

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	\$26	\$21	—	—	—	—	—	—
SB103	3"	1/2"-13NC	.30	330000	38	34	330007	\$49	\$48	330082	\$47	\$45
SB104	4"	1/2"-13NC	.45	330001	48	46	330008	64	59	330083	57	54
SB105	5"	1/2"-13NC	.60	330002	56	51	330009	74	68	330084	61	57
SB106	6"	1/2"-13NC	.80	330003	70	62	330010	104	93	330085	82	73
SB108	8"	1/2"-13NC	1.4	330004	126	116	330011	159	144	330086	130	123
SB110	10"	5/8"-11NC	2.2	330005	238	213	330012	245	228	330087	227	218
SB112	12"	5/8"-11NC	3.1	330006	303	278	330013	308	278	330088	268	264

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	\$51	\$49	330021	\$51	\$49	330028	\$51	\$49
SB104	4"	1/2"-13NC	.45	330015	65	59	330022	65	59	330029	65	59
SB105	5"	1/2"-13NC	.60	330016	76	73	330023	76	73	330030	76	73
SB106	6"	1/2"-13NC	.80	330017	104	93	330024	104	93	330031	104	93
SB108	8"	1/2"-13NC	1.4	330018	162	146	330025	162	146	330032	162	146
SB110	10"	5/8"-11NC	2.2	330019	294	267	330026	294	267	330033	294	267
SB112	12"	5/8"-11NC	3.1	330020	363	329	330027	363	329	330034	363	329



Satin



Mirror

STAINLESS STEEL BALL ORNAMENTS

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	\$296	\$270	330041	\$376	\$338
SS105	5"	1/2"-13NC	2.0	330036	364	331	330042	446	399
SS106	6"	1/2"-13NC	2.5	330037	376	341	330043	477	420
SS108	8"	1/2"-13NC	4.1	330038	473	428	330044	571	518
SS110	10"	5/8"-11NC	6.1	330039	656	591	330045	802	720
SS112	12"	5/8"-11NC	7.8	330040	805	729	330046	940	860



GOLD LEAF COPPER BALL ORNAMENTS

MODEL	ITEM #	DIA.	SPINDLE THREADING	1-5	6+	LBS.
GL104	330047	4"	1/2"-13NC	\$383	\$345	1.5
GL105	330048	5"	1/2"-13NC	450	427	2.0
GL106	330049	6"	1/2"-13NC	550	526	2.6
GL108	330050	8"	5/8"-11NC	1,005	958	4.2
GL110	330051	10"	5/8"-11NC	1,495	1,431	7.7
GL112	330052	12"	5/8"-11NC	2,201	2,093	8.1



COPPER BALL ORNAMENTS

MODEL	ITEM #	DIA.	SPINDLE THREADING	1-5	6+	LBS.
CB104	330091	4"	1/2"-13NC	\$242	\$230	1.5
CB105	330092	5"	1/2"-13NC	303	288	2.0
CB106	330093	6"	1/2"-13NC	362	345	2.5
CB108	330094	8"	5/8"-11NC	477	456	4.1
CB110	330095	10"	5/8"-11NC	702	668	4.9
CB112	330096	12"	5/8"-11NC	1,183	1,124	6.5

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

ALUMINUM FLYING EAGLES



E-11 Gold



E-16 Gold

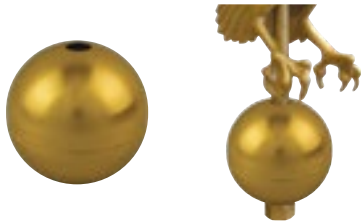


E-24 Gold

MODEL	WING SPAN	HEIGHT	SPINDLE THREADING	LBS.	GOLD		
					ITEM #	1-5	6+
E-11	11-1/4"	12"	1/2"-13NC	2.7	330055	\$173	\$164
E-16	15"	18"	1/2"-13NC	5.4	330056	218	204
E-24	24"	10"	1/2"-13NC	6.4	330057	381	347

GOLD ANODIZED ALUMINUM GLOBE FOR E-16 EAGLE

Slips Over The Spindle of the E-16 Eagle



ITEM #	DIAMETER	PRICE	LBS.
330090	3"	\$27.80	.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	\$62.00	1.4
E-9PC	330098	9-1/4"	7-1/4"	1/2"-13NC	107.00	2.0
E-12PC	330097	12"	8-1/2"	1/2"-13NC	112.00	3.3



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	\$159	\$146	1.3
PC12	330079	13"	6-3/4"	1/2"-13NC	220	204	1.7



ALUMINUM BOTONÉE CROSSES

Painted Gold

MODEL	ITEM #	CROSS HT.	CROSS WIDTH	SPINDLE THREADING	1-5	6+	LBS.
BC12	330081	12"	12"	5/8"-11NC	\$264	\$237	6.8



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)

For External Halyard Poles • Cap Style • 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+
ST-1-38	1-3/8"	1.0	340000	\$43.50	\$40.00	340005	\$49.50	\$44.50	340010	\$49.50	\$44.50	340015	\$49.50	\$44.50
ST-1-12	1-1/2"	1.0	340001	43.50	40.00	340006	49.50	44.50	340011	49.50	44.50	340016	49.50	44.50
ST-1-34	1-3/4"	.90	340002	43.50	40.00	340007	49.50	44.50	340012	49.50	44.50	340017	49.50	44.50
ST-1-16	1-15/16"	.80	340003	43.50	40.00	340008	49.50	44.50	340013	49.50	44.50	340018	49.50	44.50
ST-1-20	2"	.80	340004	43.50	40.00	340009	49.50	44.50	340014	49.50	44.50	340019	49.50	44.50



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)

For External Halyard Poles • Cap Style • Stationary • 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+
ST-3	1-7/8"	1.9	340040	\$88	\$80	340042	\$94	\$88	340044	\$94	\$88	340046	\$94	\$88
ST-2	2-3/8"	1.7	340041	88	80	340043	94	88	340045	94	88	340047	94	88



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)

For External Halyard Poles • Cap Style • 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+
OT178	1-7/8"	.60	340364	\$40.00	\$37.50	340365	\$44.50	\$41.00	340366	\$44.50	\$41.00	340367	\$44.50	\$41.00
OTH	2"	.55	340056	40.00	37.50	340062	44.50	41.00	340068	44.50	41.00	340074	44.50	41.00
OT1	2-3/8"	.95	340057	55.50	44.50	340063	60.00	56.00	340069	60.00	56.00	340075	60.00	56.00
OT25	2-1/2"	.95	340058	57.50	49.50	340064	67.00	58.00	340070	67.00	58.00	340076	67.00	58.00
OT2	2-3/4"	1.5	340059	61.50	54.50	340065	70.00	60.00	340071	70.00	60.00	340077	70.00	60.00
OT3	3"	1.3	340060	68.50	57.50	340066	75.00	67.00	340072	75.00	67.00	340078	75.00	67.00
OT325	3-1/4"	1.2	340343	70.00	59.00	340344	78.00	75.00	340345	78.00	75.00	340346	78.00	75.00
OT35	3-1/2"	1.8	340061	74.50	69.50	340067	80.00	76.00	340073	80.00	76.00	340079	80.00	76.00



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

For External Halyard Poles • Cap Style • Revolving • 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+
RTC-1-138	1-3/8"	1.8	340351	\$150	\$134	340308	\$167	\$149	340309	\$167	\$149	340352	\$167	\$149
RTC-1-2	2"	1.6	340104	150	134	340106	167	149	340108	167	149	340110	167	149
RTC-1-238	2-3/8"	1.9	340105	150	134	340107	167	149	340109	167	149	340111	167	149

* Truck Ornament Spindle can be supplied with other threading sizes if desired

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 123](#), 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	\$150	\$134	340310	\$167	\$149	340311	\$167	\$149	340354	\$167	\$149
RTC-2-2	2"	2.3	340120	150	134	340122	167	149	340124	167	149	340126	167	149
RTC-2-238	2-3/8"	2.6	340121	150	134	340123	167	149	340125	167	149	340127	167	149

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



For External Halyard Poles • Threaded • Revolving • 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+
RTS-1-125	3-1/2"	1.9	340136	\$123	\$111	340137	\$134	\$123	340138	\$134	\$123	340139	\$134	\$123

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



For External Halyard Poles • Threaded • Revolving • 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+
RTA-1-125	3-1/2"	2.0	340360	\$138	\$126	340361	\$148	\$138	340362	\$148	\$138	340363	\$148	\$138

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	\$134	\$123	340145	\$140	\$128	340146	\$140	\$128	340147	\$140	\$128

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 6" 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



For External Halyard Poles • Threaded • Revolving • 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+
HDT-1	6"	4.8	340335	\$284	\$258	340336	\$308	\$278	340337	\$308	\$278	340338	\$308	\$278

* Truck Ornament Spindle can be supplied with other threading sizes if desired

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



For External Halyard Poles • Threaded • Revolving • Double Pulley

HDT-2 SERIES

Same description as our HDT-1 Series on [page 124](#), except:

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

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	\$324	\$294	340153	\$350	\$317	340154	\$350	\$317	340155	\$350	\$317



For External Halyard Poles • Threaded • Revolving • Double Pulley

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

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	\$1,195	\$1,075	340162	\$1,265	\$1,140	340164	\$1,265	\$1,140	340166	\$1,265	\$1,140
XHDT-SS	STAINLESS STEEL	12	340161	2,300	2,060	340163	2,340	2,095	340165	2,340	2,095	340167	2,340	2,095



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)

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	\$102	\$93	340180	\$115	\$102	340182	\$115	\$102	340184	\$115	\$102
IH-1-35	3-1/2"	2.3	340179	135	125	340181	157	138	340183	157	138	340185	157	138



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.

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	\$357	\$325	340198	\$393	\$357	340206	\$393	\$357	340202	\$393	\$357
IHT-1	6-1/2"	6-1/2"	4"	6.4	340195	536	480	340199	582	525	340207	582	525	340203	582	525
IHT-2	7-1/2"	7-1/4"	5"	8.7	340196	646	581	340200	703	631	340208	703	631	340204	703	631
IHT-3	10-1/2"	8-1/2"	7-1/2"	13.6	340197	1,327	1,193	340201	1,471	1,321	340209	1,471	1,321	340205	1,471	1,321

* Truck Ornament Spindle can be supplied with other threading sizes if desired

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



Outside truck wall

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



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

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)

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	\$140	\$128	340313	\$158	\$140	340314	\$158	\$140	340315	\$158	\$140



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

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	\$226	\$204	340171	\$256	\$226	340172	\$256	\$226	340173	\$256	\$226



For External Halyard Poles • Slip Fit • 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 Stem:** designed to slip into a 3" outside diameter pole top. The truck is held in place by drilling thru the pole and securing the truck to the pole with screws and locktite (included)
- **Ornaments:** accepts spindle threading of 1/2"-13NC.

COLOR	ITEM #	FITS POLE DIA.	1-5	6+	LBS.
WHITE	340228	3" OUTSIDE DIA.	\$174	\$157	2.5



For Internal Halyard Poles • Slip Fit • 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 Stem:** designed to slip into a 3" outside diameter pole top. The truck is held in place by drilling thru the pole and securing the truck to the pole with screws and locktite (included)
- **Ornaments:** accepts spindle threading of 1/2"-13NC.

COLOR	ITEM #	FITS POLE DIA.	1-5	6+	LBS.
WHITE	340232	3" OUTSIDE DIA.	\$174	\$157	2.8

* Truck Ornament Spindle can be supplied with other threading sizes if desired

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



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.

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	\$86	\$80	340247	\$96	\$86	340256	\$96	\$86	340265	\$96	\$86
PTA-212	2-1/2"	.68	340239	86	80	340248	96	86	340257	96	86	340266	96	86
PTA-3	3"	1.0	340240	120	110	340249	130	119	340258	130	119	340267	130	119
PTA-312	3-1/2"	1.3	340241	120	110	340250	130	119	340259	130	119	340268	130	119
PTA-4	4"	1.6	340242	144	126	340251	156	140	340260	156	140	340269	156	140
PTA-412	4-1/2"	2.0	340243	144	126	340252	156	140	340261	156	140	340270	156	140
PTA-5	5"	2.4	340244	144	126	340253	156	140	340262	156	140	340271	156	140
PTA-512	5-1/2"	2.9	340245	188	168	340254	203	182	340263	203	182	340272	203	182
PTA-6	6"	3.8	340246	188	168	340255	203	182	340264	203	182	340273	203	182



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	\$34.00	\$30.50	340276	\$39.00	\$36.50	340278	\$39.00	\$36.50	340280	\$39.00	\$36.50
FC-212	2-1/2"	.60	340275	39.00	36.50	340277	42.00	39.50	340279	42.00	39.50	340281	42.00	39.50



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"	\$31.00	\$29.50	.02
STANDARD	340237	3-1/8"	1"	#8-32NC	ZINC PLATED STEEL	ZINC	ZINC	3/16"	9.30	8.50	.07

NYLON

ROPE PULLEYS



ALUMINUM



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	\$5.40	\$4.90	.01
340356*	1-1/2"	1/2"	NYLON	1/4"	1/4"	OTH, IH-1-35, OT35	7.50	6.50	.03
340355	1-1/2"	9/16"	NYLON	1/4"	1/4"	ST2, ST3, OT1, OT25, IH-1 INNER PULLEY INSERT	7.50	6.50	.03
340358	1-1/2"	3/4"	NYLON	1/4"	5/16"	RTS-1-125, RTC-1-138, RTC-1-2, RTC-1-238	7.90	7.50	.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	7.90	7.50	.04
340320	2"	1/2"	NYLON	1/4"	5/16"	OT2, OT3, OT325, IH-1-3, IHT-VS	6.50	5.90	.04
340359	2-1/2"	7/8"	ALUMINUM	1/2"	3/8"	HDT-1	37.50	34.00	.40
340305	3-3/4"	3/4"	ALUMINUM	1/2"	3/8"	HDT-2	38.00	35.00	.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	\$44.00	\$40.50	.60
340299	BRONZE #313	49.50	45.50	.60
340300	BLACK	49.50	45.50	.60
340301	WHITE	49.50	45.50	.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	\$46.50	\$42.50	.25
340307	5/8"-11NC	51.50	45.50	.25

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



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	\$15.20	\$13.80	350002	\$18.80	\$16.30	350004	\$18.80	\$16.30	350006	\$18.80	\$16.30
CL9	9"	2-3/4"	.55	350001	20.90	18.20	350003	23.00	20.80	350005	23.00	20.80	350007	23.00	20.80



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	\$7.80	\$7.40	350010	\$10.40	\$9.20	350012	\$10.40	\$9.20	350014	\$10.40	\$9.20
CLH	6"	1"	.06	350009	8.30	7.90	350011	11.40	10.90	350013	11.40	10.90	350015	11.40	10.90



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	\$156.00	\$146.00	350017	\$167.00	\$161.00	350018	\$167.00	\$161.00	350019	\$167.00	\$161.00



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"	\$5.90	\$5.40	.07
CLP-W	350021	WHITE	1-1/8"	5.90	5.40	.07

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



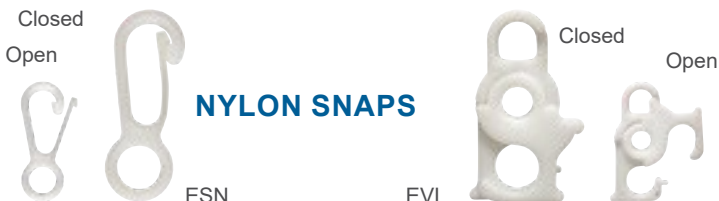
SOLID BRASS SWIVEL SNAPS

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
ESS	350124	3"	\$7.00	\$6.30	\$6.00	.13
ESSL	350125	3-3/4"	9.80	8.70	8.00	.17
ESSXL	350126	4-3/4"	16.70	14.80	14.00	.30



CHROME PLATED BRASS SWIVEL SNAP

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
ESSC	350128	3-1/2"	\$9.80	\$8.60	\$7.60	.13



NYLON SNAPS

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
ESN	350131	2-3/4"	\$1.24	\$1.18	\$1.12	.01
EVL	350132	3"	15.60	14.80	14.50	.04



SOLID BRASS DOUBLE SNAP

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
DS-4	350135	4"	\$8.50	\$7.60	\$6.90	.14



NICKEL PLATED ZINC SWIVEL SNAP

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
ESSZ	350127	3-1/2"	\$5.60	\$5.30	\$4.80	.10



STAINLESS STEEL SWIVEL SNAPS

MODEL	ITEM #	LENGTH	1-11	12-143	144+	LBS.
SSFS1	350129	3-3/4"	\$28.50	\$27.00	\$25.50	.13
SSFS2	350130	4-3/4"	35.00	32.50	31.00	.28



RUBBER COATED BRASS SWIVEL SNAPS

MODEL	ITEM #	LENGTH	COLOR	1-11	12-143	144+	LBS.
ESR-W	350133	3"	WHITE	\$16.10	\$15.20	\$12.80	.13
ESR-B	350134	3"	BROWN	16.80	16.10	13.50	.13



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"	\$37.00	\$35.00	\$32.00	.35



GRAY BROWN BLACK

VINYL SNAP COVERS

MODEL	ITEM #	COLOR	LEN.	DIA.	1-11	12-143	144+	LBS.
EVC-G	350137	GRAY	3-1/2"	1-1/4"	\$3.80	\$3.50	\$3.40	.05
EVC-B	350138	BROWN	3-1/2"	1-1/4"	3.80	3.50	3.40	.05
EVC-BL	350258	BLACK	3-1/2"	1-1/4"	3.80	3.50	3.40	.05
EVCXL-G	350139	GRAY	4-1/4"	1-1/2"	5.30	5.10	4.80	.08
EVCXL-B	350140	BROWN	4-1/4"	1-1/2"	5.30	5.10	4.80	.08
EVCXL-BL	350259	BLACK	4-1/4"	1-1/2"	5.30	5.10	4.80	.08

POLYESTER HALYARD – SOLID BRAIDED



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	\$0.43	350200	\$0.45	350204	\$0.45	350208	\$0.45
PH8	1/4"	.01	350196	0.47	350201	0.50	350205	0.50	350209	0.50
PH10	5/16"	.02	350197	0.54	350202	0.57	350206	0.57	350210	0.57
PH12	3/8"	.02	350198	0.66	350203	0.75	350207	0.75	350211	0.75

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 Foot



MODEL	FEET PER SPOOL	DIA.	LBS.	WHITE			SILVER		
				ITEM #	1-2 SPOOLS	3+ SPOOLS	ITEM #	1-2 SPOOLS	3+ SPOOLS
PH6	1,500	3/16"	16	350195	\$639	\$428	350200	\$666	\$510
PH8	1,000	1/4"	14	350196	461	321	350201	496	364
PH10	600	5/16"	11	350197	321	258	350202	341	278
PH12	600	3/8"	15	350198	396	300	350203	448	321
PH16	250	1/2"	16	350199	663	577	—	—	—

MODEL	FEET PER SPOOL	DIA.	LBS.	BRONZE #313			BLACK		
				ITEM #	1-2 SPOOLS	3+ SPOOLS	ITEM #	1-2 SPOOLS	3+ SPOOLS
PH6	1,500	3/16"	16	350204	\$666	\$510	350208	\$666	\$510
PH8	1,000	1/4"	14	350205	496	364	350209	496	364
PH10	600	5/16"	11	350206	341	278	350210	341	278
PH12	600	3/8"	15	350207	448	321	350211	448	321
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	\$6.50	—	—	—	—
PH6	30'	3/16"	.30	350142	13.50	350154	\$15.00	350166	\$15.00
PH6	40'	3/16"	.40	350143	18.00	—	—	350167	19.30
PH8	30'	1/4"	.34	—	—	350252	16.10	—	—
PH8	40'	1/4"	.45	350144	19.40	350156	22.50	350168	22.50
PH8	50'	1/4"	.65	350145	24.20	350157	26.50	350169	26.50
PH8	60'	1/4"	.75	350146	28.30	350158	30.80	350170	30.80
PH10	40'	5/16"	.90	—	—	350253	24.20	—	—
PH10	50'	5/16"	.90	350147	28.30	350159	30.80	350171	30.80
PH10	60'	5/16"	.95	350148	32.80	350160	34.60	350172	34.60
PH10	70'	5/16"	1.2	350149	36.70	350161	40.70	350173	40.70
PH10	80'	5/16"	1.4	350150	42.80	350162	44.80	350174	44.80
PH10	90'	5/16"	1.5	350151	46.70	350163	50.80	350175	50.80
PH10	100'	5/16"	1.5	350152	53.00	350164	56.90	350176	56.90
PH12	120'	3/8"	2.5	350153	65.40	350165	72.90	350177	72.90

PRE-BAGGED – Priced Per Foot





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. The winch is inserted into the pole and secured with a stainless steel bolt on the back side of the pole. Comes standard with lock and keys. 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 #	Price	ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE	ITEM #	PRICE
M-5	5" w/.125 WALL	1.3	360000	\$750	360009	\$790	360018	\$790	360027	\$790	360036	\$790
M-5	5" w/.156 or .188 WALL	1.3	360516	750	360517	790	360518	790	360519	790	360520	790
M-6	6"	2.1	360001	1,190	360010	1,230	360019	1,230	360028	1,230	360037	1,230
M-6H	6" w/.250 WALL	2.1	360501	1,190	360502	1,230	360503	1,230	360505	1,230	360504	1,230
M-7	7"	2.3	360002	1,190	360011	1,230	360020	1,230	360029	1,230	360038	1,230
M-8	8"	4.5	360003	1,330	360012	1,400	360021	1,400	360030	1,400	360039	1,400
M-10	10"	4.9	360004	1,400	360013	1,450	360022	1,450	360031	1,450	360040	1,450
M-10H	10"	4.9	360508	1,400	360509	1,450	360510	1,450	360512	1,450	360511	1,450
M-1034	10-3/4"	5.1	360005	1,620	360014	1,690	360023	1,690	360032	1,690	360041	1,690
M-12	12" w/.250 WALL	5.0	360466	1,620	360467	1,690	360468	1,690	360469	1,690	360470	1,690
M-12	12" w/.375 WALL	5.0	360006	1,620	360015	1,690	360024	1,690	360033	1,690	360042	1,690
M-1234	12-3/4"	7.9	360007	3,270	360016	3,300	360025	3,300	360034	3,300	360043	3,300
M-14	14"	8.1	360008	3,270	360017	3,300	360026	3,300	360035	3,300	360044	3,300



M-WINCH HANDLES

MODEL	ITEM #	FOR M-WINCH MODEL #	PRICE	LBS.
MH-5	360045	M-5	\$88.00	.50
MH-612	360046	M-6 THRU M-14	187.00	1.1

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



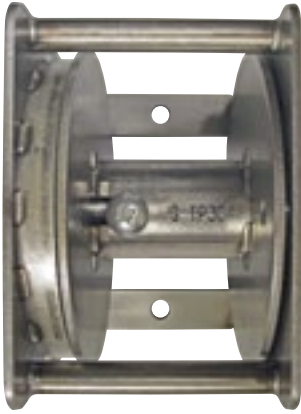
LOCK & KEY FOR M-WINCHES

MODEL	ITEM #	DESCRIPTION	PRICE	LBS.
M-L	360054	LOCK w/KEY	\$117.00	.08
M-K	360055	KEY ONLY*	16.00	.01

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

Products on Page 134 are intended for replacement parts for Eder Flag product only. The warranty on these products are only valid when used with factory installed Eder Flag shafts. Any after purchase service or warranty, must include invoice details for product and shaft.

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



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 stainless steel cable diameter is 1/8". Monthly lubrication required.

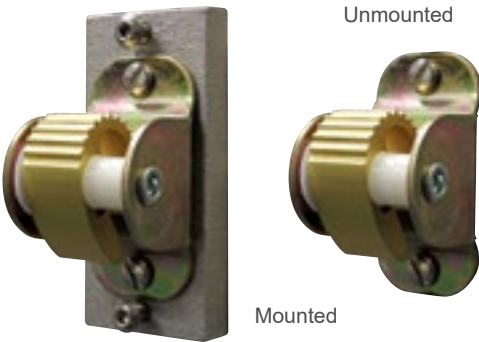
MODEL	ITEM #	SIZE	MIN. POLE OPENING		DRUM WIDTH	1-5	6+	LBS.
			HEIGHT	WIDTH				
SSW1	360047	SMALL	4-1/8"	3-1/8"	1-1/2"	\$760	\$730	3.5
SSW2	360048	LARGE	4-1/8"	3-5/8"	2"	760	730	3.8
SSW3	360049	X-LARGE	4-1/8"	6-5/8"	5"	1,310	1,210	4.8



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	\$73.00	\$68.00	1.3



Unmounted

Mounted

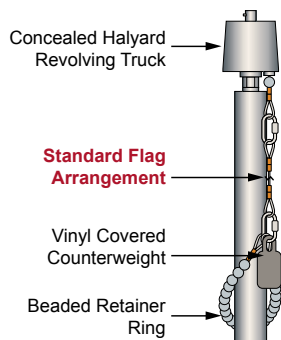
CAM ACTION CLEATS

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"	\$57.00	\$50.00	.50
360053	UNMOUNTED	2"	32.50	31.00	.25



Arrangement shown with 2 Quick Links



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	\$53	\$46	.35
FA2	360079	2' x 3'	2	65	61	.50
FA25	360080	2-1/2' x 4'	2	70	65	.55
FA3	360081	3' x 5'	2	73	66	.55
FA4	360082	4' x 6'	2	75	70	.60
FA5	360083	5' x 8' or 5' x 9-1/2'	2	79	73	.65
FA6	360084	6' x 10'	2	84	79	.65
FA8	360085	8' x 12'	2	174	153	.70
FA10	360086	10' x 15' or 10' x 19'	3	178	159	.95
FA12	360087	12' x 18'	3	190	174	1.0
FA15	360088	15' x 25'	3	195	182	1.1
FA20	360089	20' x 30' or 20' x 38'	3	203	184	1.3
FA25	360090	25' x 40'	3	221	200	2.0
FA30	360091	30' x 50' or 30' x 60'	3	228	203	2.8

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

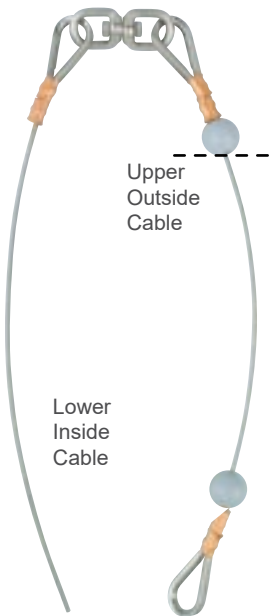


Shock spring and Safety Cable supplied with arrangements for 8' x 12' or larger flag sizes

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)	—	—	\$99	\$91	1.2
FA25	360475	2-1/2' x 4'	2	2 (STAINLESS STEEL SSFS-1)	—	—	110	96	1.3
FA3	360476	3' x 5'	2	2 (STAINLESS STEEL SSFS-1)	—	—	112	99	1.3
FA4	360477	4' x 6'	2	2 (STAINLESS STEEL SSFS-1)	—	—	117	107	1.3
FA5	360478	5' x 8' or 5' x 9-1/2'	2	2 (STAINLESS STEEL SSFS-1)	—	—	123	112	1.4
FA6	360479	6' x 10'	2	2 (STAINLESS STEEL SSFS-1)	—	—	135	123	1.4
FA8	360480	8' x 12'	3	2 (STAINLESS STEEL SSFS-2)	1	1	193	174	2.3
FA10	360481	10' x 15' or 10' x 19'	3	2 (STAINLESS STEEL SSFS-2)	1	1	195	178	2.6
FA12	360482	12' x 18'	3	2 (STAINLESS STEEL SSFS-2)	1	1	207	190	2.6
FA15	360483	15' x 25'	3	2 (STAINLESS STEEL SSFS-2)	1	1	213	195	2.7
FA20	360484	20' x 30' or 20' x 38'	3	2 (STAINLESS STEEL SSFS-2)	1	1	227	203	2.9
FA25	360485	25' x 40'	3	2 (STAINLESS STEEL SSFS-2)	1	1	233	207	3.6
FA30	360486	30' x 50' or 30' x 60'	3	2 (STAINLESS STEEL SSFS-2)	1	1	238	209	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 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"	17'	1/8"	17'	\$156	\$143	1.4
360332	25*	3/32"	21'	1/8"	21'	176	153	1.6
360057	25'	1/8"	21'	1/8"	21'	176	153	1.9
360333	30*	3/32"	27'	1/8"	27'	188	168	1.9
360058	30'	1/8"	27'	1/8"	27'	188	168	2.2
360334	35*	3/32"	31-1/2'	1/8"	31-1/2'	199	180	2.1
360059	35'	1/8"	31-1/2'	1/8"	31-1/2'	199	180	2.5
360060	40'	1/8"	37'	3/16"	37'	217	198	4.2
360061	45'	1/8"	42'	3/16"	42-1/2'	227	206	4.6
360062	50'	1/8"	46'	3/16"	46-1/2'	249	220	5.1
360063	60'	1/8"	56-1/2'	3/16"	57'	309	280	6.1
360064	70'	1/8"	66-1/2'	3/16"	67'	329	294	7.0
360065	78'	1/8"	74-1/2'	3/16"	75'	338	309	7.8
360066	80'	1/8"	76-1/2'	3/16"	77'	348	318	8.0
360067	90'	1/8"	86-1/2'	3/16"	87'	444	400	8.9
360068	100'	1/8"	96-1/2'	3/16"	97'	472	432	9.9
360069	110'	1/8"	106-1/2'	3/16"	107'	492	444	11
360070	120'	1/8"	116-1/2'	3/16"	117'	502	451	12
360071	130'	1/8"	126-1/2'	3/16"	127'	577	521	13
360072	140'	1/8"	136-1/2'	3/16"	137'	596	533	14
360073	150'	1/8"	146-1/2'	3/16"	147'	637	577	15
360074	160'	1/8"	156-1/2'	3/16"	157'	679	616	16
360075	170'	1/8"	166-1/2'	3/16"	167'	719	649	17
360076	180'	1/8"	176-1/2'	3/16"	177'	802	719	18
360077	190'	1/8"	186-1/2'	3/16"	187'	861	776	19
360078	200'	1/8"	196-1/2'	3/16"	197'	948	850	20

*To be used with 5" diameter poles with our M-5 Winch installed.

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	POLE BUTT DIA.	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	\$68	\$64	360194	\$79	\$73	360212	\$79	\$73	360488	\$79	\$73
RR6	34"	6"	1"	.80	360177	70	65	360195	82	75	360213	82	75	360489	82	75
RR7	38"	7"	1"	.85	360178	74	68	360196	84	79	360214	84	79	360490	84	79
RR8	42"	8"	1"	.90	360179	75	70	360197	89	80	360215	89	80	360491	89	80
RR10	50"	10"	1"	1.1	360180	82	75	360198	91	82	360216	91	82	360492	91	82
RR11	54"	11"	1"	1.2	360181	89	79	360199	103	91	360217	103	91	360493	103	91
RR12	58"	12"	1"	1.2	360182	91	82	360200	107	93	360218	107	93	360494	107	93
RR13	66-3/8"	13"	1" & 2"	2.5	360183	176	156									
RR14	70-1/2"	14"	1" & 2"	2.7	360184	188	168									
RR16	78-1/2"	16"	1" & 2"	3.1	360185	210	193									
RR18	86-1/2"	18"	1" & 2"	3.4	360186	245	219									
RR20	94-1/2"	20"	1" & 2"	3.8	360187	266	245									
RR22	102-1/2"	22"	1" & 2"	4.2	360188	293	266									
RR24	110-1/2"	24"	1" & 2"	4.6	360189	325	293									
RR30	134"	30"	1" & 2"	5.8	360190	383	347									
RR32	142"	32"	1" & 2"	6.2	360191	408	367									
RR34	152"	34"	1" & 2"	6.6	360192	450	408									
RR36	158"	36"	1" & 2"	7.0	360193	470	430									

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



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	\$1.12	\$0.96	.02
360267	1"	SILVER	1.22	1.14	.02
360268	1"	BRONZE	1.22	1.14	.02
360487	1"	BLACK	1.22	1.14	.02
360269	1-1/2"	WHITE	4.80	4.60	.06
360270	2"	WHITE	7.30	6.50	.15



6"



7" through 12"

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	\$238	\$226	360276	\$247	\$234	360335	\$247	\$234	360281	\$247	\$234	360286	\$247	\$234
IHD7	7"	.46	360272	238	226	360277	247	234	360336	247	234	360282	247	234	360287	247	234
IHD8	8"	.60	360273	238	226	360278	247	234	360337	247	234	360283	247	234	360288	247	234
IHD10	10"	.72	360274	270	265	360279	291	280	360338	291	280	360284	291	280	360289	291	280
IHD12	12"	.76	360275	270	265	360280	291	280	360339	291	280	360285	291	280	360290	291	280



Bend in Locking Tab

LOCK & KEYS FOR INTERNAL HALYARD DOORS

This lock is suited for any of the doors listed above.



Flat Locking Tab

LOCK & KEYS FOR DOOR & FRAME UNIT

MODEL	ITEM #	DESCRIPTION	1-5	6+	LBS.
IHCL	360291	LOCK w/2 KEYS	\$25.30	\$23.40	.14
IHDK	360292	KEY ONLY	10.90	10.60	.04

MODEL	ITEM #	DESCRIPTION	1-5	6+	LBS.
DFL	360303	LOCK w/2 KEYS	\$25.30	\$23.40	.14
DFK	360292	KEY ONLY	10.90	10.60	.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	\$245	\$213	—	—	—	360297	\$259	\$238	—	—	—	360301	\$259	\$238
NO CAM CLEAT	2.8	360294	193	178	360296	\$209	\$193	360298	209	193	360300	\$209	\$193	360302	209	193

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



CW7 & CW14

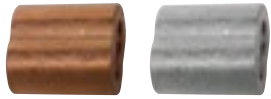


CW35

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			BLACK		
			ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+	ITEM #	1-5	6+
CW35	3-1/2"	3.3	360313	\$66	\$57	360316	\$66	\$57	360319	\$66	\$57	360513	\$66	\$57
CW7	7"	6.7	360314	89	80	360317	89	80	360320	89	80	360514	89	80
CW14	14"	13	360315	115	100	360318	115	100	360321	115	100	360515	115	100



CABLE & ROPE CRIMPS

MODEL	ITEM #	FOR CABLE OR ROPE DIA.	MATERIAL	1-5	6+	LBS.
CC3	360328	3/32"	COPPER	\$1.18	\$1.06	.01
CC1	360324	1/8"	COPPER	1.18	1.06	.02
CC2	360325	5/32"	COPPER	3.28	3.06	.02
ARC1	360326	1/4" - 5/16"	ALUMINUM	2.70	2.60	.02
ARC316	360500	3/16"	ALUMINUM	2.70	2.60	.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"	\$4.00	\$3.60	.02
IHTH-1	360322	1/8" - 5/32"	4.60	4.10	.02
IHTH-2	300238	1/8" - 5/32"	1.58	1.30	.02
IHTH-4	360471	5/16"	2.20	1.50	.05



QUICK LINK

Stainless Steel

MODEL	ITEM #	LENGTH	WIDTH	1-5	6+	LBS.
SSQL	360329	2-7/8"	1-3/8"	\$16.20	\$12.10	.20



COPPER CABLE STOP

MODEL	ITEM #	FOR CABLE DIAMETER	1-5	6+	LBS.
CS1	360327	1/8"	\$1.18	\$1.06	.01



CABLE SWIVEL CONNECTOR

Stainless Steel

MODEL	ITEM #	LENGTH	WIDTH	1-5	6+	LBS.
IHCSC	360323	2-3/4"	1-1/8"	\$9.30	\$8.90	.20
IHCSCS	360472	3-5/8"	1-3/8"	19.20	18.20	.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	\$19.20	\$17.30	.04
SCO	360093	SAFETY CABLE	12.60	11.30	.02



STAINLESS STEEL CABLE

Priced Per Foot

MODEL	ITEM #	DIAMETER	1'-199'	200'+	LBS.
SSC32	360330	3/32"	\$2.70	\$2.50	.10
SSC18	360094	1/8"	2.70	2.50	.10
SSC316	360095	3/16"	3.00	2.70	.10

STANDARD PROFILE ALUMINUM FLASH COLLARS WITH .060" WALL THICKNESS



Satin



Clear



Bronze



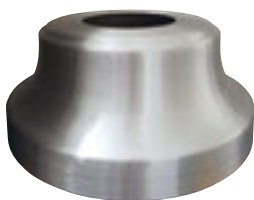
Black



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	\$38.00	\$35.00	320064	\$49.00	\$45.00	370048	\$49.00	\$45.00	370073	\$66.50	\$60.00	370098	\$49.00	\$45.00
2 3/8"	8"	2 1/4"	.45	370001	38.00	35.00	370025	49.00	45.00	370049	49.00	45.00	370074	66.50	60.00	370099	49.00	45.00
2 1/2"	8"	2 1/4"	.45	370002	38.00	35.00	320065	49.00	45.00	370050	49.00	45.00	370075	66.50	60.00	370100	49.00	45.00
2"	12"	1 1/4"	.80	370003	46.50	42.00	370026	66.50	60.00	370051	66.50	60.00	370076	74.00	69.50	370101	66.50	60.00
2 3/8"	12"	1 1/4"	.80	370004	46.50	42.00	370027	66.50	60.00	370052	66.50	60.00	370077	74.00	69.50	370102	66.50	60.00
2 1/2"	12"	1 1/4"	.80	370005	46.50	42.00	370028	66.50	60.00	370053	66.50	60.00	370078	74.00	69.50	370103	66.50	60.00
3"	12"	1 1/4"	.85	370006	46.50	42.00	370029	66.50	60.00	370054	66.50	60.00	370079	74.00	69.50	370104	66.50	60.00
3 1/2"	12"	1 1/4"	.80	370007	46.50	42.00	370030	66.50	60.00	370055	66.50	60.00	370080	74.00	69.50	370105	66.50	60.00
4"	12"	1 1/4"	.75	370008	46.50	42.00	370031	66.50	60.00	370056	66.50	60.00	370081	74.00	69.50	370106	66.50	60.00
4 3/8"	12"	1 1/4"	.75	370009	46.50	42.00	370032	66.50	60.00	370057	66.50	60.00	370082	74.00	69.50	370107	66.50	60.00
5"	12"	1 1/4"	.75	370010	46.50	42.00	370033	66.50	60.00	370058	66.50	60.00	370083	74.00	69.50	370108	66.50	60.00
5 1/2"	12"	1 1/4"	.70	370011	46.50	42.00	370034	66.50	60.00	370059	66.50	60.00	370084	74.00	69.50	370109	66.50	60.00
6"	12"	1 1/4"	.65	370012	46.50	42.00	370035	66.50	60.00	370060	66.50	60.00	370085	74.00	69.50	370110	66.50	60.00
5"	16"	2 1/8"	1.4	370633	80.00	75.00	370634	105.00	95.00	370635	105.00	95.00	370636	120.00	110.00	370637	105.00	95.00
6"	16"	2 1/8"	1.4	370013	80.00	75.00	370036	105.00	95.00	370061	105.00	95.00	370086	120.00	110.00	370111	105.00	95.00
7"	16"	2 1/8"	1.4	370014	80.00	75.00	370037	105.00	95.00	370062	105.00	95.00	370087	120.00	110.00	370112	105.00	95.00
8"	16"	2 1/8"	1.3	370015	80.00	75.00	370038	105.00	95.00	370063	105.00	95.00	370088	120.00	110.00	370113	105.00	95.00
7"	22"	3 5/8"	2.5	370016	163.00	148.00	370039	213.00	196.00	370064	213.00	196.00	370089	231.00	210.00	370114	213.00	196.00
8"	22"	3 5/8"	2.7	370017	163.00	148.00	370040	213.00	196.00	370065	213.00	196.00	370090	231.00	210.00	370115	213.00	196.00
10"	22"	3 5/8"	2.9	370018	163.00	148.00	370041	213.00	196.00	370066	213.00	196.00	370091	231.00	210.00	370116	213.00	196.00
8"	30"	4 1/4"	5.9	370019	390.00	353.00	370042	511.00	468.00	370067	511.00	468.00	370092	531.00	482.00	370117	511.00	468.00
10"	30"	4 1/4"	5.4	370020	390.00	353.00	370043	511.00	468.00	370068	511.00	468.00	370093	531.00	482.00	370118	511.00	468.00
12"	30"	4 1/4"	5.3	370021	390.00	353.00	370044	511.00	468.00	370069	511.00	468.00	370094	531.00	482.00	370119	511.00	468.00
8"	38"	4 3/4"	7.5	370022	1,049.00	931.00	370045	1,189.00	1,069.00	370070	1,189.00	1,069.00	370095	1,283.00	1,157.00	370120	1,189.00	1,069.00
10"	38"	4 3/4"	6.9	370023	1,049.00	931.00	370046	1,189.00	1,069.00	370071	1,189.00	1,069.00	370096	1,283.00	1,157.00	370121	1,189.00	1,069.00
12"	38"	4 3/4"	6.7	370024	1,049.00	931.00	370047	1,189.00	1,069.00	370072	1,189.00	1,069.00	370097	1,283.00	1,157.00	370122	1,189.00	1,069.00



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	\$76	\$70	370478	\$98	\$87	370488	\$98	\$87	370498	\$112	\$100	370508	\$98	\$87
3"	10"	2 3/4"	1.5	370469	76	70	370479	98	87	370489	98	87	370499	112	100	370509	98	87
3"	16"	5 3/4"	1.5	370470	125	115	370480	159	146	370490	159	146	370500	179	167	370510	159	146
4"	16"	5 3/4"	1.8	370471	125	115	370481	159	146	370491	159	146	370501	179	167	370511	159	146
5"	16"	6 1/4"	1.7	370472	125	115	370482	159	146	370492	159	146	370502	179	167	370512	159	146
6"	16"	7 1/8"	1.7	370473	125	115	370483	159	146	370493	159	146	370503	179	167	370513	159	146
7"	16"	7 1/8"	1.6	370474	125	115	370484	159	146	370494	159	146	370504	179	167	370514	159	146
8"	16"	7 1/8"	1.6	370475	125	115	370485	159	146	370495	159	146	370505	179	167	370515	159	146
10"	22"	8 1/4"	3.3	370476	254	227	370486	294	270	370496	294	270	370506	319	290	370516	294	270
12"	26"	11"	4.9	370477	487	447	370487	559	497	370497	559	497	370507	580	518	370517	559	497

FLAGPOLES | Flash Collars (Split)

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 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"	2¼"	.55	370233	\$179	\$164	370643	\$186	\$183	370281	\$186	\$183	370306	\$202	\$195	370331	\$186	\$183
2¾"	8"	2¼"	.50	370234	179	164	370258	186	183	370282	186	183	370307	202	195	370332	186	183
2½"	8"	2¼"	.50	370235	179	164	370644	186	183	370283	186	183	370308	202	195	370333	186	183
2"	12"	1¼"	.85	370236	182	179	370259	202	195	370284	202	195	370309	208	203	370334	202	195
2¾"	12"	1¼"	.85	370237	182	179	370260	202	195	370285	202	195	370310	208	203	370335	202	195
2½"	12"	1¼"	.85	370238	182	179	370261	202	195	370286	202	195	370311	208	203	370336	202	195
3"	12"	1¼"	.90	370239	182	179	370262	202	195	370287	202	195	370312	208	203	370337	202	195
3½"	12"	1¼"	.85	370240	182	179	370263	202	195	370288	202	195	370313	208	203	370338	202	195
4"	12"	1¼"	.80	370241	182	179	370264	202	195	370289	202	195	370314	208	203	370339	202	195
4¾"	12"	1¼"	.80	370242	182	179	370265	202	195	370290	202	195	370315	208	203	370340	202	195
5"	12"	1¼"	.80	370243	182	179	370266	202	195	370291	202	195	370316	208	203	370341	202	195
5½"	12"	1¼"	.75	370244	182	179	370267	202	195	370292	202	195	370317	208	203	370342	202	195
6"	12"	1¼"	.70	370245	182	179	370268	202	195	370293	202	195	370318	208	203	370343	202	195
5"	16"	2½"	1.9	370645	210	204	370646	239	230	370647	239	230	370648	255	243	370649	239	230
6"	16"	2½"	1.9	370246	210	204	370269	239	230	370294	239	230	370319	255	243	370344	239	230
7"	16"	2½"	1.9	370247	210	204	370270	239	230	370295	239	230	370320	255	243	370345	239	230
8"	16"	2½"	1.8	370248	210	204	370271	239	230	370296	239	230	370321	255	243	370346	239	230
7"	22"	3⅝"	3.0	370249	311	293	370272	374	355	370297	374	355	370322	383	362	370347	374	355
8"	22"	3⅝"	3.2	370250	311	293	370273	374	355	370298	374	355	370323	383	362	370348	374	355
10"	22"	3⅝"	3.4	370251	311	293	370274	374	355	370299	374	355	370324	383	362	370349	374	355
8"	30"	4¼"	6.4	370252	554	510	370275	662	615	370300	662	615	370325	679	632	370350	662	615
10"	30"	4¼"	5.9	370253	554	510	370276	662	615	370301	662	615	370326	679	632	370351	662	615
12"	30"	4¼"	5.8	370254	554	510	370277	662	615	370302	662	615	370327	679	632	370352	662	615
8"	38"	4¾"	8.0	370255	1,238	1,119	370278	1,385	1,262	370303	1,385	1,262	370328	1,483	1,355	370353	1,385	1,262
10"	38"	4¾"	7.4	370256	1,238	1,119	370279	1,385	1,262	370304	1,385	1,262	370329	1,483	1,355	370354	1,385	1,262
12"	38"	4¾"	7.2	370257	1,238	1,119	370280	1,385	1,262	370305	1,385	1,262	370330	1,483	1,355	370355	1,385	1,262

HIGH PROFILE SPLIT 'TRUMPET' ALUMINUM FLASH COLLARS



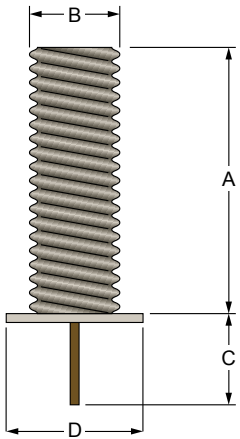
Satin

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 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+
2¾"	10"	3½"	2.0	370518	\$238	\$230	370528	\$270	\$258	370538	\$270	\$258	370548	\$279	\$270	370558	\$270	\$258
3"	10"	2¾"	2.0	370519	238	230	370529	270	258	370539	270	258	370549	279	270	370559	270	258
3"	16"	5¼"	2.0	370520	290	277	370530	328	310	370540	328	310	370550	337	321	370560	328	310
4"	16"	5¼"	2.3	370521	290	277	370531	328	310	370541	328	310	370551	337	321	370561	328	310
5"	16"	6¼"	2.2	370522	290	277	370532	328	310	370542	328	310	370552	337	321	370562	328	310
6"	16"	7⅞"	2.2	370523	290	277	370533	328	310	370543	328	310	370553	337	321	370563	328	310
7"	16"	7⅞"	2.1	370524	290	277	370534	328	310	370544	328	310	370554	337	321	370564	328	310
8"	16"	7⅞"	2.1	370525	290	277	370535	328	310	370545	328	310	370555	337	321	370565	328	310
10"	22"	8¼"	3.8	370526	421	393	370536	475	439	370546	475	439	370556	502	482	370566	475	439
12"	26"	11"	5.4	370527	649	600	370537	728	662	370547	728	662	370557	752	678	370567	728	662

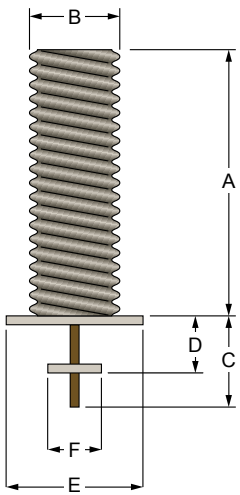
GALVANIZED STEEL FOUNDATION SLEEVES

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 structure 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"	\$143	\$137	20
380002	3'	6"	6"	8"	184	178	24



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

ITEM #	A	B	C	D	E	F	1-5	6+	LBS.
380003	3'	8"	18"	6"	12"	6"	\$260	\$237	30
380004	3-1/2'	8"	18"	6"	12"	6"	266	246	32
380005	3'	10"	18"	6"	16"	8"	280	265	37
380006	3-1/2'	10"	18"	6"	16"	8"	299	285	44
380007	4'	12"	18"	6"	16"	8"	403	385	55
380196	4-1/2'	12"	18"	6"	16"	8"	433	408	60
380008	5'	12"	18"	6"	18"	9"	474	450	70
380009	5'	15"	18"	6"	20"	10"	840	797	86
380010	6'	15"	24"	10"	20"	10"	970	928	122
380011	6'	18"	24"	10"	24"	12"	1,077	1,022	135
380012	7'	15"	24"	12"	24"	12"	1,077	1,022	141
380013	7'	18"	24"	12"	24"	12"	1,249	1,187	156
380014	8'	18"	24"	12"	24"	12"	1,334	1,271	160

PVC SLEEVES

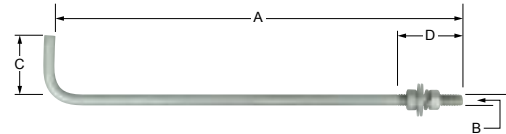
Poles slip into form fit sleeves snugly - no voids to fill with sand. Standard sleeves require wood wedges & sand for a proper installation.



ITEM #	FOR POLE DIA.	LEN.	TYPE	1-5	6+	LBS.
380015	1-3/8"	12"	FORM FIT	\$10.80	\$9.50	.14
380016	1-5/8"	15"	FORM FIT	12.80	11.60	.20
380017	1-3/4"	20"	FORM FIT	14.80	13.50	.26
380018	2"	15"	FORM FIT	19.30	17.20	.25
380020	2"	20"	FORM FIT	20.90	19.30	.34
380021	2-1/2"	30"	FORM FIT	28.00	26.40	1.1
380022	3"	20"	FORM FIT	34.40	32.70	.95
380023	3"-3 1/2"	24"	STANDARD	30.20	28.60	1.6
380024	3"-3 1/2"	30"	STANDARD	41.40	40.10	1.9

GALVANIZED STEEL ANCHOR BOLTS

For Shoe Base Installations



Complete with 2 Hex Nuts, 2 Washers & 1 Lock Washer

ITEM #	A	B	C	D	1-5	6+	LBS.
380037	16"	5/8"	3-1/2"	4"	\$41	\$37	2.4
380038	24"	3/4"	4"	5"	44	40	3.5
380039	36"	1"	4"	6"	79	77	8.4
380040	40"	1"	4"	6"	87	84	9.0
380041	54"	1-1/4"	6"	8"	210	190	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	\$190	\$170	4.5

5' X 1/2" ROD ONLY

ITEM #	PRICE	LBS.
380035	\$106	1.2

WIRE ONLY

ITEM #	PER FOOT	LBS.
380034	\$15.60	.36

BRACKET ONLY

ITEM #	1-5	6+	LBS.
380036	\$58	\$54	.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	\$24.50	\$23.50	.75
380049	5/8" x 12"	SILVER	29.00	28.00	1.2
380050	5/8" x 18"	SILVER	29.50	28.00	1.7
380051	5/8" x 24"	SILVER	30.50	28.50	2.1
380052	5/8" x 30"	SILVER	31.50	30.50	2.5
380053	5/8" x 36"	SILVER	35.50	31.00	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	\$28.00	\$26.50	.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	NO	\$560.00
	EXTERNAL	YES	1,000.00
	INTERNAL	NO	680.00
	INTERNAL	YES	1,260.00

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" – 7"	18	380112	\$1,670	\$1,510	380119	\$1,920	\$1,720	380126	\$1,920	\$1,720	380133	\$1,920	\$1,720	380140	\$1,920	\$1,720
8" – 12"	18	380116	1,920	1,720	380123	2,090	1,920	380130	2,090	1,920	380137	2,090	1,920	380144	2,090	1,920



TUNNEL LIGHT REPLACEMENT LENS

ITEM #	1-5	6+	LBS
380190	\$240	\$220	.33



DELUXE LED SOLAR FLAGPOLE LIGHT

This solar-powered flagpole light is ideal for residential flagpoles 15' to 25'

- 200 x 1W ultra brite SMD 2835 LEDs, 1100 lumens
- Two 3.2V 3600 mAh LiFePO4 batteries(7200mAh total)
- 5v 6.2w efficiency monocrystalline solar panels
- IP65 rated water resistant
- Light Dimension is 10" x 10" x 1.5"
- For use with all trucks except for the ST series



OBSTRUCTION (BEACON) LIGHT

This light measures 6" x 4-3/4" and is ideal for taller flagpoles near airports or flight paths. ETL verified to FAA standards. Supplied standard with LED steady-burn bulb; please contact us if flasher unit is required. Set-up of flagpole to accept this lighting fixture can be done at the factory; call for pricing.

MODEL	ITEM #	1-5	6+	LBS.
OL-R	380148	\$650	\$620	2.8

Item#	DESCRIPTION	1-5	6+	LBS
380209	SOLAR FLAGPOLE LIGHT	\$126	\$119	1.9

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'	\$240	\$230	1.6
NTR-48	390001	48"	5' x 8'	265	240	2.3
NTR-72	390002	72"	6' x 10'	365	325	3.1
NTR-84	390003	84"	8' x 12'	375	345	4.3

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 brass 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	\$113.00 + \$5.45 PER LETTER
4" THROUGH 8"	\$144.00 + \$5.45 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	\$61	\$58
TUP-311	390007	LIGHT BRONZE #311	61	58
TUP-312	390008	MED. BRONZE #312	61	58
TUP-313	390009	DARK BRONZE #313	61	58
TUP-BL	390010	BLACK	61	58
TUP-WH	390011	WHITE	61	58
TUP-G	390012	GOLD	61	58

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	\$730	19
VANGUARD INTERNAL HALYARD	FMU-Y	390014	930	22
M-WINCH INTERNAL HALYARD	FMU-M	390015	1,710	25

External Halyard

Vanguard Internal Halyard

M-Winch Internal Halyard

