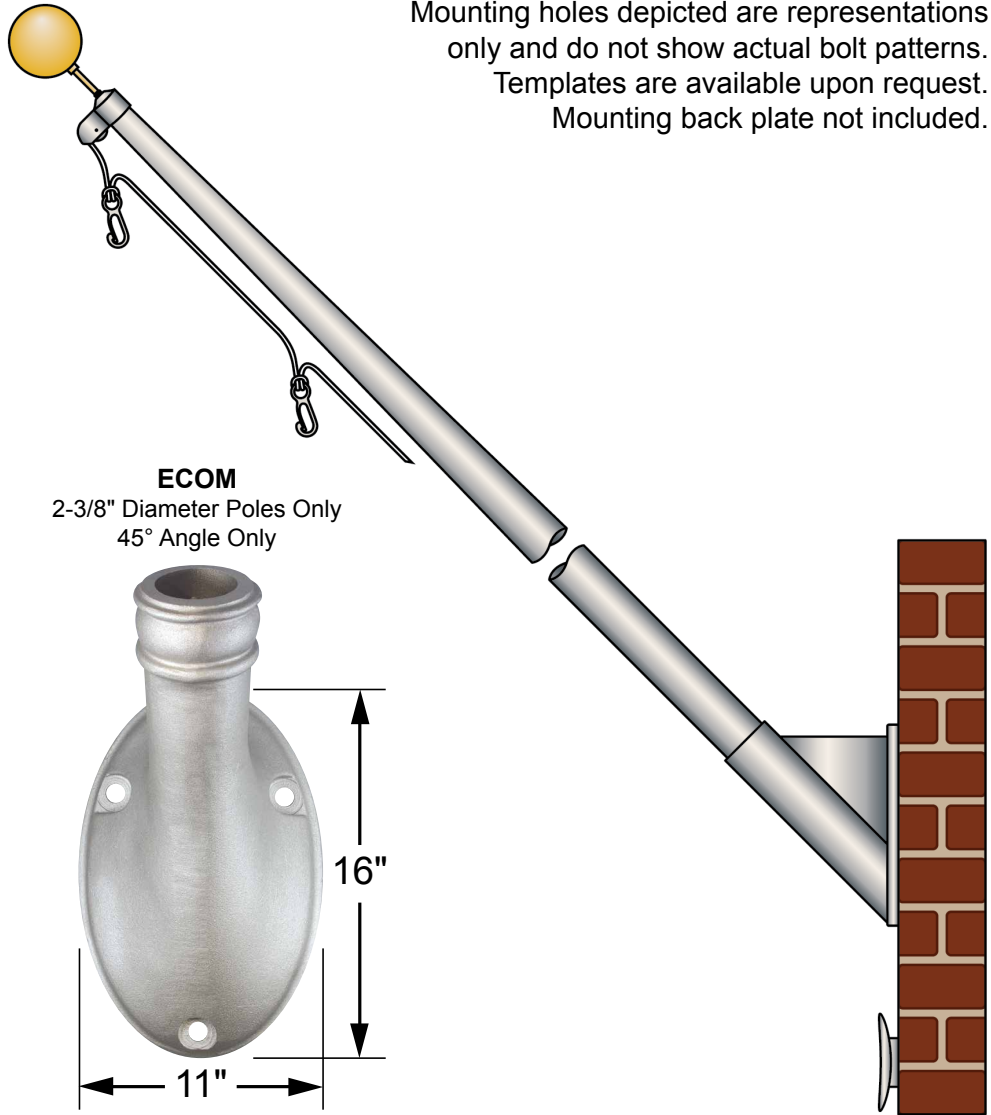


ECOM

2-3/8" Diameter Poles Only
45° Angle Only



Mounting holes depicted are representations only and do not show actual bolt patterns. Templates are available upon request. Mounting back plate not included.



All Models are Cone Tapered Except the ECOS Models which are Non-Tapering Poles

MODEL	OVERALL LENGTH	CONE TAPERED	NON-TAPERED	BUTT DIA.	TOP DIA.	WALL	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
ECOM8	8'	•		2-3/8"	1-7/8"	.140	3' x 5'	51 lbs.
ECOM10	10'	•		2-3/8"	1-7/8"	.140	3' x 5'	58 lbs.
ECOM12	12'	•		2-3/8"	1-7/8"	.140	3' x 5'	58 lbs.
ECOM14	14'	•		2-3/8"	1-7/8"	.140	3' x 5'	62 lbs.
ECOM16	16'	•		2-3/8"	1-7/8"	.140	3' x 5'	65 lbs.
ECOST8	8'	•		3"	1-7/8"	.125	3' x 5'	36 lbs.
ECOST10	10'	•		3"	1-7/8"	.125	3' x 5'	39 lbs.
ECOS8	8'		•	3"	3"	.125	3' x 5'	35 lbs.
ECOS10	10'		•	3"	3"	.125	3' x 5'	38 lbs.
ECO8	8'	•		3-1/2"	2-3/8"	.125	3' x 5'	54 lbs.
ECO10	10'	•		3-1/2"	2-3/8"	.125	3' x 5'	58 lbs.
ECO12	12'	•		3-1/2"	2-3/8"	.125	3' x 5'	62 lbs.
ECO16	16'	•		3-1/2"	2-3/8"	.125	3' x 5'	71 lbs.
ECO20**	20'	•		3-1/2"	2-3/8"	.125	4' x 6'	80 lbs.

**Suggested to use guy wires

STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Cast aluminum stationary truck
- Solid braided polypropylene halyard
- (2) nylon flag snaps
- Cast aluminum cleat with mounting screws
- Cast aluminum mounting brackets.
- If thru wall bolts are required, please advise length of bolt needed.

ECOM



OUTRIGGER WALL MOUNT SERIES

External Halyard Aluminum Flagpoles

Outrigger complete sets include bracket & mounting hardware.

SATIN COMPLETE SETS

MODEL	ITEM #	1-2	3-6	7+
ECOM8	323061	\$880	\$860	\$790
ECOM10	323062	900	870	790
ECOM12	323063	920	880	800
ECOM14	323064	940	890	850
ECOM16	323065	950	900	860

ECOST8	323066	510	490	470
ECOST10	323067	530	510	490

ECOS8	323068	500	480	450
ECOS10	323069	510	490	470

ECO8	324061	1,260	1,210	1,150
ECO10	324057	1,270	1,230	1,170
ECO12	323070	1,310	1,240	1,180
ECO16	323071	1,330	1,270	1,210
ECO20	323072	1,370	1,290	1,230

CLEAR ANODIZED COMPLETE SETS

MODEL	ITEM #	1-2	3-6	7+
ECOM8	323073	\$1,100	\$1,030	\$970
ECOM10	323074	1,110	1,040	980
ECOM12	323075	1,120	1,070	990
ECOM14	323076	1,130	1,090	1,000
ECOM16	323077	1,140	1,100	1,010

ECOST8	323078	660	630	600
ECOST10	323079	700	680	630

ECOS8	323080	570	540	520
ECOS10	323081	620	580	560

ECO8	324062	1,660	1,600	1,500
ECO10	324058	1,680	1,620	1,530
ECO12	323082	1,710	1,630	1,560
ECO16	323083	1,730	1,650	1,580
ECO20	323084	1,770	1,670	1,600

ECOST & ECOS



BRONZE ANODIZED COMPLETE SETS

MODEL	ITEM #	1-2	3-6	7+
ECOM8	323085	\$1,250	\$1,200	\$1,130
ECOM10	323086	1,270	1,220	1,150
ECOM12	323087	1,300	1,240	1,180
ECOM14	323088	1,330	1,270	1,210
ECOM16	323089	1,370	1,300	1,240

ECOST8	323090	680	640	600
ECOST10	323091	720	700	660

ECOS8	323092	600	570	530
ECOS10	323093	640	620	580

ECO8	324063	1,700	1,630	1,550
ECO10	324059	1,720	1,650	1,570
ECO12	323094	1,740	1,660	1,590
ECO16	323095	1,780	1,680	1,610
ECO20	323096	1,800	1,710	1,620

BLACK ANODIZED COMPLETE SETS

MODEL	ITEM #	1-2	3-6	7+
ECOM8	323097	\$1,260	\$1,210	\$1,150
ECOM10	323098	1,290	1,240	1,180
ECOM12	323099	1,310	1,260	1,200
ECOM14	323100	1,340	1,290	1,230
ECOM16	323101	1,380	1,310	1,260

ECOST8	323102	730	700	660
ECOST10	323103	740	720	700

ECOS8	323104	640	620	570
ECOS10	323105	680	640	600

ECO8	324064	1,740	1,660	1,580
ECO10	324060	1,760	1,680	1,600
ECO12	323106	1,770	1,680	1,590
ECO16	323107	1,790	1,700	1,610
ECO20	323108	1,810	1,720	1,630

ECO



Brackets only do not include mounting hardware. Mounting hardware priced separately on Page 185

SATIN BRACKET ONLY

MODEL	ITEM #	1-2	3-6	7+
ECOM/B	323157	\$490	\$470	\$450
ECOST/B	323158	290	280	250
ECO/B	323159	970	920	880

BRONZE BRACKET ONLY

MODEL	ITEM #	1-2	3-6	7+
ECOM/B	323163	\$670	\$620	\$590
ECOST/B	323164	320	310	300
ECO/B	323165	1,110	1,030	970

CLEAR BRACKET ONLY

MODEL	ITEM #	1-2	3-6	7+
ECOM/B	323160	\$670	\$620	\$590
ECOST/B	323161	320	310	300
ECO/B	323162	1,110	1,030	970

BLACK BRACKET ONLY

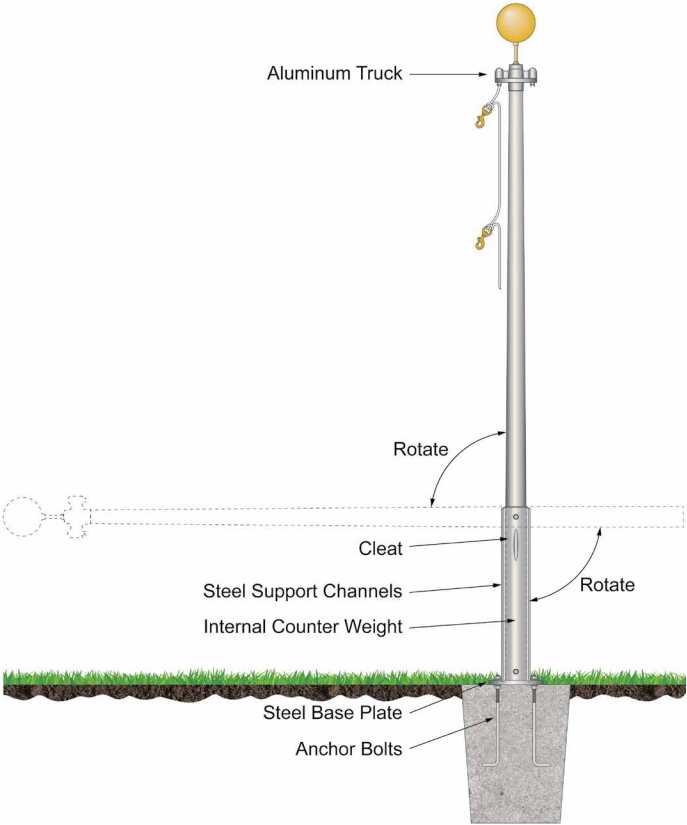
MODEL	ITEM #	1-2	3-6	7+
ECOM/B	323166	\$670	\$620	\$590
ECOST/B	323167	320	310	300
ECO/B	323168	1,110	1,030	970

BRACKETS ONLY SHIPPING WEIGHTS

MODEL	LBS.
ECOM Outrigger Bracket	26
ECOST Outrigger Bracket	8.4
ECO Outrigger Bracket	22

COUNTER-BALANCED TILTING FLAGPOLES

All of the 4"-10" diameter cone tapered aluminum flagpoles on pages 139 through 147 can be adapted with a counter-balanced tilt system. For ease of maintenance, the counter-balanced tilting flagpole has no equal. This unique design features a steel counter-weight inside the flagpole shaft to avoid disturbing the appearance of the tapered shaft. The base structure consists of two support channels welded to a base plate. The flagpole shaft is suspended by a pivot bolt and secured with a locking clip assembly. Anchor bolts are furnished for mounting to a concrete base. **Please allow 4 to 6 weeks after approval for shipping on satin poles.**

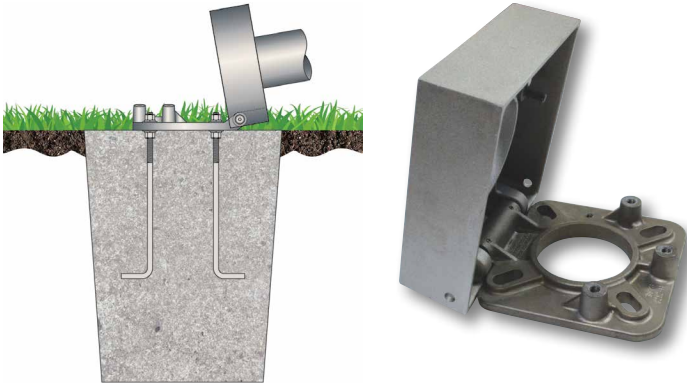


FOR COUNTER-BALANCED TILTING FLAGPOLES, ADD THE FOLLOWING PRICING TO ANY OF THE 4"-10" DIAMETER FLAGPOLES ON PAGES 139-147.

BUTT DIAMETER	PRICE
4"	\$1,630
5"	2,370
6"	3,060
7"	4,070
8"	5,560
10"	9,350

TILTING SHOE BASE FLAGPOLES

All of the cone tapered aluminum flagpoles on pages 139 through 153 with a 3", 4", 5" or 6" butt diameter can be supplied with a tilting shoe base. The tilting base is circumferentially welded to the base eliminating the need for a flash collar. The hinged portion of the base is held in place by (3) stainless steel, Allen head bolts and pivots on a solid aluminum pivot rod. Anchor bolts are furnished for mounting to a concrete base.



FOR TILTING SHOE BASE FLAGPOLES, ADD THE FOLLOWING PRICING TO ANY OF THE FLAGPOLES ON PAGES 139-153.

BUTT DIA.	1-2	3-6	7+
3"	\$450	\$430	\$400
4"	550	510	490
5"	570	540	500
6"	570	540	500

SHOE BASE FLAGPOLES

All of the cone tapered aluminum flagpoles on pages 139 through 153 can be supplied with a shoe base mounting. The aluminum base is circumferentially welded to the flagpole shaft. A spun aluminum flash collar is supplied as standard unless otherwise specified. Anchor bolts are furnished for mounting to a concrete base.



FOR SHOE BASE FLAGPOLES, ADD THE FOLLOWING PRICING TO ANY OF THE FLAGPOLES ON PAGES 139-153.

BUTT DIA.	1-2	3-6	7+
2-3/8"	\$270	\$260	\$250
3"	280	270	250
4"	300	290	280
5"	330	310	300
6"	350	330	310
7"	360	350	330
8"	390	380	360
10"*	1,730	1,670	1,580
12"*	Call for pricing.		

*In addition to a shoe base, a mandrel is inserted into pole for added structural support.

GROUND SET DIMINISHING SECTION STEEL FLAGPOLES

Diminishing Section Steel Flagpoles are fabricated from all new seamless steel tubing.
Diminishing sections, welded together, form a tapered appearance.
Sizes below are most commonly used. We can also fabricate other sizes to any specifications.

EXTERNAL HALYARD STANDARD ACCESSORIES

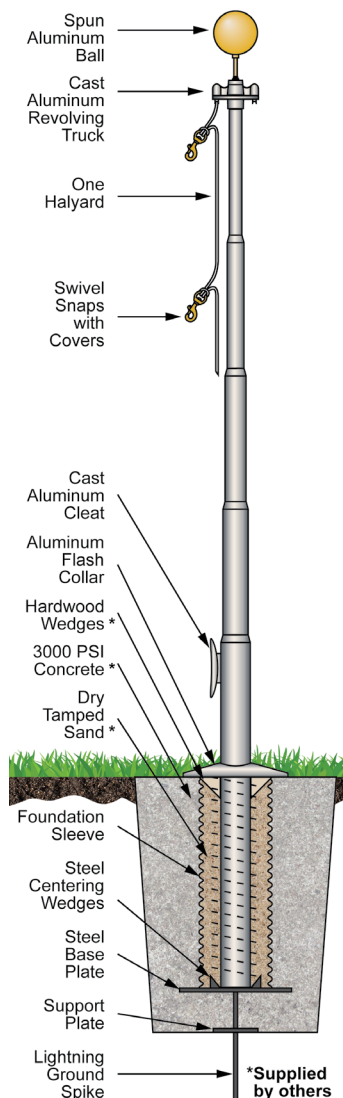
- **Ball:** 14 Ga. Aluminum with flash seam. Gold anodized is furnished unless otherwise specified or choose from Clear Anodized (Silver) or finished to match shaft.
- **Truck:** External halyard heavy duty, non-fouling, revolving with stainless steel sealed lubricant ball bearing assemblies.
- **Halyard:** One waterproof, mildew and U.V.-resistant nylon halyard with wire center. Choose: White, Silver, Black or Brown to match shaft.
- **Cleat:** Heavy-duty cast aluminum finished to match shaft. Secured with two stainless steel, flat-head, tamper-proof machine screws.
- **Collar:** Ornamental base or flash collar of spun aluminum with a diameter of at least 1" larger than the foundation sleeve.
- **Foundation Sleeve:** 16 Ga. Corrugated steel tubing with lightning spike, base plate, support plate and centering wedges.

INTERNAL HALYARD STANDARD ACCESSORIES

- **Ball (optional):** 14 Ga. Aluminum with flash seam. Gold anodized is furnished unless otherwise specified or choose from Clear Anodized (Silver) or finished to match shaft.
- **Truck:** Internal halyard heavy duty, revolving with enclosed stainless steel bearings and raceway.
- **Halyard:** One stainless steel aircraft cable with proper size flag arrangement, shock spring, counterweight, beaded retainer ring and flag snaps.
- **Winch:** Mounted inside shaft and operable only by a removable crank handle. Permits rapid raising and lowering of flag with little effort.
- **Collar:** Ornamental base or flash collar of spun aluminum with a diameter of at least 1" larger than the foundation sleeve.
- **Foundation Sleeve:** 16 Ga. Corrugated steel tubing with lightning spike, base plate, support plate and centering wedges.

Recommendation: flagpoles above 100' exposed height should be equipped with an internal halyard to aid in raising and lowering larger flags.

EXTERNAL HALYARD



Finish: All of our steel flagpoles are mechanically cleaned and chemically etched to provide a smooth surface. Two coats of two-part polyurethane primer are applied before application of two polyurethane finish coats. Specify custom or one of these standard colors: Aluminum (silver), Light Bronze, Medium Bronze, Dark Bronze, Black or White. Trucks are finished to match flagpole shaft.

EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	FIELD WELDS	UNFLAGGED MAX. WIND SPEED	FLAGGED MAX. WIND SPEED	MAXIMUM SUGGESTED FLAG SIZE	SHIPPING WEIGHT
90'	99'	5	10.75"	4.5"	.375	2	100+ MPH	78 MPH	25' x 40'	2700 lbs.
100'	110'	5	12.75"	5.563"	.375	2	100+ MPH	88 MPH	30' x 50'	3900 lbs.
110'	121'	5	14"	6.625"	.375	2	100+ MPH	87 MPH	30' x 50'	4100 lbs.
120'	132'	6	14"	6.625"	.375	3	100+ MPH	85 MPH	30' x 50'	4900 lbs.
130'	143'	6	18"	6.625"	.375	3	100+ MPH	88 MPH	30' x 50'	6400 lbs.

EXTERNAL HALYARD PRICING

MODEL	1-2	3-6	7+
EST90	Call for pricing.		
EST100			
EST110			
EST120			
EST130			

INTERNAL HALYARD PRICING

MODEL	1-2	3-6	7+
EST90IH	Call for pricing.		
EST100IH			
EST110IH			
EST120IH			
EST130IH			

EXTERNAL HALYARD ITEM NUMBERS

MODEL	SILVER ITEM #	LT. BRONZE ITEM #	MED. BRONZE ITEM #	DK. BRONZE ITEM #	BLACK ITEM #	WHITE ITEM #
EST90	322638	322663	322643	322648	322653	322658
EST100	322639	322664	322644	322649	322654	322659
EST110	322640	322665	322645	322650	322655	322660
EST120	322641	322666	322646	322651	322656	322661
EST130	322642	322667	322647	322652	322657	322662

INTERNAL HALYARD ITEM NUMBERS

MODEL	SILVER ITEM #	LT. BRONZE ITEM #	MED. BRONZE ITEM #	DK. BRONZE ITEM #	BLACK ITEM #	WHITE ITEM #
EST90IH	322668	322693	322673	322678	322683	322688
EST100IH	322669	322694	322674	322679	322684	322689
EST110IH	322670	322695	322675	322680	322685	322690
EST120IH	322671	322696	322676	322681	322686	322691
EST130IH	322672	322697	322677	322682	322687	322692

OUTDOOR FLAGPOLES

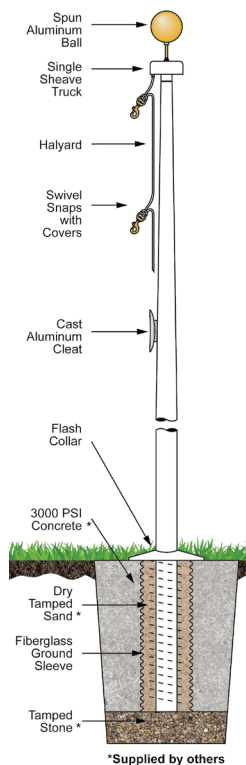
FIBERGLASS SERIES

Our fiberglass flagpoles are manufactured to duplicate the classic Greek Entasis taper design. All poles have an ultra-hard, gel coat finish that stands up to the harshest of weather conditions. Our rugged gel coat finish is especially well suited near salt water or in other extreme weather conditions - our poles will not corrode, pit or rust. Since fiberglass is a non-conductor, no grounding is required; thus installation is easy and inexpensive. Our standard flagpoles have a Brilliant White pre-cast gel coat finish. Other colors are available upon request; please contact us for a prompt quotation. Our innovative molding process produces a flagpole shaft with a tensile strength of 50,000 pounds per square inch. Inside a steel clam shell mold, seven layers of reinforced fiberglass roving, mixed with a polyester resin is aligned in a vertical plane for maximum strength and placed on a thick layer of gel-coat. An inflatable bladder is laid the entire length of the mold. The mold is closed, the bladder inflated and the resulting pole is created by subtle pressure and slow curing during an exothermic chemical reaction.

MODEL	EXPOSED HEIGHT	OVERALL LENGTH	# OF SECTIONS	BUTT DIA.	TOP DIA.	WALL	UNFLAGGED MAX. WIND SPEED	SUGGESTED FLAG SIZE	SHIPPING WEIGHT
FGR15	15'	16-1/2'	1	4"	2-1/2"	.140	160 MPH	2' x 3'	25 lbs.
FGR20	20'	22'	1	4-1/4"	2-1/2"	.140	140 MPH	3' x 5'	40 lbs.
FGR25	25'	27'	1	4-1/4"	2-1/2"	.140	120 MPH	4' x 6'	45 lbs.
FG25	25'	27'	1	6	3"	.175	130 MPH	4' x 6'	107 lbs.
FG30	30'	33'	1	6-3/4"	3"	.175	130 MPH	5' x 8'	131 lbs.
FG35	35'	39'	1	7"	3"	.200	125 MPH	5' x 8'	172 lbs.
FG40	40'	44'	2**	7"	3"	.200	120 MPH	8' x 12'	194 lbs.
FG50	50'	50'	2**	10"	4-1/2"	.200	120 MPH	10' x 15'	559 lbs.
FG60	60'	60'	2**	10-1/2"	4-1/2"	.200	120 MPH	15' x 25'	710 lbs.

** Flagpoles shipped in two sections with self-aligning joint.

EXTERNAL HALYARD FIBERGLASS FLAGPOLES

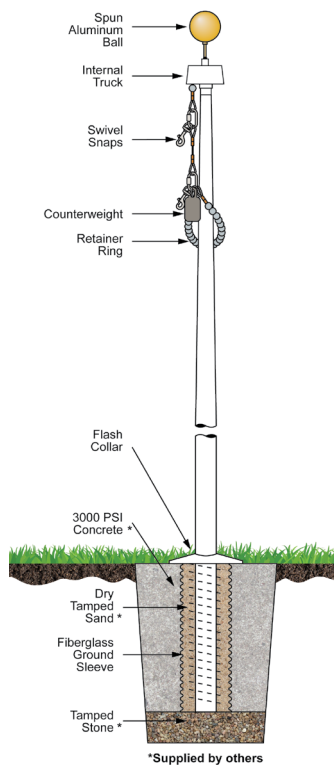


STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Stationary truck on FGR poles, Revolving truck on FG poles
- Solid braided polypropylene halyard
- Swivel flag snaps with vinyl covers on all models except FGR15, FGR20 & FGR25 which are supplied with nylon snaps
- A cast aluminum cleat with mounting screws is supplied on all models except the FGR15 which is supplied with a cast nylon cleat
- A flash collar is supplied on all models except the FGR15, FGR20 and FGR25; a flash collar is available for these poles as an option (for collar add \$34.00)
- Fiberglass foundation sleeve

*Supplied by others

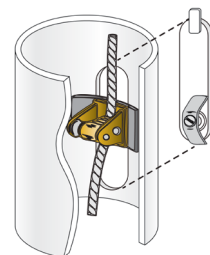
INTERNAL HALYARD FIBERGLASS FLAGPOLES



STANDARD ACCESSORIES

- Gold anodized aluminum ball ornament
- Stationary truck on poles 25' – 40', Revolving truck on poles 50' and above
- Swivel flag snaps with vinyl covers on all models
- Flash collar
- Fiberglass foundation sleeve

Internal Cam Cleat & Handhole Door



*Supplied by others

WHITE

MODEL	ITEM #	1-2	3-6	7+
FGR15	323172	\$620	\$570	\$550
FGR20	323173	860	810	780
FGR25	323174	1,070	1,030	980
FG25	323175	Call for pricing and availability.		
FG30	323176			
FG35	323177			
FG40	323178			
FG50	323179			
FG60	323180			

WHITE

MODEL	ITEM #	1-2	3-6	7+
FG25IH	323256	Call for pricing and availability.		
FG30IH	323257			
FG35IH	323258			
FG40IH	323259			
FG50IH	—			
FG60IH	—			

Contact us for pricing on Fiberglass: Custom Colors, Nautical Flagpoles, Vertical Wall Mount Flagpoles and Outrigger Wall Mount Flagpoles.