

Frangible Airport Approach Structures



You have chosen to upgrade your airport safety, and now you have a choice in your partner for approach lighting systems. CK Composites, in conjunction with the FAA, developed a break-away fiberglass mast for use in low impact resistant structures to support airport approach lighting systems. CK's design will withstand 100 mph winds, including gusts, and 75 mph winds even with a 1/2" inch radial ice load. Yet, when struck by an airplane wing, the mast breaks into pieces without catastrophic damage to the wing.

Our engineering and customer support staff work along with the FAA, lighting/controls manufacturers, airport maintenance, project design team and installation contractors to supply all the parts to make the system assemble quickly, easily and safely in the field. We offer cut-to-length masts, or 20 foot sections that can be cut in the field. CK has a full size demonstration unit on site and we offer training and/or installation assistance.

Our masts work with ALSF2, MALSR, SSALS, and ODALS systems. The MG-20, MG-30, and MG-40 are mounted on a base secured to a foundation of your choice. These masts can be lowered for ease of maintenance. The MS-20's mount to a rigid steel tower for elevations higher than 40 feet. In this case, the MS-20 can be lowered through the tower for maintenance of the lights.

CK's structures are weather and corrosion resistant for many years of low maintenance service.



Applications

- Approach Lights
- Weather
- Navigational
- Clear Zone

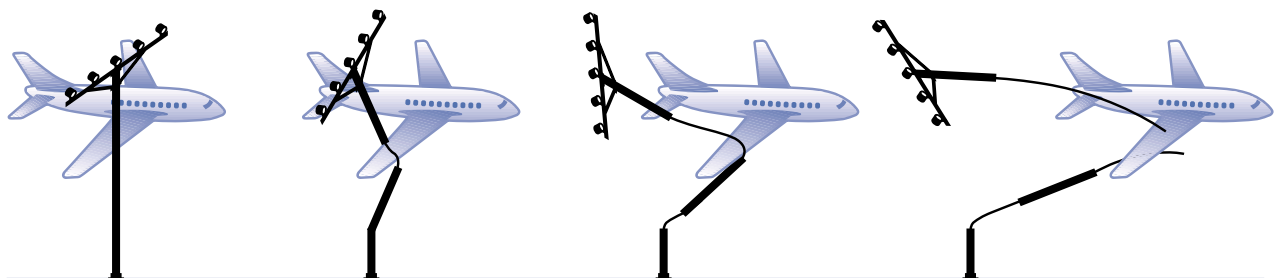
Available as FAA frangible, non-frangible or with tilt options.

Specifications

Model Number	Number of Lights*	Height of Mast
MG-20	3, 4 or 5	6'1" to 21'1"
MG-30	3, 4 or 5	21'2" to 30'0"
MG-40	3, 4 or 5	30'1" to 40'0"
MS-20	5	40'1" to 128'0"***

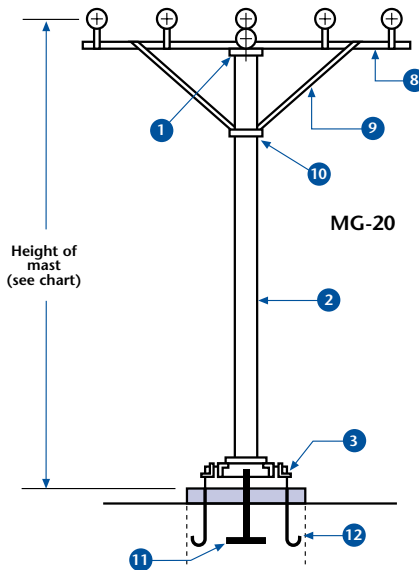
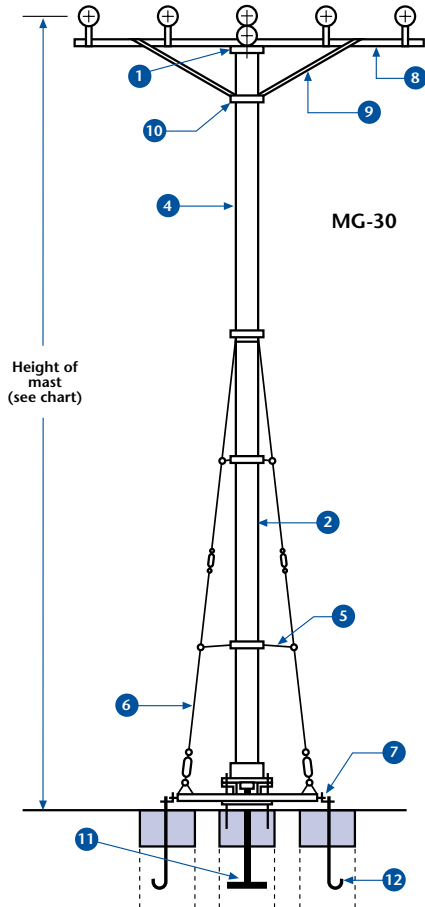
* Specify the number of lights when placing order.

** For heights above 41'1", the mast must be mounted on a rigid steel tower.



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Dimensional Data



Ordering Information

	L.I.R. STRUCTURES				
	Part Number	MG-20	MG-30	MG-40	MS-20
1. Tube Cap Assy	13-F-12-357	1	1	1	1
2. A Tube	F-D-I 2-452	1	1	1	1
3. MTG Stand Assy	13-F-12-447	1			
4. B Tube	F-D-12-741		1	1	
5a. Horiz. Stabilizer	13-E-12-740		1		
5b. Horiz. Stabilizer	13-E-12-740			1	
6a. Stabilizer Rod	13-E-12-742		1		
6b. Stabilizer Rod	13-E-12-742			1	
7. MTG Frame Assy	13-F-12-676		1	1	
8. T-Bar Assy*	F-D-12-739	1	1	1	1
9. Tee Brace Assy	F-D-12-734	2	2	2	2
10. Tee Brace Clamp	13-E-12-736	1	1	1	1
11. Anchor Plate	13-A-13-018	1	1	1	
12. Anchor Bolts	13-D-13-017	1	1	1	
13. Tilt Device**	13-E-12-830	1	1	1	
14. A-Tube & MTG Socket	13-D-13-065				1

* Specify the number of lights when ordering.

** Tilt device required for mast heights over 5'.

Performance Characteristics

The masts are critical items of L.I.R. (Low Impact Resistant) structures, requiring uniform and repeatable performance. The highest industry standards of quality are required, and essential factory testing is in accordance with the FAA-E-2702.



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