

FLAGPOLE ORNAMENTS

ALUMINUM BALL ORNAMENTS



GOLD



CLEAR



SATIN

MODEL	DIA.	SPINDLE THREADING	LBS.	GOLD ANODIZED			CLEAR ANODIZED			SATIN		
				ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
SB102	2"	1/2"-13NC	.16	330089	\$15	\$13	—	—	—	—	—	—
SB103	3"	1/2"-13NC	.30	330000	24	22	330007	30	29	330082	28	26
SB104	4"	1/2"-13NC	.45	330001	29	27	330008	40	37	330083	35	33
SB105	5"	1/2"-13NC	.60	330002	34	31	330009	45	42	330084	38	35
SB106	6"	1/2"-13NC	.80	330003	43	39	330010	64	58	330085	45	41
SB108	8"	1/2"-13NC	1.4	330004	78	72	330011	98	89	330086	80	76
SB110	10"	5/8"-11NC	2.2	330005	127	114	330012	131	121	330087	105	100
SB112	12"	5/8"-11NC	3.1	330006	149	136	330013	163	147	330088	124	116

MODEL	DIA.	SPINDLE THREADING	LBS.	BRONZE #313			BLACK			WHITE		
				ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
SB103	3"	1/2"-13NC	.30	330014	\$31	\$30	330021	\$31	\$30	330028	\$31	\$30
SB104	4"	1/2"-13NC	.45	330015	41	37	330022	41	37	330029	41	37
SB105	5"	1/2"-13NC	.60	330016	47	44	330023	47	44	330030	47	44
SB106	6"	1/2"-13NC	.80	330017	64	58	330024	64	58	330031	64	58
SB108	8"	1/2"-13NC	1.4	330018	100	91	330025	100	91	330032	100	91
SB110	10"	5/8"-11NC	2.2	330019	149	136	330026	149	136	330033	149	136
SB112	12"	5/8"-11NC	3.1	330020	170	155	330027	170	155	330034	170	155

Aluminum Ball Ornaments can be mixed to achieve the higher quantity pricing.

STAINLESS STEEL BALL ORNAMENTS



SATIN



MIRROR

MODEL	DIA.	SPINDLE THREADING	LBS.	SATIN FINISH			MIRROR FINISH		
				ITEM #	1-5	6+	ITEM #	1-5	6+
SS104	4"	1/2"-13NC	1.5	330035	\$183	\$167	330041	\$233	\$209
SS105	5"	1/2"-13NC	2.0	330036	225	205	330042	275	246
SS106	6"	1/2"-13NC	2.5	330037	233	211	330043	290	255
SS108	8"	1/2"-13NC	4.1	330038	292	265	330044	347	314
SS110	10"	5/8"-11NC	6.1	330039	406	365	330045	458	411
SS112	12"	5/8"-11NC	7.8	330040	499	452	330046	537	491

Stainless Steel Ball Ornaments can be mixed to achieve the higher quantity pricing.



GOLD LEAF COPPER BALL ORNAMENTS



COPPER BALL ORNAMENTS

With Clear Lacquer Finish

MODEL	ITEM #	DIA.	SPINDLE THREADING	1-5	6+	LBS.
GL104	330047	4"	1/2"-13NC	\$238	\$213	1.5
GL105	330048	5"	1/2"-13NC	278	264	2.0
GL106	330049	6"	1/2"-13NC	341	326	2.6
GL108	330050	8"	5/8"-11NC	556	528	4.2
GL110	330051	10"	5/8"-11NC	925	886	7.7
GL112	330052	12"	5/8"-11NC	1,362	1,296	8.1

Gold Leaf Copper Ball Ornaments can be mixed to achieve higher quantity pricing.

MODEL	ITEM #	DIA.	SPINDLE THREADING	1-5	6+	LBS.
CB104	330091	4"	1/2"-13NC	\$150	\$142	1.5
CB105	330092	5"	1/2"-13NC	188	179	2.0
CB106	330093	6"	1/2"-13NC	224	213	2.5
CB108	330094	8"	5/8"-11NC	295	282	4.1
CB110	330095	10"	5/8"-11NC	435	415	4.9
CB112	330096	12"	5/8"-11NC	732	696	6.5

ALUMINUM FLYING EAGLES



E-11 GOLD



E-16 GOLD



E-24 GOLD



E-11 NATURAL



E-16 NATURAL



E-24 NATURAL

MODEL	WING SPAN	HEIGHT	SPINDLE THREADING	LBS.	GOLD			NATURAL		
					ITEM #	1-5	6+	ITEM #	1-5	6+
E-11	11-1/4"	12"	1/2"-13NC	2.7	330055	\$107	\$102	330058	\$136	\$124
E-16	15"	18"	1/2"-13NC	5.4	330056	134	126	330059	186	169
E-24	24"	10"	1/2"-13NC	6.4	330057	236	215	330060	260	234

Aluminum Flying Eagles can be mixed to achieve the higher quantity pricing.

GOLD ANODIZED ALUMINUM GLOBE FOR E-16 EAGLE

Slips Over The Spindle of the E-16 Eagle



ITEM #	DIAMETER	PRICE	LBS.
330090	3"	\$16.10	.07

METAL EAGLE ORNAMENTS

Gold Powder Coated Painted Finish



MODEL	ITEM #	WING SPAN	HT.	SPINDLE THREADING	PRICE	LBS.
E-8PC	050538	8-1/4"	7"	1/2"-13NC	\$45.50	1.4
E-9PC	330098	9-1/4"	7-1/4"	1/2"-13NC	66.00	2.0
E-12PC	330097	12"	8-1/2"	1/2"-13NC	70.00	3.3

Metal Eagle Ornaments can be mixed to achieve the higher quantity pricing.

PLAIN ALUMINUM CROSSES

Painted Gold



MODEL	ITEM #	CROSS HT.	CROSS WIDTH	SPINDLE THREADING	1-5	6+	LBS.
PC8	330078	8-1/2"	4-1/4"	1/2"-13NC	\$98	\$91	1.3
PC12	330079	13"	6-3/4"	1/2"-13NC	136	126	1.7

Plain Aluminum Crosses can be mixed to achieve the higher quantity pricing.

ALUMINUM BOTONÉE CROSSES

Painted Gold



MODEL	ITEM #	CROSS HT.	CROSS WIDTH	SPINDLE THREADING	1-5	6+	LBS.
BC12	330081	12"	12"	5/8"-11NC	\$163	\$147	6.8

FLAGPOLE TRUCKS & ACCESSORIES



For External Halyard Poles • Cap Style • Stationary • Single Pulley

ST-1 SERIES

- **Construction:** cast aluminum
- **Pulley:** 1" outside diameter cast nylon on 3/16" stainless steel axle
- **Max halyard diameter:** 1/4"
- **Truck:** secured by 1 stainless steel set screw (size 1/4"-20NC)
- **Ornaments:** accepts spindle threading of 1/2"-13NC.* Secured by 1 stainless steel pan head screw (size 10-32)

* Can be supplied with other threading sizes if desired

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
ST-1-38	1-3/8"	1.0	340000	\$26.00	\$24.00	340005	\$29.50	\$27.00	340010	\$29.50	\$27.00	340015	\$29.50	\$27.00
ST-1-12	1-1/2"	1.0	340001	26.00	24.00	340006	29.50	27.00	340011	29.50	27.00	340016	29.50	27.00
ST-1-34	1-3/4"	.90	340002	26.00	24.00	340007	29.50	27.00	340012	29.50	27.00	340017	29.50	27.00
ST-1-16	1-15/16"	.80	340003	26.00	24.00	340008	29.50	27.00	340013	29.50	27.00	340018	29.50	27.00
ST-1-20	2"	.80	340004	26.00	24.00	340009	29.50	27.00	340014	29.50	27.00	340019	29.50	27.00



For External Halyard Poles • Cap Style • Stationary • Double Pulley

ST-32 SERIES

- **Construction:** cast aluminum
- **Pulleys:** 1-1/2" outside diameter cast nylon on 1/4" stainless steel axles
- **Max halyard diameter:** 5/16"
- **Truck:** secured by 3 stainless steel set screws (size 5/16"-18NC)
- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)

* Can be supplied with other threading sizes if desired

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
ST-3	1-7/8"	1.9	340040	\$53	\$48	340042	\$57	\$53	340044	\$57	\$53	340046	\$57	\$53
ST-2	2-3/8"	1.7	340041	53	48	340043	57	53	340045	57	53	340047	57	53



For External Halyard Poles • Cap Style • Stationary • Single Pulley

OT SERIES

- **Construction:** cast aluminum
- **Pulley:** cast nylon on 1/4" stainless steel axle (1-1/2" outside diameter on OTH, OT1, OT25, OT35; 2" on OT2, OT3, OT325)
- **Max halyard diameter:** 5/16"
- **Truck:** secured by stainless steel set screws (one 1/4"-20NC on OTH; three 5/16"-18NC on OT1, OT2, OT25, OT3, OT325, OT35)
- **Ornaments:** accepts spindle threading of 1/2"-13NC.* Secured by 1 stainless steel pan head screw (size 10-32)

* Can be supplied with other threading sizes if desired

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
OTH	2"	.55	340056	\$24.00	\$22.00	340062	\$27.00	\$25.00	340068	\$27.00	\$25.00	340074	\$27.00	\$25.00
OT1	2-3/8"	.95	340057	33.50	27.00	340063	37.00	33.00	340069	37.00	33.00	340075	37.00	33.00
OT25	2-1/2"	.95	340058	35.00	29.50	340064	41.00	35.00	340070	41.00	35.00	340076	41.00	35.00
OT2	2-3/4"	1.5	340059	37.00	32.50	340065	42.00	37.00	340071	42.00	37.00	340077	42.00	37.00
OT3	3"	1.3	340060	41.00	35.00	340066	44.00	41.00	340072	44.00	41.00	340078	44.00	41.00
OT325	3-1/4"	1.2	340343	42.00	36.00	340344	47.00	44.00	340345	47.00	44.00	340346	47.00	44.00
OT35	3-1/2"	1.8	340061	45.00	42.00	340067	48.00	45.00	340073	48.00	45.00	340079	48.00	45.00



For External Halyard Poles • Cap Style • Revolving • Single Pulley

RTC-1 SERIES

- **Construction:** cast aluminum
- **Pulley:** 1-1/2" outside diameter cast nylon on 1/4" stainless steel axle
- **Max halyard diameter:** 5/16"
- **Truck:** secured by 3 stainless steel set screws (1/4"-20NC on RTC-1-2, RTC-1-138; 5/16"-18NC on RTC-1-238)
- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)
- **Movement:** utilizes self-lubricating ball bearing assemblies for ease of rotation, product life and strength

* Can be supplied with other threading sizes if desired

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
RTC-1-138	1-3/8"	1.8	340351	\$91	\$80	340308	\$100	\$90	340309	\$100	\$90	340352	\$100	\$90
RTC-1-2	2"	1.6	340104	91	80	340106	100	90	340108	100	90	340110	100	90
RTC-1-238	2-3/8"	1.9	340105	91	80	340107	100	90	340109	100	90	340111	100	90

All trucks on pages 164 thru 167 except the fiberglass trucks can be mixed to achieve the higher quantity pricing.

If medium bronze #312, light bronze #311 or a custom color is desired please specify when ordering.



RTC-2 SERIES

Same description as our RTC-1 Series on page 164, except:

- **Pulleys:** 1-15/16" outside diameter cast nylon on 1/4" stainless steel axles

For External Halyard Poles • Cap Style • Revolving • Double Pulley

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
RTC-2-138	1-3/8"	2.5	340353	\$91	\$80	340310	\$100	\$90	340311	\$100	\$90	340354	\$100	\$90
RTC-2-2	2"	2.3	340120	91	80	340122	100	90	340124	100	90	340126	100	90
RTC-2-238	2-3/8"	2.6	340121	91	80	340123	100	90	340125	100	90	340127	100	90



For External Halyard Poles • Threaded • Revolving • Single Pulley

RTS-1 SERIES

- **Construction:** cast aluminum
- **Pulley:** 1-1/2" outside diameter cast nylon on 1/4" stainless steel axle
- **Max halyard diameter:** 5/16"
- **Truck Spindle:** 1-1/4" NPT threading
- **Flagpole:** For up to 3-1/2" outside top diameter pole w/ female fitting installed

- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)
- **Movement:** utilizes self-lubricating ball bearing assemblies for ease of rotation, product life and strength

* Can be supplied with other threading sizes if desired

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
RTS-1-125	3-1/2"	1.9	340136	\$74	\$67	340137	\$80	\$74	340138	\$80	\$74	340139	\$80	\$74



For External Halyard Poles • Threaded • Revolving • Single Pulley

RTA-1 SERIES

- **Construction:** cast aluminum
- **Pulley:** 1-1/2" outside diameter machined aluminum on 1/4" stainless steel axle
- **Max halyard diameter:** 5/16"
- **Truck Spindle:** 1-1/4" NPT threading
- **Flagpole:** For up to 3-1/2" outside top diameter pole w/ female fitting installed

- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)
- **Movement:** utilizes self-lubricating ball bearing assemblies for ease of rotation, product life and strength

* Can be supplied with other threading sizes if desired

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
RTA-1-125	3-1/2"	2.0	340360	\$83	\$76	340361	\$89	\$83	340362	\$89	\$83	340363	\$89	\$83



RTS-2 SERIES

Same description as our RTS-1 Series above, except:

- **Pulleys:** 1-15/16" outside diameter cast nylon on 1/4" stainless steel axles

For External Halyard Poles • Threaded • Revolving • Double Pulley

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
RTS-2-125	3-1/2"	2.6	340144	\$80	\$74	340145	\$85	\$77	340146	\$85	\$77	340147	\$85	\$77



For External Halyard Poles • Threaded • Revolving • Single Pulley

HDT-1 SERIES

- **Construction:** cast aluminum
- **Pulley:** 2-1/2" outside diameter cast aluminum on 1/2" stainless steel axle
- **Max halyard diameter:** 3/8"
- **Truck Spindle:** 1-1/4" NPT threading
- **Flagpole:** up to 5-1/2" outside top diameter pole w/ female fitting installed †

- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)
- **Movement:** utilizes enclosed stainless steel bearings and raceway

* Can be supplied with other threading sizes if desired

† The revolving arm can be modified for larger pole top diameters; contact us for a prompt quotation.

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
HDT-1	5-1/2"	4.8	340335	\$171	\$155	340336	\$186	\$167	340337	\$186	\$167	340338	\$186	\$167

All trucks on pages 164 thru 167 except the fiberglass trucks can be mixed to achieve the higher quantity pricing.

If medium bronze #312, light bronze #311 or a custom color is desired please specify when ordering.

FLAGPOLE TRUCKS & ACCESSORIES



HDT-2 SERIES

Same description as our HDT-1 Series on page 165, except:

- **Pulleys:** 3-3/4" outside diameter cast aluminum on 1/2" stainless steel axles

For External Halyard Poles • Threaded • Revolving • Double Pulley

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
HDT-2	5-1/2"	5.1	340152	\$195	\$177	340153	\$211	\$191	340154	\$211	\$191	340155	\$211	\$191



EXTRA HEAVY-DUTY SERIES

- **Construction:** cast aluminum
- **Pulleys:** 3-7/8" outside diameter cast aluminum on 1/2" stainless steel axles
- **Max Halyard Diameter:** 3/8"
- **Truck Spindle:** 1-1/4" NPT threading
- **Flagpole:** For up to 12-3/4" outside top diameter pole w/ female fitting installed

- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)
- **Movement:** utilizes stainless steel sealed lubricant ball bearing assemblies for ease of rotation, product life and strength

* Can be supplied with other threading sizes if desired

For External Halyard Poles • Threaded • Revolving • Double Pulley

MODEL	SPINDLE MATERIAL	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
XHDT	ALUMINUM	9.7	340160	\$720	\$650	340162	\$760	\$685	340164	\$760	\$685	340166	\$760	\$685
XHDT-SS	STAINLESS STEEL	12	340161	1,380	1,240	340163	1,405	1,265	340165	1,405	1,265	340167	1,405	1,265



For Rope Style Internal Halyard Poles
Cap Style • Stationary • Single Pulley

IH-1 SERIES

- **Construction:** cast aluminum
- **Internal Pulley:** 1-1/2" outside diameter cast nylon on 1/4" stainless steel axle. Pulley assembly affixed to inside of truck by 5/16"-18NC stainless steel set screw
- **External pulley:** cast nylon on 1/4" stainless steel axle (2" outside diameter on IH-1-3; 1-1/2" on IH-1-35)
- **Max halyard diameter:** 5/16"

- **Truck:** secured by 3 stainless steel set screws (size 5/16"-18NC)
- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel pan head screw (size 10-32)

* Can be supplied with other threading sizes if desired

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
IH-1-3	3"	1.6	340178	\$61	\$56	340180	\$70	\$61	340182	\$70	\$61	340184	\$70	\$61
IH-1-35	3-1/2"	2.3	340179	81	75	340181	94	83	340183	94	83	340185	94	83



For Cable Style Internal Halyard Poles
Threaded • Revolving • Single Pulley

IH-2 SERIES

- **Construction:** cast aluminum
- **Cable Bushing:** IHT-3 has a bronze fitting; all other sizes supplied with a stainless steel bushing at the cable exit point
- **Truck Spindle:** 1-1/4" NPT threading
- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel

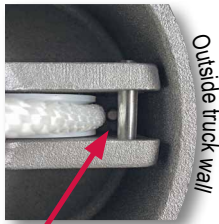
- set screw (1/4"-20NC)
- **Movement:** IHT-3 utilizes stainless steel sealed lubricant bearing assemblies; all other sizes utilize enclosed stainless steel bearings and raceway.

* Can be supplied with other threading sizes if desired

MODEL	TRUCK BASE DIA.	TRUCK HT.	MAX. POLE TOP DIA.	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
					ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
IHT-VR	5"	4-1/2"	3"	4.3	340194	\$215	\$196	340198	\$237	\$215	340206	\$237	\$215	340202	\$237	\$215
IHT-1	6-1/2"	6-1/2"	4"	6.4	340195	323	291	340199	351	317	340207	351	317	340203	351	317
IHT-2	7-1/2"	7-1/4"	5"	8.7	340196	389	350	340200	424	381	340208	424	381	340204	424	381
IHT-3	10-1/2"	8-1/2"	7-1/2"	13.6	340197	784	706	340201	869	781	340209	869	781	340205	869	781

All trucks on pages 164 thru 167 except the fiberglass trucks can be mixed to achieve the higher quantity pricing.

If medium bronze #312, light bronze #311 or a custom color is desired please specify when ordering.



Recommended:
Thread halyard to inside of
halyard pin stop as shown.



IHT-VS SERIES

- **Construction:** cast aluminum
- **Internal Pulley:** 2" outside diameter cast nylon on 1/4" stainless steel axle. Pulley assembly affixed to inside of truck
- **Max halyard diameter:** 5/16"
- **Truck Spindle:** 1-1/4" NPT threading

- **Flagpole:** For up to 3-1/2" outside top diameter pole w/ female fitting installed
- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)

* Can be supplied with other threading sizes if desired

For Rope Style Internal Halyard Poles • Threaded • Stationary • Single Pulley

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
IHT-VS	3-1/2"	2.4	340312	\$85	\$77	340313	\$95	\$85	340314	\$95	\$85	340315	\$95	\$85



For External Halyard Poles • Threaded • Revolving • Double Pulley

150 SERIES

- **Construction:** cast aluminum
- **Pulleys:** 1-15/16" outside diameter cast nylon on 3/8" stainless steel axles
- **Max halyard diameter:** 5/16"
- **Truck Spindle:** 1-1/2" NPT threading
- **Flagpole:** For up to 4" outside top diameter pole w/ female fitting installed

- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)
- **Movement:** utilizes 26 stainless steel ball bearings on cast races for rotation

* Can be supplied with other threading sizes if desired

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
RTS-2-150	4"	2.6	340170	\$135	\$123	340171	\$154	\$135	340172	\$154	\$135	340173	\$154	\$135



For External Halyard Poles • Threaded • Revolving • Double Pulley

BA SERIES

- **Construction:** cast bronze alloy
- **Pulleys:** 1-15/16" outside diameter cast nylon on 1/4" stainless steel axles
- **Max halyard diameter:** 5/16"
- **Truck Spindle:** 1-1/4" NPT threading
- **Flagpole:** For up to 4" outside top diameter pole w/ female fitting installed

- **Ornaments:** accepts spindle threading of 1/2"-13NC*. Secured by 1 stainless steel set screw (1/4"-20NC)
- **Movement:** utilizes stainless steel sealed lubricant ball bearing assemblies for ease of rotation, product life and strength

* Can be supplied with other threading sizes if desired

MODEL	ITEM #	FITS POLE DIA.	1-5	6+	LBS.
RTSB	340168	4"	\$373	\$345	8.0



For External Halyard Poles • Slip Fit • Stationary • Single Pulley

FIBERGLASS-1 SERIES

- **Construction:** molded fiberglass
- **Pulley:** 3/4" outside diameter cast nylon on a 3/16" stainless steel axle
- **Max halyard diameter:** 1/4"
- **Truck Stem:** designed to slip into a 2" inside diameter pole top. The truck is

held in place by drilling thru the pole and securing the truck to the pole with an appropriate size bolt or screw (not included)

- **Ornaments:** accepts spindle threading of 1/2"-13NC.

COLOR	ITEM #	FITS POLE DIA.	1-5	6+	LBS.
WHITE	340226	2" INSIDE DIA.	\$105	\$94	1.4



For External Halyard Poles • Threaded • Stationary • Double Pulley

FIBERGLASS-2 SERIES

- **Construction:** molded fiberglass
- **Pulleys:** 1-1/2" outside diameter cast nylon on 1/4" stainless steel axles
- **Max halyard diameter:** 5/16"
- **Truck Spindle (Aluminum):** 1-1/4" NPT threading

- **Flagpole:** For up to 3-1/2" outside top diameter pole w/ female fitting installed
- **Ornaments:** accepts spindle threading of 1/2"-13NC.

COLOR	ITEM #	FITS POLE DIA.	1-5	6+	LBS.
WHITE	340228	3-1/2"	\$105	\$94	2.5



For Internal Halyard Poles • Threaded • Stationary • Single Pulley

FIBERGLASS-IH SERIES

- **Construction:** molded fiberglass
- **Pulley:** 1-1/2" outside diameter cast nylon on a 1/4" stainless steel axle
- **Max halyard diameter:** 5/16"
- **Truck Spindle (Aluminum):** 1-1/4" NPT threading. Hollow spindle allows the

halyard to feed from inside the flagpole

- **Flagpole:** For up to 3-1/4" outside top diameter pole w/ female fitting installed
- **Ornaments:** accepts spindle threading of 1/2"-13NC.

COLOR	ITEM #	FITS POLE DIA.	1-5	6+	LBS.
WHITE	340232	3-1/4"	\$105	\$94	2.8

All trucks on pages 164 thru 167 except the fiberglass trucks can be mixed to achieve the higher quantity pricing.

If medium bronze #312, light bronze #311 or a custom color is desired please specify when ordering.

FLAGPOLE TRUCKS & ACCESSORIES



POLE TOP ADAPTERS

These adapters are used when mounting a truck that has a spindle threading of 1-1/4" NPT and the pole does not have a threaded top plug installed. The adapter is tapped 1-1/4" NPT and is designed to slip over the top of the pole and is secured by three 1/4"-20NC stainless steel set screws. Please specify color when ordering. If not specified, silver will be supplied. Pole Top Adapters can be mixed to achieve the higher quantity pricing.

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
PTA-238	2-3/8"	.65	340238	\$54	\$49	340247	\$59	\$54	340256	\$59	\$54	340265	\$59	\$54
PTA-212	2-1/2"	.68	340239	54	49	340248	59	54	340257	59	54	340266	59	54
PTA-3	3"	1.0	340240	74	69	340249	80	74	340258	80	74	340267	80	74
PTA-312	3-1/2"	1.3	340241	74	69	340250	80	74	340259	80	74	340268	80	74
PTA-4	4"	1.6	340242	89	78	340251	97	87	340260	97	87	340269	97	87
PTA-412	4-1/2"	2.0	340243	89	78	340252	97	87	340261	97	87	340270	97	87
PTA-5	5"	2.4	340244	89	78	340253	97	87	340262	97	87	340271	97	87
PTA-512	5-1/2"	2.9	340245	116	104	340254	125	113	340263	125	113	340272	125	113
PTA-6	6"	3.8	340246	116	104	340255	125	113	340264	125	113	340273	125	113



FLAGPOLE CAPS

Cast aluminum construction designed to slip over the top of the flagpole and be secured with three 1/4"-20NC stainless steel set screws. The top of the cap is designed to accept an ornament with a spindle threading of 1/2"-13NC as standard but can be supplied with other sizes of threading or no threading. Please specify color when ordering. If not specified, silver will be supplied.

MODEL	FITS POLE DIAMETER	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
FC-20	2"	.60	340274	\$21.00	\$19.00	340276	\$24.00	\$22.00	340278	\$24.00	\$22.00	340280	\$24.00	\$22.00
FC-212	2-1/2"	.60	340275	24.00	22.00	340277	26.00	24.00	340279	26.00	24.00	340281	26.00	24.00



PULLEY & EYEBOLT ASSEMBLIES

Includes Hex Nut, Washer & Lock Washer

MODEL	ITEM #	OVERALL LENGTH	THREAD LENGTH	BOLT THREADING	BOLT MATERIAL	PULLEY HOUSING MATERIAL	PULLEY MATERIAL	MAX. ROPE DIAMETER	1-5	6+	LBS.
DELUXE	340236	4-1/8"	2-3/8"	5/16"-18NC	STAINLESS STEEL	STAINLESS STEEL	NYLON	5/16"	\$19.50	\$18.50	.02
STANDARD	340237	3-1/8"	1"	#8-32NC	ZINC PLATED STEEL	ZINC	ZINC	3/16"	5.80	5.30	.07



ROPE PULLEYS

ITEM #	DIA.	WIDTH	MATERIAL	MAXIMUM AXLE DIA.	MAXIMUM ROPE DIA.	USED WITH OUR TRUCK MODEL NUMBER...	1-5	6+	LBS.
340302	1"	3/8"	NYLON	3/16"	1/4"	ST-1-38, ST-1-12, ST-1-16, ST-1-20	\$3.30	\$3.00	.01
340356*	1-1/2"	1/2"	NYLON	1/4"	1/4"	OTH, IH-1-35, OT35	4.60	4.10	.03
340355	1-1/2"	9/16"	NYLON	1/4"	1/4"	ST2, ST3, OT1, OT25, IH-1 INNER PULLEY INSERT	4.60	4.10	.03
340358	1-1/2"	3/4"	NYLON	1/4"	5/16"	RTS-1-125, RTC-1-138, RTC-1-2, RTC-1-238	4.90	4.60	.04
340357	1-15/16"	9/16"	NYLON	1/4"	5/16"	RTS-2-125, RTC-2-138, RTC-2-2, RTC-2-238, RTSB	4.90	4.60	.04
340320	2"	1/2"	NYLON	1/4"	5/16"	OT2, OT3, OT325, IH-1-3, IHT-VS	4.10	3.70	.04
340359	2-1/2"	7/8"	ALUMINUM	1/2"	3/8"	HDT-1	23.00	21.00	.40
340305	3-3/4"	3/4"	ALUMINUM	1/2"	3/8"	HDT-2	23.50	21.50	.45

*340356 is also used with our Vertical Mount Pulley Assemblies. Please note that the diameter of all of our nylon pulleys can vary plus or minus 1/16".

VERTICAL MOUNT PULLEY ASSEMBLIES

Cast aluminum construction. 1-1/2" outside diameter cast nylon pulley on a 1/4" stainless steel axle. Attaches with two 1/4"-20NC stainless steel flat head screws or two stainless steel straps (not included). Maximum halyard diameter is 5/16". Not supplied as standard with holes drilled for mounting. Add \$2.00 for drilling.

ITEM #	COLOR	1-5	6+	LBS.
340298	SILVER	\$24.00	\$22.00	.60
340299	BRONZE #313	27.50	25.00	.60
340300	BLACK	27.50	25.00	.60
340301	WHITE	27.50	25.00	.60



THREADED TOP PLUGS

Screws into top of pole with 1-1/4" NPT threading and allows for insertion of ornament with either a 1/2"-13NC or 5/8"-11NC spindle threading.

ITEM #	FOR ORNAMENT SPINDLE SIZE	1-5	6+	LBS.
340306	1/2"-13NC	\$29.00	\$26.50	.25
340307	5/8"-11NC	31.50	28.00	.25

FLAGPOLE CLEATS, HALYARD, SNAPS & ACCESSORIES



STANDARD CAST ALUMINUM CLEATS

Two 1/4"-20NC Stainless Steel Mounting Screws Included

Standard colors are: Silver, Bronze #313, White & Black.

If not specified when ordering, Silver will be supplied.

MODEL	LENGTH	DISTANCE BETWEEN BOLT CENTERS	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
				ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
CL6	6"	2"	.25	350000	\$9.40	\$8.60	350002	\$11.60	\$10.10	350004	\$11.60	\$10.10	350006	\$11.60	\$10.10
CL9	9"	2-3/4"	.55	350001	13.00	11.30	350003	14.20	12.90	350005	14.20	12.90	350007	14.20	12.90



LIGHT-DUTY CAST ALUMINUM CLEATS

Two #10-5/8" Self-Tapping Flat Head Mounting Screws Included

Standard colors are: Silver, Bronze #313, White & Black.

If not specified when ordering, Silver will be supplied.

MODEL	LENGTH	DISTANCE BETWEEN BOLT CENTERS	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
				ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
CLC	4-1/2"	3/4"	.04	350008	\$4.80	\$4.50	350010	\$6.40	\$5.70	350012	\$6.40	\$5.70	350014	\$6.40	\$5.70
CLH	6"	1"	.06	350009	5.10	4.80	350011	7.00	6.60	350013	7.00	6.60	350015	7.00	6.60



HEAVY-DUTY CAST ALUMINUM CLEAT

Two 3/8"-16NC Stainless Steel Slotted Flat Head Screws Included

Standard colors are: Silver, Bronze #313, White & Black.

If not specified when ordering, Silver will be supplied.

LENGTH	DISTANCE BETWEEN BOLT CENTERS	LBS.	SILVER			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
14-3/4"	4-7/8"	2.2	350016	\$96.00	\$90.00	350017	\$102.00	\$98.00	350018	\$102.00	\$98.00	350019	\$102.00	\$98.00



CAST BRONZE CLEAT

Two 1/4"-20NC Brass Mounting Screws Included

MODEL	ITEM #	LENGTH	DISTANCE BETWEEN BOLT CENTERS	1-5	6+	LBS.
CL9/B	350022	9"	2-3/4"	\$67.00	\$63.00	1.4



CHROME PLATED CAST BRONZE CLEAT

Two 1/4"-20NC Stainless Steel Mounting Screws Included

MODEL	ITEM #	LENGTH	DISTANCE BETWEEN BOLT CENTERS	1-5	6+	LBS.
CL9/CP	350023	9"	2-3/4"	\$80.00	\$73.00	1.4



CAST NYLON CLEATS

Two #10-1-1/2" Self-Tapping Mounting Screws Included

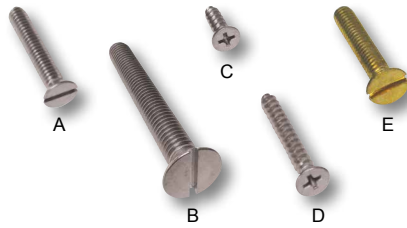
MODEL	ITEM #	COLOR	DISTANCE BETWEEN BOLT CENTERS	1-5	6+	LBS.
CLP-G	350020	GRAY	1-1/8"	\$3.70	\$3.30	.07
CLP-W	350021	WHITE	1-1/8"	3.70	3.30	.07

All of the above Cleats can be mixed to achieve the higher quantity pricing.

If medium bronze #312, light bronze #311 or a custom color is desired please specify when ordering.

FLAGPOLE CLEATS, HALYARD, SNAPS & ACCESSORIES

CLEAT SCREWS



	MATERIAL	LENGTH	THREAD	COLOR	ITEM #	PRICE	LBS.
A	STAINLESS STEEL	1-1/2"	1/4"-20NC	Silver	350025	\$0.66	.05
B	ZINC PLATED STEEL	3"	3/8"-16NC	Silver	350026	1.94	.18
C	ZINC PLATED STEEL	5/8"	#10	Silver	350027	0.30	.01
D	ZINC PLATED STEEL	1-1/2"	#10	Silver	350028	0.32	.01
D	STAINLESS STEEL	1-1/2"	#14	White Painted	350249	1.00	.05
E	BRASS ALLOY	1-1/2"	1/4"-20NC	Brass	350041	0.96	.02

CLEAT COVER BOXES

Cast aluminum with stainless steel hinge pins. Design allows for easy installation utilizing the cleat holes to mount the cleat cover box. Comes complete with you choice of padlock or cylinder lock. Two extra long 1/4"-20NC stainless steel mounting screws are included. The distance between bolt centers is 2-3/4". Rope cleat is not included - recommended cleats are the CL9, CL9/B, CL9/CP or CL9/SS; see previous page for pricing. Standard colors are Silver, or painted to match Clear, Bronze #313, White or Black.

With
Cylinder Lock



With
Padlock



Cleat Cover Boxes can be mixed to achieve the higher quantity pricing.

WITH CYLINDER LOCK AND MOUNTING SCREWS

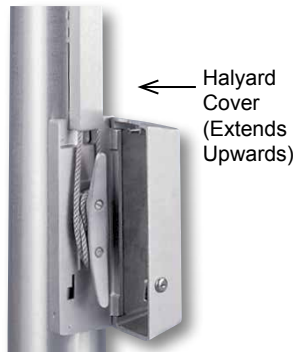
MODEL	FITS POLE DIA.	LBS.	SILVER			CLEAR			BRONZE #313		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
CBC-335	3"-3½"	5.0	350042	\$127	\$114	350046	\$139	\$127	350050	\$139	\$127
CBC-412	4"-12"	5.0	350043	127	114	350047	139	127	350051	139	127

MODEL	FITS POLE DIA.	LBS.	WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+
CBC-335	3"-3½"	5.0	350054	\$139	\$127	350058	\$139	\$127
CBC-412	4"-12"	5.0	350055	139	127	350059	139	127

WITH PADLOCK LOCK AND MOUNTING SCREWS

MODEL	FITS POLE DIA.	LBS.	SILVER			CLEAR			BRONZE #313		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
CB-335	3"-3½"	5.6	350044	\$134	\$122	350048	\$151	\$134	350052	\$151	\$134
CB-412	4"-12"	5.6	350045	134	122	350049	151	134	350053	151	134

MODEL	FITS POLE DIA.	LBS.	WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+
CB-335	3"-3½"	5.6	350056	\$151	\$134	350060	\$151	\$134
CB-412	4"-12"	5.6	350057	151	134	350061	151	134



HALYARD COVERS WITH MOUNTING SCREWS

This 1-3/4" wide by 1" deep aluminum channel is designed to be used with the cleat cover boxes above by providing additional protection 5', 6', 8', or 10' above the cleat cover box. The 5', 6', and 8' models have an upper & lower hinge assembly and is secured to the pole with six #10-32NC stainless steel pan head screws (included). The 10' model has upper, middle and lower hinge assemblies and is secured to the pole with nine #10-32NC stainless steel pan head screws (included). Note: Shown with cleat cover box which is sold separately and is not included in the pricing below. Standard colors are Silver, or painted to match Clear, Bronze #313, White or Black.

MODEL	LENGTH	LBS.	SILVER			CLEAR			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
HC-5	5'	5.1	350066	\$121	\$107	350070	\$147	\$133	350074	\$147	\$133	350078	\$147	\$133	350082	\$147	\$133
HC-6	6'	5.9	350067	133	121	350071	163	147	350075	163	147	350079	163	147	350083	163	147
HC-8	8'	7.5	350068	165	149	350072	202	178	350076	202	178	350080	202	178	350084	202	178
HC-10	10'	9.5	350069	198	178	350073	233	210	350077	233	210	350081	233	210	350085	233	210

Halyard Covers can be mixed to achieve the higher quantity pricing.

FLAGPOLE CLEATS, HALYARD, SNAPS & ACCESSORIES



Cylinder Lock

Padlock

LOCKS & KEYS FOR CLEAT BOXES

MODEL	ITEM #	DESCRIPTION	1-5	6+	LBS.
CBC-L	350090	CYLINDER LOCK w/KEYS	\$16.30	\$15.10	.14
CBC-K	350091	KEY ONLY FOR CYLINDER LOCK	6.90	6.10	.04
CB-L	350092	PADLOCK w/KEYS	12.10	11.10	.46



CLEAT COVER BOX MOUNTING SCREWS

2-1/2" x 1/4"-20NC

ITEM #	COLOR	PRICE	LBS.
350062	SILVER	\$0.98	.03



HALYARD COVER MOUNTING SCREWS

5/8" x #10-32NC Stainless Steel

ITEM #	COLOR	PRICE	LBS.
350086	SILVER	\$0.44	.01

WALL MOUNTED HALYARD COVERS

The aluminum plate to which the halyard cover is attached measures 6" wide, 1/8" thick and the height is determined by the length of the halyard cover. These units are designed to be mounted using thru wall bolts or expansion shields utilizing 3/8" diameter threaded rod. Expansion shields are supplied as standard. If thru wall bolts are required please specify length. All nuts, washers & lock washers are supplied for a complete installation. Standard colors are Silver, or painted to match Clear, Bronze #313, White or Black. Please specify color when ordering. If not specified when ordering Silver will be supplied.

All Wall Mounted Halyard Covers are made to order. Please allow 1 - 2 weeks after approval for shipping.

MODEL	L.	LBS.	SILVER			CLEAR			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
WMHC-5	5'	9.5	350094	\$333	\$315	350098	\$411	\$372	350102	\$411	\$372	350106	\$411	\$372	350110	\$411	\$372
WMHC-6	6'	12	350095	388	350	350099	478	427	350103	478	427	350107	478	427	350111	478	427
WMHC-8	8'	15	350096	457	414	350100	556	500	350104	556	500	350108	556	500	350112	556	500
WMHC-10	10'	19	350097	514	463	350101	631	566	350105	631	566	350109	631	566	350113	631	566



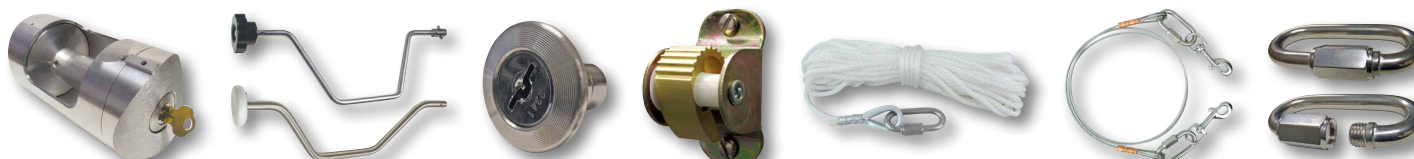
WALL MOUNTED CLEAT BOXES

This unit comes complete with a cleat cover box mounted onto a 20" high, 12" wide, 1/8" thick aluminum plate. Designed to be mounted using thru wall bolts or expansion shields utilizing 3/8" diameter threaded rod. Expansion shields are supplied as standard; if thru wall bolts are required please specify length. All nuts, washers & lock washers are supplied for a complete installation. Standard colors are Silver, or painted to match Clear, Bronze #313, White or Black. Please specify color when ordering. If not specified when ordering Silver will be supplied.

All Wall Mounted Cleat Boxes are made to order. Please allow 1 - 2 weeks after approval for shipping.

MODEL	TYPE OF LOCK	LBS.	SILVER			CLEAR			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
CBWM-C	CYLINDER	10	350114	\$265	\$237	350116	\$305	\$278	350118	\$305	\$278	350120	\$305	\$278	350122	\$305	\$278
CBWM-P	PADLOCK	10.5	350115	297	280	350117	316	291	350119	316	291	350121	316	291	350123	316	291

SEE PAGES 175 - 181 FOR INTERNAL HALYARD PARTS & ACCESSORIES



If medium bronze #312, light bronze #311 or a custom color is desired please specify when ordering.

FLAGPOLE CLEATS, HALYARD, SNAPS & ACCESSORIES



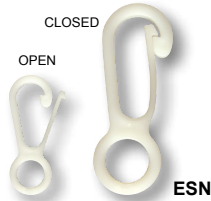
SOLID BRASS SWIVEL SNAPS

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
ESS	350124	3"	\$4.10	\$3.70	\$3.40	.13
ESSL	350125	3-3/4"	5.70	5.00	4.60	.17
ESSXL	350126	4-3/4"	9.70	8.60	8.00	.30



SOLID BRASS DOUBLE SNAP

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
DS-4	350135	4"	\$5.30	\$4.70	\$4.20	.14



NYLON SNAPS



MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
ESN	350131	2-3/4"	\$0.78	\$0.74	\$0.68	.01
EVL	350132	3"	9.70	9.20	9.00	.04



NICKEL PLATED ZINC SWIVEL SNAP

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
ESSZ	350127	3-1/2"	\$3.40	\$3.20	\$2.90	.10



RUBBER COATED BRASS SWIVEL SNAPS

MODEL	ITEM #	LENGTH	COLOR	1-11	12-143	144+	LBS.
ESR-W	350133	3"	WHITE	\$9.90	\$9.40	\$7.90	.13
ESR-B	350134	3"	BROWN	10.40	9.90	8.30	.13



CHROME PLATED BRASS SWIVEL SNAP

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
ESSC	350128	3-1/2"	\$6.00	\$5.40	\$4.70	.13



STAINLESS STEEL SWIVEL SNAPS

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
SSFS1	350129	3-3/4"	\$17.50	\$16.50	\$15.50	.13
SSFS2	350130	4-3/4"	21.50	20.50	19.50	.28



STAINLESS STEEL SWIVEL SNAP w/LARGE EYE OPENING

Ideal for 25' x 40' flags and larger.

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
SSFS3	350257	4-3/4"	\$22.50	\$21.50	\$20.00	.35



STAINLESS STEEL SPRING CLIPS

ITEM #	LENGTH	1-11	12-143	144+	LBS.
350136	2-3/8"	\$3.00	\$2.50	\$2.40	.06
350254	2-3/4"	4.10	3.80	3.50	.09



VINYL SNAP COVERS

MODEL	ITEM #	COLOR	LEN.	DIA.	1-11	12-143	144+	LBS.
EVC-G	350137	GRAY	3-1/2"	1-1/4"	\$2.40	\$2.30	\$2.20	.05
EVC-B	350138	BROWN	3-1/2"	1-1/4"	2.40	2.30	2.20	.05
EVCXL-G	350139	GRAY	4-1/4"	1-1/2"	3.20	3.10	2.90	.08
EVCXL-B	350140	BROWN	4-1/4"	1-1/2"	3.20	3.10	2.90	.08

All of the above items can be mixed to achieve the higher quantity pricing.

FLAGPOLE CLEATS, HALYARD, SNAPS & ACCESSORIES

POLYPROPYLENE HALYARD – SOLID BRAIDED MULTIFILAMENT



CUT-TO-LENGTH – PRICED PER FOOT

MODEL	DIA.	LBS.	WHITE		SILVER		BRONZE #313		BLACK	
			ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE
PH6	3/16"	.01	350195	\$0.27	350200	\$0.28	350204	\$0.28	350208	\$0.28
PH8	1/4"	.01	350196	0.29	350201	0.31	350205	0.31	350209	0.31
PH10	5/16"	.02	350197	0.34	350202	0.36	350206	0.36	350210	0.36
PH12	3/8"	.02	350198	0.41	350203	0.47	350207	0.47	350211	0.47

Note: When ordering cut-to-length halyard please specify the number of feet desired. Our sales staff will convert the number of feet to the proper decimal equivalent in relation to the appropriate spool of halyard and this information will appear on your invoice. This is being done to accommodate our computer system.

SPOOLS – PRICED PER SPOOL



MODEL	FT. PER SPOOL	DIA.	LBS.	WHITE				SILVER			
				ITEM #	1-2 SPOOLS	3-4 SPOOLS	5+ SPOOLS	ITEM #	1-2 SPOOLS	3-4 SPOOLS	5+ SPOOLS
PH6	1,500	3/16"	16	350195	\$395	\$332	\$265	350200	\$413	\$357	\$316
PH8	1,000	1/4"	14	350196	286	225	199	350201	308	252	225
PH10	600	5/16"	11	350197	199	172	160	350202	211	186	172
PH12	600	3/8"	15	350198	244	199	186	350203	277	212	199
PH16	250	1/2"	16	350199	410	383	357	—	—	—	—

MODEL	FT. PER SPOOL	DIA.	LBS.	BRONZE #313				BLACK			
				ITEM #	1-2 SPOOLS	3-4 SPOOLS	5+ SPOOLS	ITEM #	1-2 SPOOLS	3-4 SPOOLS	5+ SPOOLS
PH6	1,500	3/16"	16	350204	\$413	\$357	\$316	350208	\$413	\$357	\$316
PH8	1,000	1/4"	14	350205	308	252	225	350209	308	252	225
PH10	600	5/16"	11	350206	211	186	172	350210	211	186	172
PH12	600	3/8"	15	350207	277	212	199	350211	277	212	199
PH16	250	1/2"	16	—	—	—	—	—	—	—	—

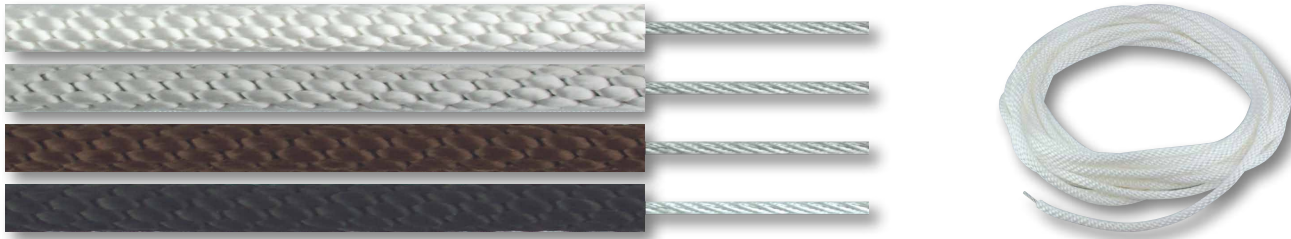
MODEL	LENGTH	DIA.	LBS.	WHITE		SILVER		BRONZE #313	
				ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE
NH4	28'	1/8"	.12	350141	\$4.10	—	—	—	—
PH6	30'	3/16"	.30	350142	8.30	350154	9.30	350166	9.30
PH6	40'	3/16"	.40	350143	11.20	—	—	350167	11.90
PH8	30'	1/4"	.34	—	—	350252	9.90	—	—
PH8	40'	1/4"	.45	350144	12.00	350156	13.90	350168	13.90
PH8	50'	1/4"	.65	350145	15.00	350157	16.40	350169	16.40
PH8	60'	1/4"	.75	350146	17.50	350158	19.00	350170	19.00
PH10	40'	5/16"	.90	—	—	350253	15.00	—	—
PH10	50'	5/16"	.90	350147	17.50	350159	19.00	350171	19.00
PH10	60'	5/16"	.95	350148	20.30	350160	21.40	350172	21.40
PH10	70'	5/16"	1.2	350149	22.70	350161	25.20	350173	25.20
PH10	80'	5/16"	1.4	350150	26.50	350162	27.70	350174	27.70
PH10	90'	5/16"	1.5	350151	29.00	350163	31.40	350175	31.40
PH10	100'	5/16"	1.5	350152	32.80	350164	35.30	350176	35.30
PH12	120'	3/8"	2.5	350153	40.40	350165	45.20	350177	45.20

PRE-BAGGED – PRICED PER BAG



FLAGPOLE CLEATS, HALYARD, SNAPS & ACCESSORIES

NYLON WIRE CENTER HALYARD



CUT-TO-LENGTH – PRICED PER FOOT

MODEL	DIA.	LBS.	WHITE		SILVER		BRONZE #313		BLACK	
			ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE
NWCH6	3/16"	.03	350228	\$0.55	350232	\$0.60	350236	\$0.60	350240	\$0.60
NWCH8	1/4"	.03	350229	0.60	350233	0.62	350237	0.62	350241	0.62
NWCH10	5/16"	.04	350230	0.74	350234	0.78	350238	0.78	350242	0.78
NWCH12	3/8"	.04	350231	0.99	350235	1.03	350239	1.03	350243	1.03

Note: When ordering cut-to-length halyard please specify the number of feet desired. Our sales staff will convert the number of feet to the proper decimal equivalent in relationship to the appropriate spool of halyard and this information will appear on your invoice. This is being done to accommodate our computer system.

SPOOLS – PRICED PER SPOOL



MODEL	FEET PER SPOOL	DIA.	LBS.	WHITE				SILVER			
				ITEM #	1-2 SPOOLS	3-4 SPOOLS	5+ SPOOLS	ITEM #	1-2 SPOOLS	3-4 SPOOLS	5+ SPOOLS
NWCH6	1,000	3/16"	32	350228	\$549	\$499	\$451	350232	\$593	\$529	\$476
NWCH8	1,000	1/4"	35	350229	593	546	488	350233	614	556	502
NWCH10	500	5/16"	21	350230	367	332	305	350234	389	357	316
NWCH12	500	3/8"	26	350231	494	449	397	350235	511	463	411

MODEL	FEET PER SPOOL	DIA.	LBS.	BRONZE #313				BLACK			
				ITEM #	1-2 SPOOLS	3-4 SPOOLS	5+ SPOOLS	ITEM #	1-2 SPOOLS	3-4 SPOOLS	5+ SPOOLS
NWCH6	1,000	3/16"	31	350236	\$593	\$529	\$476	350240	\$593	\$529	\$476
NWCH8	1,000	1/4"	34	350237	614	556	502	350241	614	556	502
NWCH10	500	5/16"	20	350238	389	357	316	350242	389	357	316
NWCH12	500	3/8"	23	350239	511	463	411	350243	511	463	411

TECHNORA® FLAGPOLE HALYARD

High performance fibers are encased inside a polyester fiber yarn jacket resulting in a high strength, low stretch, U.V. and abrasion resistant flagpole halyard. Available in White.

White Polyester
Outer Jacket

High Performance
Fiber Yarns



ITEM #	DESCRIPTION	DIA.	COLOR	PRICE	LBS.
350256	CUT-TO-LENGTH	1/4"	WHITE	\$1.28/FOOT	.02
350256	1000' SPOOL	1/4"	WHITE	\$1,280/SPOOL	18

Note: When ordering cut-to-length halyard please specify the number of feet desired. Our sales staff will convert the number of feet to the proper decimal equivalent in relationship to the appropriate spool of halyard and this information will appear on your invoice. This is being done to accommodate our computer system.

ZipKlip™ FLAG FASTENERS

These nylon flag fastener clips are sold two per set and come complete with stainless steel spring clips. The halyard is held firmly in place with a positive lock nylon set screw. Maximum rope diameter 5/16".

ITEM #	PRICE	LBS.
350255	\$9.80 PER SET OF TWO	.20



M-WINCHES

Standard finishes available: Satin, Clear, Bronze #313, White, Black

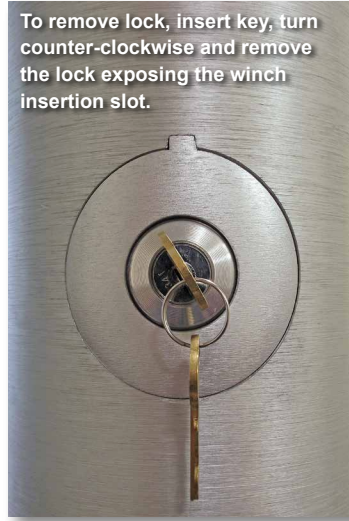


The maintenance-free M-Winch is gearless and self-locking at any point, eliminating the need for a separate brake. This direct drive winch provides rapid raising and lowering of the flag with little effort. The design does not require any welding, thus avoiding discoloration when an anodized finish is desired. No monthly lubrication is needed. This winch system can be easily adapted to existing on-site flag-poles. The winch is inserted into the pole and secured with a stainless steel bolt on the back side of the pole. Other sizes available upon request.

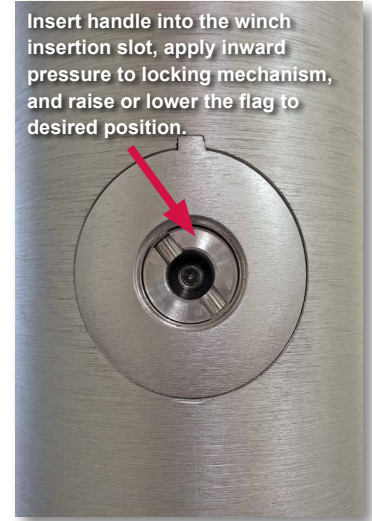
Normal appearance of M-Winch while flag is flying or there is no flag being flown.



To remove lock, insert key, turn counter-clockwise and remove the lock exposing the winch insertion slot.



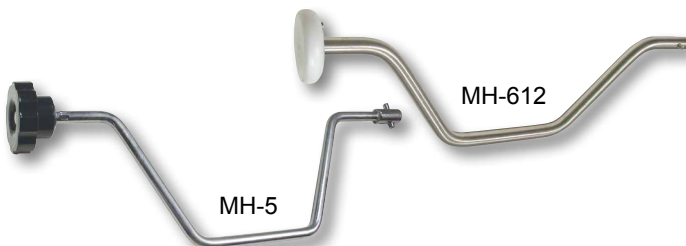
Insert handle into the winch insertion slot, apply inward pressure to locking mechanism, and raise or lower the flag to desired position.



MODEL	FITS POLE DIA.	LBS.	SATIN			CLEAR			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
M-5	5" w/.125 WALL	1.3	360000	\$480	\$460	360009	\$510	\$480	360018	\$510	\$480	360027	\$510	\$480	360036	\$510	\$480
M-5	5" w/.156 WALL	1.3	360344	480	460	360345	510	480	360346	510	480	360347	510	480	360348	510	480
M-6	6"	2.1	360001	760	700	360010	790	740	360019	790	740	360028	790	740	360037	790	740
M-6H	6" w/.250 WALL	2.1	360501	760	700	360502	790	740	360503	790	740	360505	790	740	360504	790	740
M-7	7"	2.3	360002	760	700	360011	790	740	360020	790	740	360029	790	740	360038	790	740
M-8	8"	4.5	360003	850	770	360012	900	840	360021	900	840	360030	900	840	360039	900	840
M-10	10"	4.9	360004	900	840	360013	930	870	360022	930	870	360031	930	870	360040	930	870
M-1034	10-3/4"	5.1	360005	1,030	980	360014	1,080	1,040	360023	1,080	1,040	360032	1,080	1,040	360041	1,080	1,040
M-12	12" w/.250 WALL	5.0	360466	1,030	980	360467	1,080	1,040	360468	1,080	1,040	360469	1,080	1,040	360470	1,080	1,040
M-12	12" w/.375 WALL	5.0	360006	1,030	980	360015	1,080	1,040	360024	1,080	1,040	360033	1,080	1,040	360042	1,080	1,040
M-1234	12-3/4"	7.9	360007	2,100	1,970	360016	2,150	2,000	360025	2,150	2,000	360034	2,150	2,000	360043	2,150	2,000
M-14	14"	8.1	360008	2,100	1,970	360017	2,150	2,000	360026	2,150	2,000	360035	2,150	2,000	360044	2,150	2,000

M-Winches can be mixed to achieve the higher quantity pricing.

M-WINCH HANDLES



MODEL	ITEM #	FOR M-WINCH MODEL #	1-5	6+	LBS.
MH-5	360045	M-5	\$58.00	\$53.00	.50
MH-612	360046	M-6 THRU M-14	123.00	115.00	1.1

Winch Handles on this page can be mixed to achieve the higher quantity pricing.

LOCK & KEY FOR M-WINCHES



MODEL	ITEM #	DESCRIPTION	1-5	6+	LBS.
M-L	360054	LOCK w/KEY	\$74.00	\$70.00	.08
M-K	360055	KEY ONLY*	10.40	9.80	.01

*Please provide number located on cylinder lock when ordering replacement keys.

If medium bronze #312, light bronze #311 or a custom color is desired please specify when ordering.

INTERNAL HALYARD PARTS & ACCESSORIES



STAINLESS STEEL WINCHES

These winches are available for use on flagpoles with a butt diameter of 6" or larger. These gearless winches utilize cast bronze internal brakes which release when a winch handle is inserted and rotational pressure is applied. The winch is locked at any position by removing the handle which engages the brake system. The small size is generally used on flagpoles up to 45', the large size is used on flagpoles from 50' thru 80' and the X-Large size is used on flagpoles higher than 80'. The winch is mounted to the inside of the flagpole with two 5/16"-18NC stainless steel bolts with mounting centers being 3-1/2". Recommended diameter of stainless steel cable is 1/8".

MODEL	ITEM #	SIZE	MIN. POLE OPENING		DRUM WIDTH	1-5	6+	LBS.
			HEIGHT	WIDTH				
SSW1	360047	SMALL	4-1/8"	3-1/8"	1-1/2"	\$490	\$460	3.5
SSW2	360048	LARGE	4-1/8"	3-5/8"	2"	490	460	3.8
SSW3	360049	X-LARGE	4-1/8"	6-5/8"	5"	840	770	4.8

Stainless Steel Winches can be mixed to achieve the higher quantity pricing.

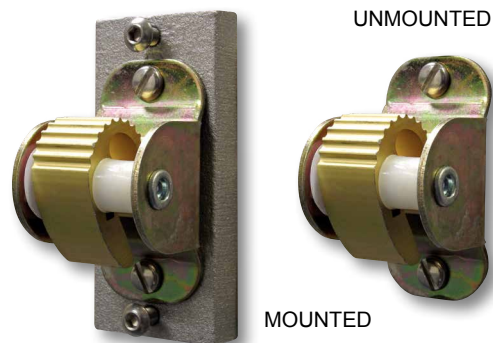


HANDLE FOR STAINLESS STEEL WINCHES

Designed to be used with any of the stainless steel winches described above.

MODEL	ITEM #	1-5	6+	LBS.
WH1	360051	\$46.00	\$44.00	1.3

All Winch Handles on this page can be mixed to achieve the higher quantity pricing.



UNMOUNTED

MOUNTED

CAM ACTION CLEATS

Used in rope style internal halyard flagpoles. The mounted version is secured onto a 1-1/2" x 3-3/8" aluminum block with two #10-32NC stainless steel pan head screws. Both versions are supplied with two #10-32NC stainless steel mounting screws. Recommended maximum rope diameter is 5/16".

ITEM #	DESCRIPTION	DISTANCE BETWEEN BOLT CENTERS	1-5	6+	LBS.
360052	MOUNTED	2-15/16"	\$36.00	\$32.00	.50
360053	UNMOUNTED	2"	21.00	20.00	.25

STANDARD FLAG ARRANGEMENTS

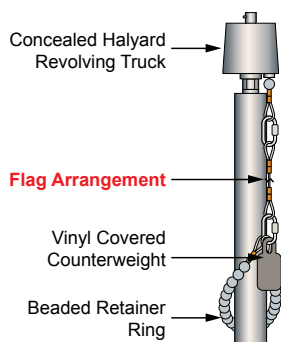
Constructed of 1/8" stainless steel aircraft cable with a stainless steel thimble attached at each end with 2 copper crimps. These flag arrangements provide the method of attaching the flag or flags to the cable assembly. This is also an excellent method for changing the quantity of flags or the size(s) of flag(s) without having to change the entire cable assembly. Standard flag arrangements are supplied with either 2 or 3 stainless steel quick links depending on the recommended flag size. Deluxe arrangements are supplied with a more complete set of accessories.

MODEL	ITEM #	FOR FLAG SIZE	# OF QUICK LINKS	1-5	6+	LBS.
FA1	360473	12" x 18"	2	\$33	\$29	.35
FA2	360079	2' x 3'	2	42	39	.50
FA25	360080	2-1/2' x 4'	2	45	42	.55
FA3	360081	3' x 5'	2	46	43	.55
FA4	360082	4' x 6'	2	48	45	.60
FA5	360083	5' x 8' or 5' x 9-1/2'	2	51	46	.65
FA6	360084	6' x 10'	2	55	51	.65
FA8	360085	8' x 12'	2	111	99	.70
FA10	360086	10' x 15' or 10' x 19'	3	114	101	.95
FA12	360087	12' x 18'	3	121	111	1.0
FA15	360088	15' x 25'	3	125	117	1.1
FA20	360089	20' x 30' or 20' x 38'	3	130	119	1.3
FA25	360090	25' x 40'	3	141	128	2.0
FA30	360091	30' x 50' or 30' x 60'	3	146	130	2.8

All Standard Flag Arrangements can be mixed to achieve the higher quantity pricing.



Arrangement shown with 2 Quick Links

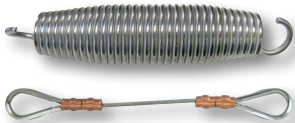


DELUXE FLAG ARRANGEMENTS

Constructed of 1/8" stainless steel aircraft cable with a stainless steel thimble attached at each end with 2 copper crimps. These flag arrangements provide the method of attaching the flag or flags to the cable assembly. This is also an excellent method for changing the quantity of flags or the size(s) of flag(s) without having to change the entire cable assembly. Deluxe flag arrangements are supplied with either 2 or 3 stainless steel quick links depending on the recommended flag size, flag snaps, shock spring where needed and safety cable where needed.



Arrangement for flag size
6' x 10' or smaller

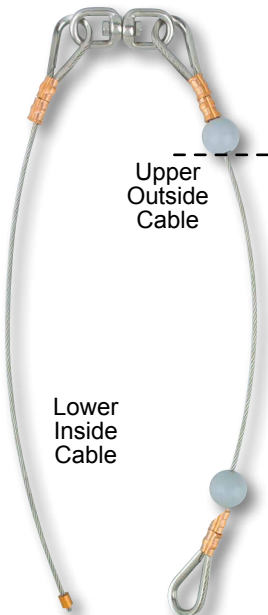


Shock spring and Safety
Cable supplied with
arrangements for 8' x 12'
or larger flag sizes

MODEL	ITEM #	FOR FLAG SIZE	SUPPLIED WITH				1-5	6+	LBS.
			QUICK LINKS	FLAG SNAPS	SHOCK SPRING	SAFETY CABLE			
FA2	360474	2' x 3'	2	2 (STAINLESS STEEL SSFS-1)	—	—	\$63	\$58	1.2
FA25	360475	2-1/2' x 4'	2	2 (STAINLESS STEEL SSFS-1)	—	—	71	61	1.3
FA3	360476	3' x 5'	2	2 (STAINLESS STEEL SSFS-1)	—	—	72	63	1.3
FA4	360477	4' x 6'	2	2 (STAINLESS STEEL SSFS-1)	—	—	75	68	1.3
FA5	360478	5' x 8' or 5' x 9-1/2'	2	2 (STAINLESS STEEL SSFS-1)	—	—	79	72	1.4
FA6	360479	6' x 10'	2	2 (STAINLESS STEEL SSFS-1)	—	—	86	79	1.4
FA8	360480	8' x 12'	3	2 (STAINLESS STEEL SSFS-2)	1	1	123	111	2.3
FA10	360481	10' x 15' or 10' x 19'	3	2 (STAINLESS STEEL SSFS-2)	1	1	125	114	2.6
FA12	360482	12' x 18'	3	2 (STAINLESS STEEL SSFS-2)	1	1	133	121	2.6
FA15	360483	15' x 25'	3	2 (STAINLESS STEEL SSFS-2)	1	1	138	125	2.7
FA20	360484	20' x 30' or 20' x 38'	3	2 (STAINLESS STEEL SSFS-2)	1	1	145	130	2.9
FA25	360485	25' x 40'	3	2 (STAINLESS STEEL SSFS-2)	1	1	149	133	3.6
FA30	360486	30' x 50' or 30' x 60'	3	2 (STAINLESS STEEL SSFS-2)	1	1	153	135	4.4

CABLE ASSEMBLIES

Constructed of 1/8" and/or 3/16" stainless steel aircraft cable incorporating a stainless steel swivel to minimize the effect of unraveling due to the rotation of the truck assembly. The lower cable section has a copper cable stop attached to one end for installation into a stainless steel winch. This cable stop can easily be removed if the winch is an M-type which does not require a cable stop. The upper cable section is supplied with a stainless steel thimble, 2 copper crimps, and two ball cable stops, however, because this section must be threaded through the truck assembly, these parts are not attached to the cable before shipment and must be attached in the field. These standard cable assemblies are designed for flagpoles with a winch installed at 4' above grade.



ITEM #	EXPOSED HT. OF FLAGPOLE	LOWER INSIDE CABLE		UPPER OUTSIDE CABLE		1-5	6+	LBS.
		DIA.	LEN.	DIA.	LEN.			
360056	20'	3/32"	20'	1/8"	20'	\$99	\$90	1.4
360332	25*	3/32"	25'	1/8"	25'	111	97	1.6
360057	25'	1/8"	25'	1/8"	25'	111	97	1.9
360333	30*	3/32"	30'	1/8"	30'	117	105	1.9
360058	30'	1/8"	30'	1/8"	30'	117	105	2.2
360334	35*	3/32"	35'	1/8"	35'	125	114	2.1
360059	35'	1/8"	35'	1/8"	35'	125	114	2.5
360060	40'	1/8"	40'	3/16"	40'	136	124	4.2
360061	45'	1/8"	45'	3/16"	45'	142	129	4.6
360062	50'	1/8"	50'	3/16"	50'	156	139	5.1
360063	60'	1/8"	60'	3/16"	60'	193	176	6.1
360064	70'	1/8"	70'	3/16"	70'	207	184	7.0
360065	78'	1/8"	78'	3/16"	78'	213	193	7.8
360066	80'	1/8"	80'	3/16"	80'	220	201	8.0
360067	90'	1/8"	90'	3/16"	90'	279	251	8.9
360068	100'	1/8"	100'	3/16"	100'	297	272	9.9
360069	110'	1/8"	110'	3/16"	110'	310	279	11
360070	120'	1/8"	120'	3/16"	120'	315	284	12
360071	130'	1/8"	130'	3/16"	130'	362	328	13
360072	140'	1/8"	140'	3/16"	140'	375	335	14
360073	150'	1/8"	150'	3/16"	150'	400	362	15
360074	160'	1/8"	160'	3/16"	160'	426	387	16
360075	170'	1/8"	170'	3/16"	170'	452	408	17
360076	180'	1/8"	180'	3/16"	180'	504	452	18
360077	190'	1/8"	190'	3/16"	190'	541	488	19
360078	200'	1/8"	200'	3/16"	200'	595	534	20

*To be used with 5" diameter poles with our M-5 Winch installed. Cable Assemblies can be mixed to achieve higher quantity pricing.

INTERNAL HALYARD PARTS & ACCESSORIES



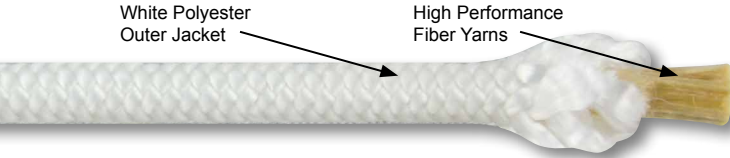
Poly Rope Assembly # 360096 shown

ROPE ASSEMBLIES

These assemblies are typically used in rope style internal halyard flagpoles where a cam cleat has been installed. Comes complete with a zinc plated carbon steel rope thimble attached to one end of the rope and stainless steel quick link.

TECHNORA® ROPE ASSEMBLIES

High performance fibers are encased inside a polyester fiber yarn jacket resulting in a high strength, low stretch, U.V. and abrasion resistant flagpole halyard.



HT. OF POLE	LEN. OF ROPE	DIA. OF ROPE	LBS..	WHITE		
				ITEM #	1-5	6+
20'	50'	1/4"	2.0	360495	\$70	\$61
25'	60'	1/4"	2.4	360496	84	76
30'	70'	1/4"	2.7	360497	97	89
35'	80'	1/4"	3.0	360498	111	98
40'	90'	1/4"	3.4	360499	125	114

POLYPROPYLENE ROPE ASSEMBLIES

HT. OF POLE	LEN. OF ROPE	DIA. OF ROPE	LBS.	WHITE			SILVER			BRONZE #313			BLACK		
				ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
20'	50'	1/4"	1.7	360096	\$21.50	\$19.00	360106	\$21.50	\$19.00	360116	\$21.50	\$19.00	360126	\$21.50	\$19.00
25'	60'	1/4"	2.1	360097	23.50	21.50	360107	24.50	22.50	360117	24.50	22.50	360127	24.50	22.50
30'	70'	1/4"	2.4	360098	25.50	23.50	360108	27.50	24.50	360118	27.50	24.50	360128	27.50	24.50
35'	80'	1/4"	2.7	360099	27.50	25.50	360109	28.50	26.50	360119	28.50	26.50	360129	28.50	26.50
40'	90'	1/4"	3.1	360100	30.50	27.50	360110	32.50	28.50	360120	32.50	28.50	360130	32.50	28.50

Can be mixed to achieve the higher quantity pricing

NYLON WITH WIRE CENTER ROPE ASSEMBLIES

HT. OF POLE	LEN. OF ROPE	DIA. OF ROPE	LBS.	WHITE			SILVER			BRONZE #313			BLACK		
				ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
20'	50'	3/16"	1.6	360137	\$33	\$31	360147	\$39	\$34	360157	\$39	\$34	360167	\$39	\$34
25'	60'	3/16"	1.9	360138	39	34	360148	45	42	360158	45	42	360168	45	42
30'	70'	3/16"	2.2	360139	43	40	360149	52	47	360159	52	47	360169	52	47
35'	80'	3/16"	2.5	360140	48	44	360150	60	55	360160	60	55	360170	60	55
40'	90'	3/16"	2.8	360340	71	53	360341	74	69	360342	74	69	360343	74	69

Can be mixed to achieve the higher quantity pricing

ROPE RETAINER RINGS

Retainer rings are generally used with internal halyard flagpoles by providing a means of keeping the bottom of the flag close to the pole and as an aid to raise and lower the flag. Retainer rings can also be used on large multi-grommet flags on both external and internal halyard flagpoles as a means to keep the flags close to the pole and reduce the strain on the upper and lower grommets of the flag. These roped retainer rings are constructed of 3/16" nylon wire center halyard with a zinc plated carbon steel thimble attached to one end with an aluminum crimp. Complete with stainless steel quick link. Standard colors are White, Silver, Bronze #313 and Black. Please specify color when ordering. If not specified White will be supplied.



MODEL	BUTT DIA. OF POLE	LBS.	WHITE			SILVER			BRONZE #313			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
RRR5	5"	.30	360230	\$19.00	\$17.00	360239	\$22.50	\$20.50	360248	\$22.50	\$20.50	360257	\$22.50	\$20.50
RRR6	6"	.30	360231	20.50	18.00	360240	23.50	21.50	360249	23.50	21.50	360258	23.50	21.50
RRR65	6-1/2"	.30	360232	21.50	19.00	360241	24.50	22.50	360250	24.50	22.50	360259	24.50	22.50
RRR7	7"	.32	360233	22.50	20.50	360242	26.50	24.50	360251	26.50	24.50	360260	26.50	24.50
RRR8	8"	.32	360234	23.50	21.50	360243	27.50	25.50	360252	27.50	25.50	360261	27.50	25.50
RRR10	10"	.34	360235	24.50	22.50	360244	28.50	26.50	360253	28.50	26.50	360262	28.50	26.50
RRR105	10-1/2"	.34	360236	27.50	25.50	360245	36.00	30.50	360254	36.00	30.50	360263	36.00	30.50
RRR115	11-1/2"	.36	360237	30.50	26.50	360246	40.00	36.00	360255	40.00	36.00	360264	40.00	36.00
RRR12	12"	.36	360238	34.00	28.50	360247	42.00	39.00	360256	42.00	39.00	360265	42.00	39.00
RRR16	16"	.50	360349	44.00	41.00	—	—	—	360350	53.00	48.00	—	—	—
RRR163	16-3/4"	.50	360351	53.00	48.00	—	—	—	360352	53.00	48.00	—	—	—

Rope Retainer Rings can be mixed to achieve the higher quantity pricing.

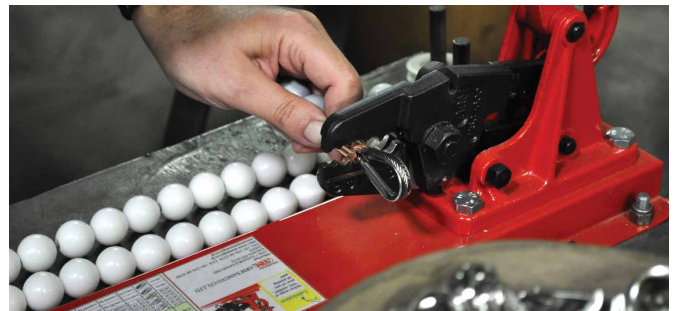
BEADED RETAINER RINGS

Retainer rings are generally used with internal halyard flagpoles by providing a means of keeping the bottom of the flag close to the pole and as an aid to raise and lower the flag. Retainer rings can also be used on large multi-grommet flags on both external and internal halyard flagpoles as a means to keep the flags close to the pole and reduce the strain on the upper and lower grommets of the flag.

These beaded rings are constructed of either 1" or combination of 1" & 2" diameter nylon balls strung onto 1/8" stainless steel aircraft cable with a stainless steel thimble attached to each end with two copper crimps. Complete with stainless steel quick link. The length of each retainer ring is determined by measuring from the outside tip of each thimble (the quick link is not included in the measurement).



MODEL	LENGTH	BUTT DIA. OF POLE	DIA. OF BALLS	LBS.	WHITE			SILVER			BRONZE #313			BLACK		
					ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
RR5	30"	5"	1"	.75	360176	\$44	\$41	360194	\$51	\$46	360212	\$51	\$46	360488	\$51	\$46
RR6	34"	6"	1"	.80	360177	45	42	360195	53	48	360213	53	48	360489	53	48
RR7	38"	7"	1"	.85	360178	47	44	360196	55	51	360214	55	51	360490	55	51
RR8	42"	8"	1"	.90	360179	48	45	360197	57	52	360215	57	52	360491	57	52
RR10	50"	10"	1"	1.1	360180	53	48	360198	58	53	360216	58	53	360492	58	53
RR11	54"	11"	1"	1.2	360181	57	51	360199	65	58	360217	65	58	360493	65	58
RR12	58"	12"	1"	1.2	360182	58	53	360200	68	60	360218	68	60	360494	68	60
RR13	62"	13"	1" & 2"	2.5	360183	111	99	Beaded Retainer Rings can be mixed to achieve the higher quantity pricing.								
RR14	66"	14"	1" & 2"	2.7	360184	117	105									
RR16	74"	16"	1" & 2"	3.1	360185	133	121									
RR18	82"	18"	1" & 2"	3.4	360186	153	138									
RR20	90"	20"	1" & 2"	3.8	360187	167	153									
RR22	98"	22"	1" & 2"	4.2	360188	183	167									
RR24	106"	24"	1" & 2"	4.6	360189	204	183									
RR30	124"	30"	1" & 2"	5.8	360190	241	219									
RR32	132"	32"	1" & 2"	6.2	360191	257	230									
RR34	140"	34"	1" & 2"	6.6	360192	283	257									
RR36	148"	36"	1" & 2"	7.0	360193	296	270									



NYLON RETAINER RING BALLS

Drilled to be strung onto 1/8" stainless steel aircraft cable.

ITEM #	DIA. OF BALL	COLOR OF BALL	1-99	100+	LBS.
360266	1"	WHITE	\$0.70	\$0.62	.02
360267	1"	SILVER	0.78	0.72	.02
360268	1"	BRONZE	0.78	0.72	.02
360487	1"	BLACK	0.78	0.72	.02
360269	1-1/2"	WHITE	3.10	2.90	.06
360270	2"	WHITE	4.60	4.20	.15

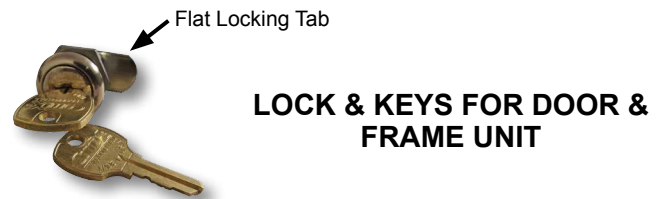
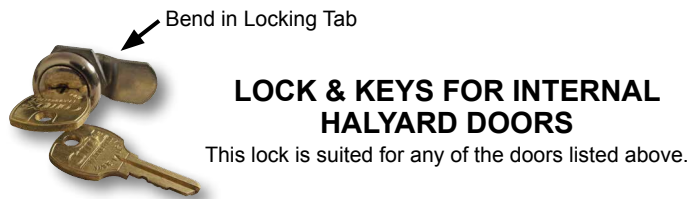
INTERNAL HALYARD PARTS & ACCESSORIES



INTERNAL HALYARD DOORS FOR ALUMINUM FLAGPOLES

With Lock & Keys

MODEL	POLE DIA.	LBS.	SATIN			CLEAR			BRONZE #313			WHITE			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
IHD6	6"	.42	360271	\$145	\$138	360276	\$152	\$142	360335	\$152	\$142	360281	\$152	\$142	360286	\$152	\$142
IHD7	7"	.46	360272	145	138	360277	152	142	360336	152	142	360282	152	142	360287	152	142
IHD8	8"	.60	360273	145	138	360278	152	142	360337	152	142	360283	152	142	360288	152	142
IHD10	10"	.72	360274	160	158	360279	174	166	360338	174	166	360284	174	166	360289	174	166
IHD12	12"	.76	360275	160	158	360280	174	166	360339	174	166	360285	174	166	360290	174	166



MODEL	ITEM #	DESCRIPTION	1-5	6+	LBS.
IHCL	360291	LOCK w/2 KEYS	\$15.70	\$14.50	.14
IHDK	360292	KEY ONLY	7.00	6.70	.04

MODEL	ITEM #	DESCRIPTION	1-5	6+	LBS.
DFL	360303	LOCK w/2 KEYS	\$15.70	\$14.50	.14
DFK	350091	KEY ONLY	6.90	6.10	.04



INTERNAL HALYARD DOOR & FRAME UNITS

This unit is designed for 5" diameter poles and is used with rope style internal halyard systems. Each unit consists of a hinged door mounted to the front of the frame and a cam cleat (optional) mounted to the back of the frame. The entire unit is inserted into the flagpole shaft and secured with eight 1/4"-20NC stainless steel screws. Minimum hole opening 5-1/2" x 3-1/4". Lock & keys included. Standard colors are Silver, or painted to match Clear, Bronze #313, White or Black. Please specify color when ordering. If not specified Silver will be supplied.

DESCRIPTION	LBS.	SILVER			CLEAR			BRONZE #313			WHITE			BLACK		
		ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
WITH CAM CLEAT	3.0	360293	\$156	\$138	360295	\$167	\$153	360297	\$167	\$153	360299	\$167	\$153	360301	\$167	\$153
NO CAM CLEAT	2.8	360294	123	114	360296	135	123	360298	135	123	360300	135	123	360302	135	123



DOORS FOR FIBERGLASS INTERNAL HALYARD POLES

With Lock & Keys

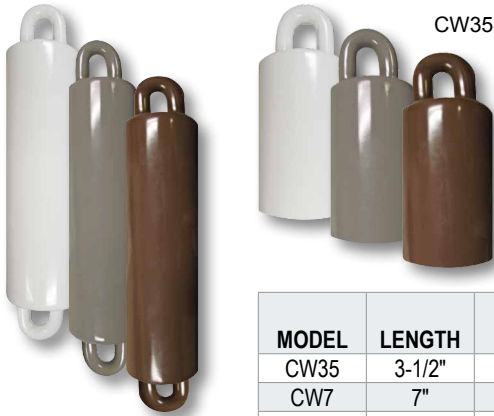
MODEL	ITEM #	FOR POLE MODEL #	COLOR	1-5	6+	LBS.
FIHD-1	360305	FG25IH, FG30IH, FG35IH, FG39IH	WHITE	\$110	\$98	.38
FIHD-3	360307	FG50IH, FG60IH, FG70IH, FG78IH	WHITE	230	213	.38



DOOR LOCKS & KEYS FOR FIBERGLASS INTERNAL HALYARD POLES

MODEL	ITEM #	FOR POLE MODEL #	1-5	6+	LBS.
FGL-1	360309	LOCK w/2 KEYS FG25IH, FG30IH, FG35IH, FG39IH	\$46.20	\$42.00	.38
FGK-1	360310	KEY ONLY FG25IH, FG30IH, FG35IH, FG39IH	21.50	19.40	.90
FGL-2	360311	LOCK w/2 KEYS FG50IH, FG60IH, FG70IH, FG78IH	46.20	42.00	.38
FGK-2	360312	KEY ONLY FG50IH, FG60IH, FG70IH, FG78IH	21.50	19.40	.90

INTERNAL HALYARD PARTS & ACCESSORIES



CW7 & CW14

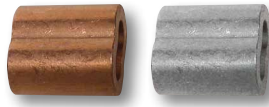
CW35

COUNTERWEIGHTS

Fabricated from 2" diameter steel and then coated with plastisol. The 3-1/2" pound weights are supplied with one eyebolt attached to one end while the 7 pound and 14 pound weights are supplied with an eyebolt attached to each end.

MODEL	LENGTH	LBS.	WHITE			SILVER			BRONZE #313		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
CW35	3-1/2"	3.3	360313	\$40	\$33	360316	\$40	\$33	360319	\$40	\$33
CW7	7"	6.7	360314	53	48	360317	53	48	360320	53	48
CW14	14"	13	360315	68	60	360318	68	60	360321	68	60

Counterweights can be mixed to achieve the higher quantity pricing.



CABLE & ROPE CRIMPS

MODEL	ITEM #	FOR CABLE OR ROPE DIA.	MATERIAL	1-5	6+	LBS.
CC3	360328	3/32"	COPPER	\$0.76	\$0.66	.01
CC1	360324	1/8"	COPPER	0.76	0.66	.02
CC2	360325	5/32"	COPPER	2.10	1.98	.02
ARC1	360326	1/4" - 5/16"	ALUMINUM	1.70	1.60	.02
ARC316	360500	3/16"	ALUMINUM	1.70	1.60	.02



CABLE & ROPE THIMBLES

IHTH-3 & IHTH-1 are Stainless Steel
IHTH-2 & IHTH-4 are Zinc Plated Steel

MODEL	ITEM #	FOR CABLE OR ROPE DIA.	1-5	6+	LBS.
IHTH-3	360331	3/32"	\$2.60	\$2.40	.02
IHTH-1	360322	1/8" - 5/32"	2.90	2.70	.02
IHTH-2	300238	1/8" - 5/32"	1.18	0.96	.02
IHTH-4	360471	NEW 5/16"	1.42	0.96	.05



QUICK LINK

Stainless Steel

MODEL	ITEM #	LENGTH	WIDTH	1-5	6+	LBS.
SSQL	360329	2-7/8"	1-3/8"	\$10.30	\$7.70	.20



COPPER CABLE STOP

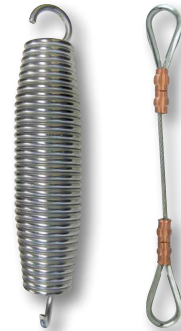
MODEL	ITEM #	FOR CABLE DIAMETER	1-5	6+	LBS.
CS1	360327	1/8"	\$0.76	\$0.66	.01



CABLE SWIVEL CONNECTOR

Stainless Steel

MODEL	ITEM #	LENGTH	WIDTH	1-5	6+	LBS.
IHCSC	360323	2-3/4"	1-1/8"	\$6.00	\$5.60	.20
IHCSC	360472	3-5/8"	1-3/8"	12.20	11.70	.28



SHOCK SPRING & SAFETY CABLE

Recommended for flagpoles which use an 8' x 12' or larger flag arrangement.

The shock spring is zinc plated high carbon steel, 5-1/2" long and 4" wide.

The safety cable is 1/8" stainless steel aircraft cable and 9" long. Each end has a stainless steel thimble attached with 2 copper crimps.

MODEL	ITEM #	DESCRIPTION	1-5	6+	LBS.
IHSS	360092	SHOCK SPRING	\$12.20	\$11.00	.04
SCO	360093	SAFETY CABLE	8.10	7.30	.02



STAINLESS STEEL CABLE

Priced Per Foot

MODEL	ITEM #	DIAMETER	1'-199'	200'+	LBS.
SSC32	360330	3/32"	\$1.70	\$1.50	.10
SSC18	360094	1/8"	1.70	1.50	.10
SSC316	360095	3/16"	1.90	1.70	.10

FLAGPOLE FLASH COLLARS (NOT SPLIT)

STANDARD PROFILE ALUMINUM FLASH COLLARS WITH .060" WALL THICKNESS



SATIN



CLEAR



BRONZE



BLACK



WHITE

The chart below contains the combinations most commonly requested. For other combinations please contact us.
5" x 12" flash collars shown above. Flash collar shape may vary depending on pole diameter & outside diameter.

POLE DIA.	OUTSIDE DIA.	HT.	LBS.	SATIN			CLEAR			BRONZE #313			BLACK			WHITE		
				ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
2"	8"	2 1/4"	.50	370000	\$23.50	\$21.50	320064	\$29.00	\$26.50	370048	\$29.00	\$26.50	370073	\$40.50	\$36.50	370098	\$29.00	\$26.50
2 3/8"	8"	2 1/4"	.45	370001	23.50	21.50	370025	29.00	26.50	370049	29.00	26.50	370074	40.50	36.50	370099	29.00	26.50
2 1/2"	8"	2 1/4"	.45	370002	23.50	21.50	320065	29.00	26.50	370050	29.00	26.50	370075	40.50	36.50	370100	29.00	26.50
2"	12"	1 3/4"	.80	370003	29.00	26.50	370026	40.50	36.50	370051	40.50	36.50	370076	45.00	42.00	370101	40.50	36.50
2 3/8"	12"	1 3/4"	.80	370004	29.00	26.50	370027	40.50	36.50	370052	40.50	36.50	370077	45.00	42.00	370102	40.50	36.50
2 1/2"	12"	1 3/4"	.80	370005	29.00	26.50	370028	40.50	36.50	370053	40.50	36.50	370078	45.00	42.00	370103	40.50	36.50
3"	12"	1 3/4"	.85	370006	29.00	26.50	370029	40.50	36.50	370054	40.50	36.50	370079	45.00	42.00	370104	40.50	36.50
3 1/2"	12"	1 3/4"	.80	370007	29.00	26.50	370030	40.50	36.50	370055	40.50	36.50	370080	45.00	42.00	370105	40.50	36.50
4"	12"	1 3/4"	.75	370008	29.00	26.50	370031	40.50	36.50	370056	40.50	36.50	370081	45.00	42.00	370106	40.50	36.50
4 3/8"	12"	1 3/4"	.75	370009	29.00	26.50	370032	40.50	36.50	370057	40.50	36.50	370082	45.00	42.00	370107	40.50	36.50
5"	12"	1 3/4"	.75	370010	29.00	26.50	370033	40.50	36.50	370058	40.50	36.50	370083	45.00	42.00	370108	40.50	36.50
5 1/2"	12"	1 3/4"	.70	370011	29.00	26.50	370034	40.50	36.50	370059	40.50	36.50	370084	45.00	42.00	370109	40.50	36.50
6"	12"	1 3/4"	.65	370012	29.00	26.50	370035	40.50	36.50	370060	40.50	36.50	370085	45.00	42.00	370110	40.50	36.50
5"	16"	2 1/8"	1.4	370633	49.00	45.00	370634	61.00	56.00	370635	61.00	56.00	370636	71.00	65.00	370637	61.00	56.00
6"	16"	2 1/8"	1.4	370013	49.00	45.00	370036	61.00	56.00	370061	61.00	56.00	370086	71.00	65.00	370111	61.00	56.00
7"	16"	2 1/8"	1.4	370014	49.00	45.00	370037	61.00	56.00	370062	61.00	56.00	370087	71.00	65.00	370112	61.00	56.00
8"	16"	2 1/8"	1.3	370015	49.00	45.00	370038	61.00	56.00	370063	61.00	56.00	370088	71.00	65.00	370113	61.00	56.00
7"	22"	3 5/8"	2.5	370016	101.00	92.00	370039	130.00	119.00	370064	130.00	119.00	370089	141.00	127.00	370114	130.00	119.00
8"	22"	3 5/8"	2.7	370017	101.00	92.00	370040	130.00	119.00	370065	130.00	119.00	370090	141.00	127.00	370115	130.00	119.00
10"	22"	3 5/8"	2.9	370018	101.00	92.00	370041	130.00	119.00	370066	130.00	119.00	370091	141.00	127.00	370116	130.00	119.00
8"	30"	4 1/4"	5.9	370019	235.00	212.00	370042	302.00	276.00	370067	302.00	276.00	370092	314.00	284.00	370117	302.00	276.00
10"	30"	4 1/4"	5.4	370020	235.00	212.00	370043	302.00	276.00	370068	302.00	276.00	370093	314.00	284.00	370118	302.00	276.00
12"	30"	4 1/4"	5.3	370021	235.00	212.00	370044	302.00	276.00	370069	302.00	276.00	370094	314.00	284.00	370119	302.00	276.00
8"	38"	4 3/4"	7.5	370022	604.00	537.00	370045	671.00	604.00	370070	671.00	604.00	370095	725.00	653.00	370120	671.00	604.00
10"	38"	4 3/4"	6.9	370023	604.00	537.00	370046	671.00	604.00	370071	671.00	604.00	370096	725.00	653.00	370121	671.00	604.00
12"	38"	4 3/4"	6.7	370024	604.00	537.00	370047	671.00	604.00	370072	671.00	604.00	370097	725.00	653.00	370122	671.00	604.00



SATIN

HIGH PROFILE 'TRUMPET' ALUMINUM FLASH COLLARS

Trumpet collars are generally used with flagpoles where a shoe base is welded to the bottom; however, these collars can be used on standard in-ground mounted flagpoles if a higher profile is desired. Supplied in a standard wall thickness of .060". The chart below contains the combinations most commonly requested. For other combinations please contact us.

POLE DIA.	OUTSIDE DIA.	HT.	LBS.	SATIN			CLEAR			BRONZE #313			BLACK			WHITE		
				ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
2 3/8"	10"	3 1/2"	1.5	370468	\$47	\$43	370478	\$59	\$54	370488	\$59	\$54	370498	\$67	\$59	370508	\$59	\$54
3"	10"	2 3/4"	1.5	370469	47	43	370479	59	54	370489	59	54	370499	67	59	370509	59	54
3"	16"	5 3/4"	1.5	370470	76	70	370480	95	87	370490	95	87	370500	107	100	370510	95	87
4"	16"	5 3/4"	1.8	370471	76	70	370481	95	87	370491	95	87	370501	107	100	370511	95	87
5"	16"	6 1/4"	1.7	370472	76	70	370482	95	87	370492	95	87	370502	107	100	370512	95	87
6"	16"	7 1/8"	1.7	370473	76	70	370483	95	87	370493	95	87	370503	107	100	370513	95	87
7"	16"	7 1/8"	1.6	370474	76	70	370484	95	87	370494	95	87	370504	107	100	370514	95	87
8"	16"	7 1/8"	1.6	370475	76	70	370485	95	87	370495	95	87	370505	107	100	370515	95	87
10"	22"	8 1/4"	3.3	370476	153	137	370486	174	159	370496	174	159	370506	189	172	370516	174	159
12"	26"	11"	4.9	370477	302	276	370487	339	302	370497	339	302	370507	353	314	370517	339	302

All Flash Collars on page 182 can be mixed to achieve the higher quantity pricing.

STANDARD PROFILE SPLIT ALUMINUM FLASH COLLARS WITH .060" WALL THICKNESS

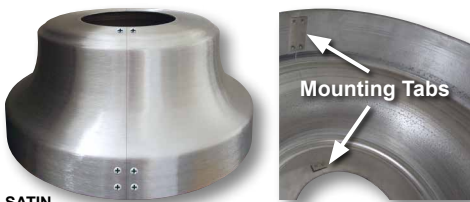


SATIN

A split collar can be useful when replacing or adding a collar to an installed flagpole without removing the pole from the foundation sleeve. The collar is split in half and mounting tabs with screws are installed on the under side of the collar. The quantity and size of the mounting tabs may vary depending on the size of the flash collar ordered.

POLE OUTSIDE				SATIN			CLEAR			BRONZE #313			BLACK			WHITE		
DIA.	DIA.	HT.	LBS.	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
2"	8"	2 1/4"	.55	370233	\$111	\$102	370643	\$113	\$111	370281	\$113	\$111	370306	\$122	\$118	370331	\$113	\$111
2 3/8"	8"	2 1/4"	.50	370234	111	102	370258	113	111	370282	113	111	370307	122	118	370332	113	111
2 1/2"	8"	2 1/4"	.50	370235	111	102	370644	113	111	370283	113	111	370308	122	118	370333	113	111
2"	12"	1 3/4"	.85	370236	113	111	370259	122	118	370284	122	118	370309	126	123	370334	122	118
2 3/8"	12"	1 3/4"	.85	370237	113	111	370260	122	118	370285	122	118	370310	126	123	370335	122	118
2 1/2"	12"	1 3/4"	.85	370238	113	111	370261	122	118	370286	122	118	370311	126	123	370336	122	118
3"	12"	1 3/4"	.90	370239	113	111	370262	122	118	370287	122	118	370312	126	123	370337	122	118
3 1/2"	12"	1 3/4"	.85	370240	113	111	370263	122	118	370288	122	118	370313	126	123	370338	122	118
4"	12"	1 3/4"	.80	370241	113	111	370264	122	118	370289	122	118	370314	126	123	370339	122	118
4 3/8"	12"	1 3/4"	.80	370242	113	111	370265	122	118	370290	122	118	370315	126	123	370340	122	118
5"	12"	1 3/4"	.80	370243	113	111	370266	122	118	370291	122	118	370316	126	123	370341	122	118
5 1/2"	12"	1 3/4"	.75	370244	113	111	370267	122	118	370292	122	118	370317	126	123	370342	122	118
6"	12"	1 3/4"	.70	370245	113	111	370268	122	118	370293	122	118	370318	126	123	370343	122	118
5"	16"	2 5/8"	1.9	370645	131	126	370646	145	140	370647	145	140	370648	155	148	370649	145	140
6"	16"	2 5/8"	1.9	370246	131	126	370269	145	140	370294	145	140	370319	155	148	370344	145	140
7"	16"	2 5/8"	1.9	370247	131	126	370270	145	140	370295	145	140	370320	155	148	370345	145	140
8"	16"	2 5/8"	1.8	370248	131	126	370271	145	140	370296	145	140	370321	155	148	370346	145	140
7"	22"	3 5/8"	3.0	370249	189	177	370272	223	212	370297	223	212	370322	229	216	370347	223	212
8"	22"	3 5/8"	3.2	370250	189	177	370273	223	212	370298	223	212	370323	229	216	370348	223	212
10"	22"	3 5/8"	3.4	370251	189	177	370274	223	212	370299	223	212	370324	229	216	370349	223	212
8"	30"	4 1/4"	6.4	370252	327	301	370275	394	367	370300	394	367	370325	406	376	370350	394	367
10"	30"	4 1/4"	5.9	370253	327	301	370276	394	367	370301	394	367	370326	406	376	370351	394	367
12"	30"	4 1/4"	5.8	370254	327	301	370277	394	367	370302	394	367	370327	406	376	370352	394	367
8"	38"	4 3/4"	8.0	370255	672	607	370278	737	672	370303	737	672	370328	789	720	370353	737	672
10"	38"	4 3/4"	7.4	370256	672	607	370279	737	672	370304	737	672	370329	789	720	370354	737	672
12"	38"	4 3/4"	7.2	370257	672	607	370280	737	672	370305	737	672	370330	789	720	370355	737	672

HIGH PROFILE SPLIT 'TRUMPET' ALUMINUM FLASH COLLARS



SATIN

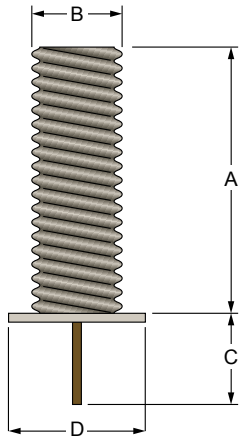
Trumpet collars are generally used with flagpoles where a shoe base is welded to the bottom; however, these collars can be used on standard in-ground mounted flagpoles if a higher profile is desired. A split collar can be useful when replacing or adding a collar to an installed flagpole without removing the pole from the foundation sleeve. The collar is split in half and mounting tabs with screws are installed on the under side of the collar. The quantity and size of the mounting tabs may vary depending on the size of the flash collar ordered. Supplied in a standard wall thickness of .060". The chart below contains the combinations most commonly requested. For other combinations please contact us.

POLE OUTSIDE				SATIN			CLEAR			BRONZE #313			BLACK			WHITE		
DIA.	DIA.	HT.	LBS.	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
2 5/8"	10"	3 1/2"	2.0	370518	\$145	\$140	370528	\$160	\$154	370538	\$160	\$154	370548	\$167	\$160	370558	\$160	\$154
3"	10"	2 3/4"	2.0	370519	145	140	370529	160	154	370539	160	154	370549	167	160	370559	160	154
3"	16"	5 3/4"	2.0	370520	176	168	370530	195	185	370540	195	185	370550	205	195	370560	195	185
4"	16"	5 3/4"	2.3	370521	176	168	370531	195	185	370541	195	185	370551	205	195	370561	195	185
5"	16"	6 1/4"	2.2	370522	176	168	370532	195	185	370542	195	185	370552	205	195	370562	195	185
6"	16"	7 1/8"	2.2	370523	176	168	370533	195	185	370543	195	185	370553	205	195	370563	195	185
7"	16"	7 1/8"	2.1	370524	176	168	370534	195	185	370544	195	185	370554	205	195	370564	195	185
8"	16"	7 1/8"	2.1	370525	176	168	370535	195	185	370545	195	185	370555	205	195	370565	195	185
10"	22"	8 1/4"	3.8	370526	249	233	370536	275	255	370546	275	255	370556	291	278	370566	275	255
12"	26"	11"	5.4	370527	394	365	370537	434	394	370547	434	394	370557	447	405	370567	434	394

FLAGPOLE SLEEVES, LIGHTS & MISC.

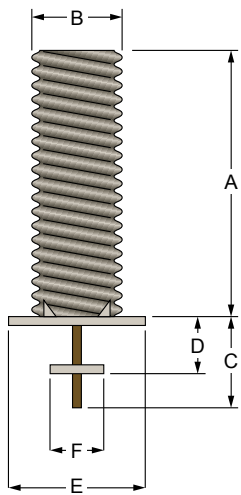
GALVANIZED STEEL FOUNDATION SLEEVES

The most common type of flagpole installation is the in-ground foundation sleeve method which calls for 1' of the flagpole to be encased in the ground sleeve for each 10' of exposed flagpole height. The diameter of the sleeve should be at least 2" greater than the outside diameter of the flagpole with the area between the flagpole and the sleeve filled with dry sand. Sleeves with a 6" diameter are supplied with a base plate and grounding spike. Sleeves with a diameter of greater than 6" are supplied with a base plate, support plate, grounding spike and, for ease of vertical alignment, steel centering wedges welded to the inside of the base plate. If you require other sizes than listed or have special on-site conditions please contact us.



WITH BASE PLATE & GROUND SPIKE

ITEM #	A	B	C	D	1-5	6+	LBS.
380000	2'	6"	6"	8"	\$83	\$77	20
380002	3'	6"	6"	8"	100	96	24



WITH BASE PLATE, SUPPORT PLATE, GROUNDING SPIKE & STEEL CENTERING WEDGES

ITEM #	A	B	C	D	E	F	1-5	6+	LBS.
380003	3'	8"	18"	6"	12"	6"	\$141	\$129	30
380004	3-1/2'	8"	18"	6"	12"	6"	144	133	32
380005	3'	10"	18"	6"	16"	8"	155	146	37
380006	3-1/2'	10"	18"	6"	16"	8"	165	158	44
380007	4'	12"	18"	6"	16"	8"	223	212	55
380196	4-1/2'	12"	18"	6"	16"	8"	240	225	60
380008	5'	12"	18"	6"	18"	9"	261	248	70
380009	5'	15"	18"	6"	20"	10"	464	440	86
380010	6'	15"	18"	10"	20"	10"	536	511	122
380011	6'	18"	24"	10"	24"	12"	595	564	135
380012	7'	15"	24"	12"	24"	12"	595	564	141
380013	7'	18"	24"	12"	24"	12"	690	655	156
380014	8'	18"	24"	12"	24"	12"	737	702	160

PVC SLEEVES

Poles slip into form fit sleeves snugly - no voids to fill with sand. Standard sleeves require wood wedges & sand for a proper installation.



ITEM #	FOR POLE DIA.	LEN.	TYPE	1-5	6+	LBS.
380015	1-3/8"	12"	FORM FIT	\$6.70	\$5.90	.14
380016	1-5/8"	15"	FORM FIT	7.90	7.20	.20
380017	1-3/4"	20"	FORM FIT	9.20	8.30	.26
380018	2"	15"	FORM FIT	11.90	10.60	.25
380020	2"	20"	FORM FIT	13.00	11.90	.34
380021	2-1/2"	30"	FORM FIT	17.30	16.30	1.1
380022	3"	20"	FORM FIT	21.20	20.20	.95
380023	3"-3 1/2"	24"	STANDARD	18.70	17.80	1.6
380024	3"-3 1/2"	30"	STANDARD	25.80	24.80	1.9

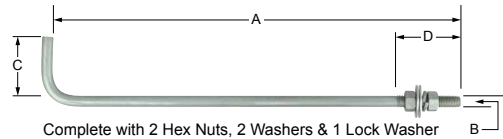
SLEEVES FOR FIBERGLASS FLAGPOLES



ITEM #	LENGTH	DIAMETER	1-5	6+	LBS.
380025	18"	6.3"	\$34	\$32	1.1
380026	24"	5"	46	43	1.4
380194	30"	6.3"	48	45	2.2
380195	30"	9-1/4"	97	87	4.0
380027	36"	8"	97	87	4.4
380029	48"	8"	123	111	6.2
380030	60"	14"	353	320	18
380031	72"	14"	452	406	27
380032	84"	21"	982	917	34

GALVANIZED STEEL ANCHOR BOLTS

For Shoe Base Installations



ITEM #	A	B	C	D	1-5	6+	LBS.
380037	16"	5/8"	3-1/2"	4"	\$25	\$23	2.4
380038	24"	3/4"	4"	5"	26	24	3.5
380039	36"	1"	4"	6"	41	39	8.4
380040	40"	1"	4"	6"	49	47	9.0
380041	54"	1-1/4"	6"	8"	126	115	29

COPPER CLAD LIGHTNING KIT

Each kit contains 5' long by 1/2" diameter copper clad rod, one 3' long by 1/2" diameter copper wire plus one connecting bracket.



COMPLETE SET

ITEM #	1-5	6+	LBS.
380033	\$117	\$105	4.5

5' x 1/2" ROD ONLY

ITEM #	PRICE	LBS.
380035	\$65	1.2

WIRE ONLY

ITEM #	PER FOOT	LBS.
380034	\$8.90	.36

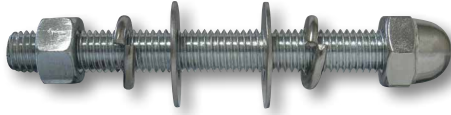
BRACKET ONLY

ITEM #	1-5	6+	LBS.
380036	\$36	\$33	.36

THRU WALL BOLTS

For Mounting Outrigger & Vertical Wall Mount Brackets

Zinc plated steel complete with one acorn nut, one hex nut, two washers & two lock washers.



ITEM #	SIZE	COLOR	1-5	6+	LBS
380048	5/8" x 6"	SILVER	\$15.00	\$14.00	.75
380049	5/8" x 12"	SILVER	18.00	17.00	1.2
380050	5/8" x 18"	SILVER	17.00	16.00	1.7
380051	5/8" x 24"	SILVER	17.00	16.00	2.1
380052	5/8" x 30"	SILVER	19.00	18.00	2.5
380053	5/8" x 36"	SILVER	21.50	19.00	2.9

MOUNTING BOLTS WITH EXPANSION SHIELDS

For Mounting Outrigger & Vertical Wall Mount Brackets

Zinc plated steel complete with one acorn nut, one washer & one lock washer.



ITEM #	SIZE	COLOR	1-5	6+	LBS
380103	5/8" x 6"	SILVER	\$17.00	\$16.00	.81



TUNNEL LIGHTS

Sold in sets only – 18" long by 6" diameter aluminum cylinders. Fixtures accept 150 watt flood lamps for up, down or up/down lighting (lamps not included in pricing below). See table below for wiring set-up cost not included in tunnel light pricing.

ADD ON FOR FACTORY SET-UP OF WIRING	POLE TYPE	ACCESS DOOR	PRICE
	EXTERNAL	YES	\$660.00
	INTERNAL	NO	420.00
	INTERNAL	YES	790.00

Electrical access doors can only be supplied on 5" and larger diameter poles. Minimum wall thickness .156. For tunnel lights with access door, please allow 8-10 weeks of lead time.

FOR POLE DIA.	LBS	SILVER			CLEAR			BRONZE #313			WHITE			BLACK		
		ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
5"	18	380112	\$1,030	\$930	380119	\$1,180	\$1,060	380126	\$1,180	\$1,060	380133	\$1,180	\$1,060	380140	\$1,180	\$1,060
5-1/2"	18	380113	1,030	930	380120	1,180	1,060	380127	1,180	1,060	380134	1,180	1,060	380141	1,180	1,060
6"	18	380114	1,030	930	380121	1,180	1,060	380128	1,180	1,060	380135	1,180	1,060	380142	1,180	1,060
7"	18	380115	1,030	930	380122	1,180	1,060	380129	1,180	1,060	380136	1,180	1,060	380143	1,180	1,060
8"	18	380116	1,030	930	380123	1,180	1,060	380130	1,180	1,060	380137	1,180	1,060	380144	1,180	1,060
10"	18	380117	1,180	1,060	380124	1,300	1,180	380131	1,300	1,180	380138	1,300	1,180	380145	1,300	1,180
12"	18	380118	1,180	1,060	380125	1,300	1,180	380132	1,300	1,180	380139	1,300	1,180	380146	1,300	1,180

TUNNEL LIGHT REPLACEMENT LENS



ITEM #	1-5	6+	LBS
380190	\$130	\$120	.33

LIGHTWEIGHT FLOODLIGHTS

These lights fit on any diameter pole and are supplied with a 75 watt halogen flood lamp.



ADD ON FOR FACTORY SET-UP OF WIRING	POLE TYPE	ACCESS DOOR	PRICE
	EXTERNAL	NO	\$280.00
	EXTERNAL	YES	490.00
	INTERNAL	NO	390.00
	INTERNAL	YES	600.00

Electrical access doors can only be supplied on 5" and larger diameter poles. Minimum wall thickness .156. For floodlights with access door, please allow 8-10 weeks of lead time.

MODEL	ITEM #	COLOR	1-5	6+	LBS.
LWFL SIL	380192	SILVER	\$330	\$320	2.0
LWFL BR	380147	BRONZE	330	320	2.0
LWFL BL	380193	BLACK	330	320	2.0

OBSTRUCTION (BEACON) LIGHT

This light measures 8-3/4" x 4-1/2" and is ideal for taller flagpoles near airports or flight paths. Lamp bulb is not included. Set-up of flagpole to accept this lighting fixture can be done at the factory; call for pricing. Contact us for pricing on LED version of this obstruction light.



MODEL	ITEM #	1-5	6+	LBS.
OL-R	380148	\$400	\$380	2.8

FLAGPOLE SLEEVES, LIGHTS & MISC.

NON-TANGLE RODS

For Wall Mounted Outrigger Flagpoles

Constructed of 3/8" diameter stainless steel rod. All sizes are supplied complete with a stainless steel fitting which attaches to the grommet of the flag. 30" and 48" long rods are supplied with one stainless steel fitting which attaches to the bottom edge of the flag while the 72" and 84" rods are supplied with three stainless steel fittings which attach to the bottom edge of the flag. **Note: A reinforcing patch must be sewn into the flag in order for the flag clamp to properly attach. Rope and flag must be routinely inspected for wear and loose connections to avoid property damage and/or personal injury.**



MODEL	ITEM #	LENGTH	FOR FLAG SIZE	1-5	6+	LBS.
NTR-30	390000	30"	3' x 5' or 4' x 6'	\$150	\$140	1.6
NTR-48	390001	48"	5' x 8'	165	150	2.3
NTR-72	390002	72"	6' x 10'	230	210	3.1
NTR-84	390003	84"	8' x 12'	240	220	4.3

Non-Tangle Rods can be mixed to achieve the higher quantity pricing.

FLAGPOLE PLAQUES



Engraved brass plaques are available and are curved to fit the butt diameter of the flagpole. Letter styles available are block or roman style. The plaques are supplied with stainless steel rivets which are included.

Please specify flagpole base diameter when ordering.

BLOCK
STYLE
LETTERING

ROMAN
STYLE
LETTERING

POLE DIAMETER	PRICE
3-1/2" AND SMALLER	\$95.00 + \$4.50 PER LETTER
4" THROUGH 8"	\$120.00 + \$4.50 PER LETTER
GREATER THAN 8"	CALL FOR PRICING

TOUCH-UP PAINT

12 oz. Aerosol Spray



MODEL	ITEM #	COLOR	1-5	6+
TUP-AL	390006	ALUMINUM	\$38	\$36
TUP-311	390007	LIGHT BRONZE #311	38	36
TUP-312	390008	MED. BRONZE #312	38	36
TUP-313	390009	DARK BRONZE #313	38	36
TUP-BL	390010	BLACK	38	36
TUP-WH	390011	WHITE	38	36
TUP-G	390012	GOLD	38	36

Weight for each can is approximately 1.0 lbs.
Aerosol sprays cannot be shipped by air freight.

5' FLAGPOLE MOCK-UPS

POLE TYPE	MODEL	ITEM #	PRICE	LBS.
EXTERNAL HALYARD	FMU-X	390013	\$450	19
VANGUARD INTERNAL HALYARD	FMU-Y	390014	570	22
M-WINCH INTERNAL HALYARD	FMU-M	390015	1,040	25

EXTERNAL
HALYARD

VANGUARD
INTERNAL
HALYARD

M-WINCH
INTERNAL
HALYARD

