SYSTEM DESCRIPTION
The StrikeMaster® PLP-38PK-MOB (02) is a stand-alone, fully integrated, protection system. Our No-tool fasteners and installation hardware are captive for fast installation and to avoid loose parts that could cause foreign object damage at sensitive sites. Installation time is under one hour for two personnel. The base utilizes Ballast Blocks™ and is suitable for non-penetrating application on rooftops and other critical surfaces. This lightning protection system is designed for quick installation as a reusable, fold-over mobile platform for easy assembly and movement in the desired operational area.

SYSTEM FEATURES
• Lightweight, rugged 38’ modular, aluminum alloy mast
• Mobility-enabled base assembly
• Grounding attachment components
• UL-listed air terminal
• Ballast brick system
• 2 rugged, hard cover, man carry transport cases
• Wind load equivalent up to 120 mph when appropriately deployed
• Weather resistant alodine coating

ASSEMBLED SYSTEM SPECIFICATIONS
• Height 38’ (11.58 m)
• Base circumference of 10.8’ (3.29 m)

KITTED MAST SYSTEM IN HARD CASE SPECIFICATIONS
• Length 85.5” (2172 mm)
• Width 20” (508 mm)
• Height 18” (458 mm)
• Weight 270 lbs (123 kg)

KITTED BALLAST BLOCKS® IN HARD CASE SPECIFICATIONS
• Length 43” (1092 mm)
• Width 22” (559 mm)
• Height 24” (610 mm)
• Weight 38 lbs (17.2 kg) empty
• Weight 77lbs (34.9 kg) with Ballast Blocks®
**FUNCTIONALITY**

The function of the system is to provide a highly conductive, easily deployed structure to deter and terminate lighting strokes which may threaten assets and personnel under the PLP-38PK-MOB (02) cone of protection. PLP-38PK-MOB (02) systems include streamer discharge dissipation technology to reduce the probability of lightning strikes, and serves as a UL-Listed air terminal for lightning strike termination when required.

The PLP-38PK-MOB (02) protects a conical zone around it that is calculated by the “rolling ball method”. This method is described in NFPA70, as well as the protection radius required for different types of assets. Briefly stated, assets are considered protected when they don’t project into the surface of an imaginary sphere of suitable radius when it contacts both the top of the PLP and ground. A frequently used sphere has a radius of 150 feet (45.72 m).

The graph below describes the PLP-38PK-MOB (02) conical zone of protection for this case.

![Graph showing PLP-38PK-MOB (02) zone of protection](image)

It is the user’s responsibility to determine the protection parameters suitable to their intended use.

The StrikeMaster® PLP-38PK-MOB (02) is designed for minimum maintenance. Normal requirements are only routine inspection of base components and tightening of ground system attachment hardware if needed. Standard customer practices should be employed to protect the deployed system from unauthorized personnel or vehicular contact. For maintenance support, replaceable spare kits are available.

**NOTE:** PLP masts are rated to 120 mph wind survival. However, base ballasts or hold-downs must be adequately designed (loaded) to prevent overturning (See instruction manual).

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**ORDER NOW:**
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