



Model GEO-FAL

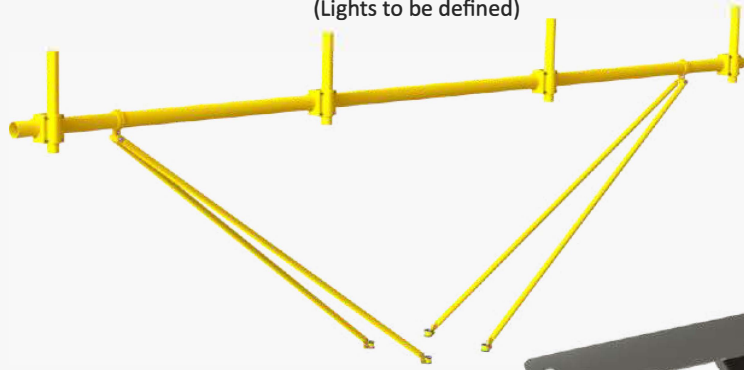
FRANGIBLE TOWERS & POLES APPROACH LIGHTS

Airport Approach Light Towers & Poles in Compliance for Full Impact Testing with ICAO guidelines Aerodrome Design Manual Part-6, chapter 5 and US Department of Transportation, FAA Advisory Circular No 150/5345-45C, April 2007



MODELS & ACCESSORIES

CROSS ARM FOR APPROACH LIGHT (Length to be defined) (Lights to be defined)



CROSS ARM SUPPORT (supporting arm accessories)



STAINLESS STEEL HINGE BASE IS 316

CENTER HINGE (Aluminum casting)



JUNCTION BOX MOUNTING (Optional accessorie)



SET OF FOUNDATION BOLTS (4 NOS.)



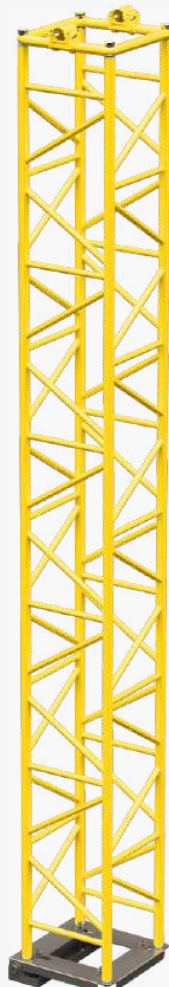
FOUNDATION TEMPLATE FT 500



6-12 METER APPROACH LATTICE TOWER CENTER HINGE



6-12 METER APPROACH LATTICE TOWER BASE HINGE



UPTO 6 METER APPROACH LATTICE TOWER BASE HINGE



UPTO 4 METER APPROACH POLE SINGLE LIGHT



UPTO 1.3 METER APPROACH POLE SINGLE LIGHT

SAFE & STRONG

GEONICA offers a complete line of frangible towers, mast and poles for hoisting weather equipments (AWOS), approach lights, glide path mast etc. for airports. Both lattice and pole type frangible structures are manufactured for various airport applications. The towers and mast are made of fibre glass composites and resins to give frangibility in the products for strength and durability against high wind & jet blast.

Full impact testing was carried in compliance with U.S Department of Transportation Federal Aviation Administration (FAA), advisory circular No 150/5345 45c, section 3.9 and 4.2.5 and International Civil Aviation Organization (ICAO) doc 9157 An/901 part 6, subsections 4.9.20, 4.9.21, and 4.9.22

Successful Frangibility Crash Tested at Narnaul Airport in India and Successfully tested at PMG Technologies in Blainville, Quebec Canada in presence of Intertek FAA approved Test Inspection Agency



FEATURES

STANDARD PRODUCTS

APPROACH LIGHT LATTICE TOWER

10 METER LATTICE TOWER WITH CENTER HINGE AND STAINLESS STEEL BASE HINGE

10 METER LATTICE TOWER WITH STAINLESS STEEL BASE HINGE

5 METER LATTICE TOWER WITH STAINLESS STEEL BASE HINGE

Upto 2.5 METER POLE TOWER WITH BASE PLATE

- ✔ STRICTLY COMPLIANCE OF FRANGIBILITY WITH ICAO AND FAA GUIDELINES
- ✔ FOLLOW ALL SAFETY REGULATIONS
- ✔ TESTED UNDER THIRD PARTY SUPERVISION
- ✔ CORROSION - FREE TOWER AND ACCESSORIES
- ✔ UV - RESISTANT PU PAINT WITH 3 YEAR WARRANTY
- ✔ 5 YEARS MANUFACTURING DEFECT WARRANTY ON COMPLETE TOWER
- ✔ NO ELECTRO-MAGNETIC INTERFERENCE
- ✔ FACILITY FOR CUSTOMIZATION
- ✔ PROMPT DELIVERIES
- ✔ ASSURE DURABILITY
- ✔ LIGHT WEIGHT
- ✔ ALL STANDARD INSTRUMENTS MOUNTINGS AVAILABLE

CUSTOMIZED PRODUCTS

CUSTOMIZED HEIGHT AFTER 12 METER APPROACH TOWERS WITH STEEL SECTION

TURNKEY INSTALLATION AS PER AIRPORT APPROACH ELEVATION & STANDARD MENTIONED BY ICAO: ANNEXURE 14, PARA 5.3.14.

CUSTOMIZED POLE FOR HEIGHT ADJUSTMENT AT SITE

CUSTOMIZED LATTICE TOWER FOR APPROACH LIGHTS

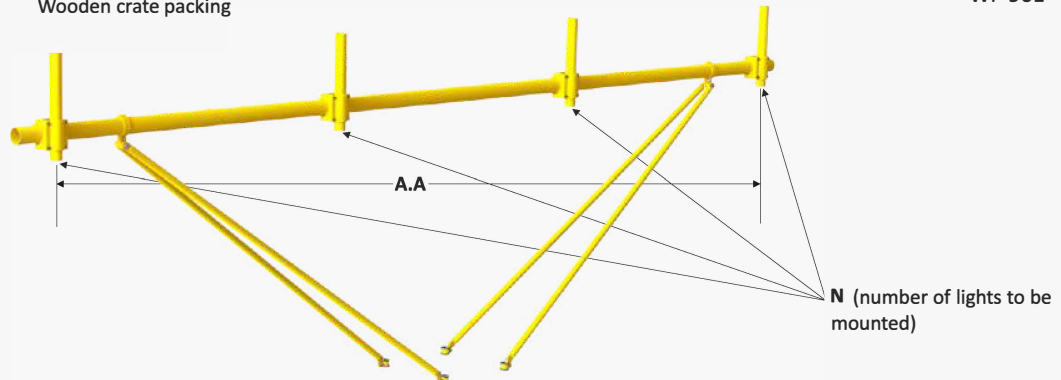
CROSS ARM WITH ADJUSTABLE LIGHT LOCATIONS

ORDER DETAILS

DESCRIPTION	SPECIFICATIONS	ORDER CODE
2.5-6 meter Lattice Tower with Base Hinge	Frangible lattice tower, 0.5 meter approach light holding vertical arm, cross arm mounting support (2/3/4 nos.), Stainless Steel bottom hinge base plate, set of 4 foundation bolts with accessories, colour aviation yellow	AL 4050 - 05 BH
6-12 meter Lattice Tower with Base Hinge	Frangible lattice tower with bottom & top frangible lattice section, 0.5 meter approach light holding vertical arm, fixed centre assembly, cross arm mounting support (2/3/4 nos.), Stainless Steel bottom hinge base plate, Set of 4 foundation bolts with accessories, colour aviation yellow	AL 4050 - 10 BH
6 meter Lattice Tower with Centre Hinge	Frangible lattice tower with bottom & top frangible lattice section, 0.5 meter approach light holding vertical arm, cross arm mounting support (2/3/4 nos.), center hinge assembly with accessories, hinge rope set, set of 4 foundation bolts with accessories, Stainless Steel bottom hinge base plate, colour aviation yellow	AL 4050 - 10 CH
Upto 4 meter Pole	Frangible pole of variable length, bottom base plate, Set of foundation bolts, colour aviation yellow	PT 9060 - 02 BP
Customized Heights	Contact us for custom heights as per land profile	

STANDARD ACCESSORIES

Cross Arm for Approach Lights	Cross arm for mounting approach light with accessories, Where ' A.A ' Represents the length of the arm required in meters N -represents the number of the lights	CB - A.A - N
Foundation Template	Metallic foundation template	FT 500
Packaging	Wooden crate packing	WP 901



COMPLIANCE

- Compliance with FAA AC 150/5345-45C and Compliance with ICAO guidelines Aerodrome Design Material Part-6 Frangibility Doc 9157 First Edition – 2006 chapter 5.
- Wind load deflection test
- Salt Spray Test as per MIL-STD- 810F & ISO 9227: 2017
- Temperature Resistance Test -35°C to +55° C
- Flammability Test IS : 6746 - 1994
- Di-Electric Strength Test : ASTM D 149:2009.
- UV Resistance Test ASTM G 154 : 2016/IS-14887
- Tensile Strength Test : ASTM D638
- Flexural Strength Test : ASTM D790
- Flame Spread & Smoke develop Index test ASTM E84

CERTIFICATION

Third party full crash test certificate as per compliance for full impact testing with ICAO guidelines Aerodrome design manual Part-6, chapter 5 and US department of transportation, FAA Advisory circular No 150/5345, April 2007

Specifications/technical details included are subject to change without notice.