

## Non-Penetrating Flat Roof Mount with 1 Rubber Mat, 1-pole Version, 60-inch Mast, Galvanized Steel with Powder Coating



### HGX-FRM-1-KIT

#### Features

- Easy assembly instructions
- Contains Flat roof mount and 1 mat
- 5 ft tall center mast
- Secondary arm of 2.75 ft
- Powder coated galvanized steel
- Operating windspeeds up to 50 KM/h (31 mph)
- Survival windspeeds up to 100 KM/h (62 mph)
- All assembly hardware included
- Included rubber mat for max surface tension/protection
- Standard 16" x 8" cinder blocks (Not included)

#### Applications

- De-centralized wireless networks (FreedomFi, Helium, POLLEN, XNET, MetaBlox, etc.)
- Scientific and weather instrumentations
- Wireless or satellite antenna
- Security camera and instruments
- Solar panel

#### Description

The L-com's HGX-FRM-1-KIT is a non-penetrating flat roof mount kit is used for satellite dish and antenna installations. This antenna roof mount kit has a 1 rubber mat (HGX-NPM-MAT) and 1-pole version non-penetrating peak roof mount (HGX-FRM-1). The 1-pole roof mount kit doesn't need screws or anchors, which minimizes damage to the roofs.

This kit comes with a rubber mat that provides the best surface tension and surface protection. The non-penetrating flat roof mount included in this kit is portable and suitable for a range of roof applications. Ballast material (i.e., cinder blocks, concrete blocks, etc.) are used in these non-drill roof mounts anchor to the roof.

The L-com has the largest in-stock collection of flat roof mount kit including 1 rubber mat and 1-pole version roof mount with same-day shipping for domestic and international orders. Our portfolio includes coaxial cable assemblies, connectors, adapters, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the non-penetrating antenna roof mount kit as per your requirement.

Note: Ballast data should be determined by a local professional engineer. Adequate ballast material must be determined and provided by others.

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#### Configuration

Note:

- **Ballast data should be determined by a local professional engineer. Adequate ballast material must be determined and provided by others**
- Prior to installation, verify that the installation, roof material and supporting structures have been investigated and found capable to withstand load
- Place ballast material (i.e., cinder blocks, concrete blocks, etc.) evenly on both side with at least 4 on each side, total 8 blocks per mount approx. 300lbs over all base angles (Estimated Operational Ballast)
- All antenna installations MUST be grounded
- **L-Com RECOMMENDS THAT BALLAST MATERIAL ALWAYS BE PLACED PRIOR TO MOUNTING ANTENNAS AND THAT THE MOUNT BE SECURED TO PREVENT HAZARDS FROM OCCURRING UNDER EXTREME WIND LOADING CONDITION**
- Inspect all bolts and screws for optimal tightness (recommended torque 13-14 lbs-ft.) to ensure there is no loose gaps after installation
- Recommended to use self-tapping screws provided with mount to reduce the loading of the roof if working environment is allowed to drill
- Inspect the mount, antennas, and tightness of nuts at six-month maximum intervals

Operational	50 Km/h (31 mph)	Under recommended Load
Survival	100 Km/h (62 mph)	Under recommended Load

**CONTACT A LOCAL PROFESSIONAL ENGINEER TO DETERMINE PROPER LOADING vs BALLAST WEIGHTS**

Operational: It is workable under 50km/h wind speeds.

Survival: The products may be deformed but will not fly away.

#### Mechanical Specifications

##### Size

Length	35.33 in [897.38 mm]
Width	35.33 in [897.38 mm]
Height	59.06 in [150.01 cm]
Weight	49.82 lbs [22.6 kg]

#### Environmental Specifications

##### Temperature

Operating Range	-40 to +80 deg C
Wind Velocity	31 MPH [49.89KPH]
Plating	Powder Coat

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### HGX-FRM-1-KIT

Material	Galvanized Steel
Package Quantity	1

#### Typical Radiation Pattern

Non-Penetrating Flat Roof Mount with 1 Rubber Mat, 1-pole Version, 60-inch Mast, Galvanized Steel with Powder Coating from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/non-penetrating-flat-roof-mount-with-1-rubber-mat-1-pole-version-60-inch-mast-galvanized-steel-with-powder-coating-hgx-frm-1-kit-p.aspx>

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CAD Drawing

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