

Wind Cone

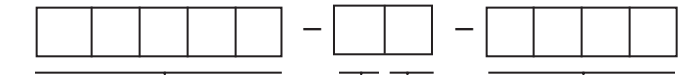
Compliances: FAA AC 150/5345-27: L-806 & L-807
NASA Guidelines

Applications

A wind cone visually indicates prevailing wind direction at a particular location on an airfield or heliport. FAA Size 2 wind cones are used for airports at a central position on the airfield. FAA Size 1 rigid wind cones are installed at small airfields and heliports. FAA Size 1 frangible wind cones are called "supplemental wind cones" as they are installed in addition to the main wind cone adjacent to each runway touchdown zone to indicate local wind conditions. Wind cones are commonly supplied with a single obstruction light and four floodlights to illuminate the windsock. The customer may select lighting, windsock color, and windsock material without affecting FAA approval. Rigid wind cones use hinged poles which allow the top windsock and lighting assembly to be lowered for servicing.

- See instruction manuals 9553 and 9554 for details.

Ordering Information



Basic Catalog Number:
Select from the chart below

Windsock Color:
W = White
O = Orange
B = BiColor Red & White
(Size 2 Only)

Windsock Material:
C = Cotton
N = Nylon

Options:
RF = Reflector Floodlights on 3 ft. arms (48310 & 48313 only).
S302 = Lighting powered by 6.6A series circuit.
Includes lamps and connector kit.
Order 300W isolation transformer separately.
W = Winch for lowering hinged pole (L-807 -RF only).

Wind Cone Selection Chart

Basic Catalog Number*	FAA Approval	FAA Size**	Rigid	Frangible	Obstruction Light	Floodlights (4)	Windsock	
			Hinged Pole	Breakable Pole			Length (ft.)	Diameter (in.)
48310	L-807	2	X		X	X	12	36
48311	L-807	2	X				12	36
48312	L-807	2	X		X		12	36
48313	L-807	2	X			X	12	36
44481	L-807	1	X		X	X	8	18
44482	L-807	1	X				8	18
44483	L-807	1	X		X		8	18
44484	L-807	1	X			X	8	18
71043	L-806	1		X	X	X	8	18
71044	L-806	1		X			8	18

* An "X" on the chart denotes a feature of that catalog number wind cone. Order lamps separately.

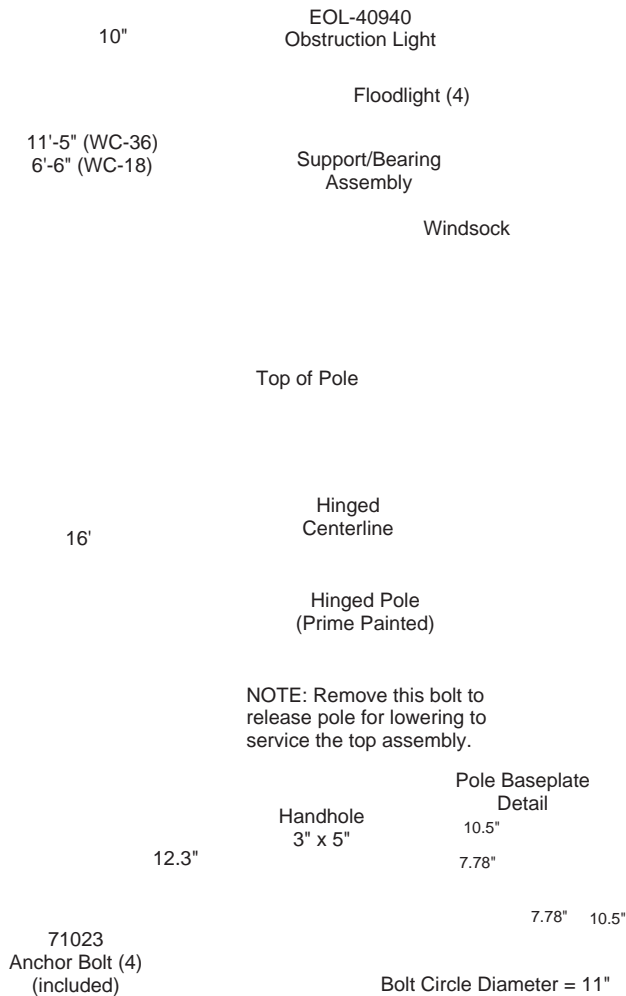
** Size 1 = 8 ft. (2.4 m.) long windsock (WC-18) Size 2 = 12 ft. (3.7 m.) long windsock (WC-36)

Application Notes

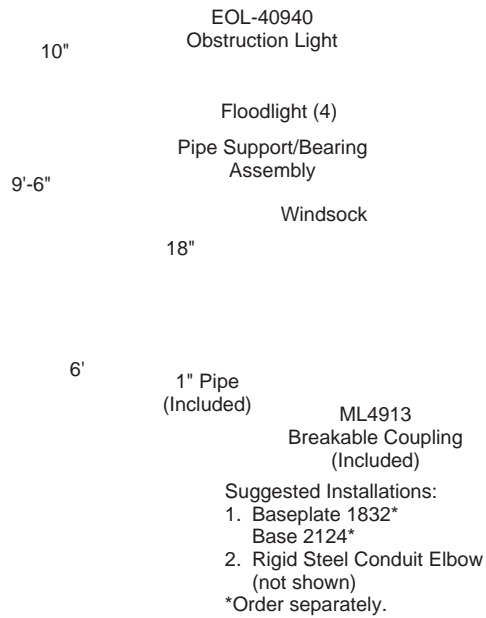
- The voltage may be 120 or 220-240 if the proper voltage lamps are used. All lamps have medium screw (E27) bases. Order lamps separately.
- For connection to a series circuit, order option S302 and an isolation transformer or order the standard wind cone and a power adapter. The transformer or adapter may be directly buried or installed in an L-867 base with coverplate.
- Anchor bolts should extend 4 inches above grade.
- The Size 1 and Size 2 wind cone hinged poles are identical except for the tenon diameter.

Installation Drawings

Rigid Installation Size 1 (WC-18) & Size 2 (WC-36)



Frangible Installation Size 1 (WC-18)



Dimensions: Feet-Inches

Instruction Manuals: 8510 Size 2 Rigid
8511 Size 1 Rigid
8512 Size 1 Frangible

	<u>4831X</u>	<u>4448X</u>	<u>7104X</u>
Shipping Weight:	510 lbs. 232 kg.	450 lbs. 205 kg.	250 lbs. 114 kg.
Shipping Volume:	40 cu.ft. 1.13 cu.m.	40 cu.ft. 1.13 cu.m.	30 cu.ft. 0.85 cu.m.

Renewal Parts

Part Number	Description	Part Number	Description
10047-1577	Lamp 116W, 120V	10047-2215	Lampholder PAR 38
10047-2145	Lamp 100W, 220-240V	KL8096A	Floodlight (4) Assembly (-RF option)
10047-1582	Lamp 150W, 120V, PAR-38	0501413-4	Reflector (-RF option)
150/CL	Lamp 150W, 120V (-RF option)	40940	EOL Obstruction Light
10047-2572	Lamp 200W, 220-240V (-RF option)	50026	Red Globe
10047-2167	Lamp 45W, 6.6A, PAR-38 (-S302 option)	71023	Anchor Bolt 0.75" x 28" (5" Threaded)
		HSSLDW	Winch

FAA Size 1 (WC-18) Only

71073-ON	Windsock - Orange Nylon 8 ft.
71073-WN	Windsock - White Nylon 8 ft.
71048	Hinged Pole (Rigid)
ML364B	Support/Bearing Assembly (Rigid)
0600696	Pipe Support/Bearing Assembly (Frangible)
0504611-1	Bearing (Rigid)
FL579	Slipfitter (Rigid)
ML4913	Breakable Coupling (Frangible)
44036	Complete 44481 less Hinged Pole
44478	Complete 44482 less Hinged Pole
44479	Complete 44483 less Hinged Pole
44480	Complete 44484 less Hinged Pole

FAA Size 2 (WC-36) Only

71045-WC	Windsock - White Cotton 12 ft.
71045-OC	Windsock - Orange Cotton 12 ft.
71045-ON	Windsock - Orange Nylon 12 ft.
71045-WN	Windsock - White Nylon 12 ft.
ML5067	Hinged Pole
KL7897	Support/Bearing Assembly
KL8097A	Bearing
FL623	Slipfitter 3" Diameter
44621A	Complete 48310 less Hinged Pole
71046-BN	Bicolor Red & White Wind Sock (Size 2 only)

For more information



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