

# Aviation Lights Mounting Accessories



Carmanah is pleased to offer a range of custom aviation mounting accessories to expedite the installation.

## A601 Stake Mounting System

Part#AW1601GG

Part#AW1601 (without grass guard)

A complete mounting system for Model A601 airfield lights that are installed in gravel or earth locations. Includes a 14-inch (35cm) mounting stake that can be hammered into the ground, a frangible grooved column that can be replaced separately if broken on impact (as designed) and a mounting base pre-drilled to accommodate the A601 light. Comes complete with a 10-inch (25cm) diameter grass guard disk that keeps grass and weeds from growing around the mounting stake.



## A702 Mounting Plate

Part# 36339

Designed for runway, threshold, runway caution, obstruction and helipad applications, this mounting plate is for stake mounted or floor flange installations on concrete and/or dirt surfaces. Fits 1.5" or 2" to 1" frangible couplings and is designed to bolt into the bottom of the A700 series aviation light using stainless steel bolts. Powder coated aviation yellow, it adapts to the 1.5" Carmanah Floor Flange using a 1.5" frangible coupling or the 2" Carmanah Floor Flange using a 2 to 1" frangible coupling. The common size of the coupling will determine which floor flange is ordered.



## A601 Mounting Plate

Part#31162

Designed for elevated edge lighting for stake mounted or floor flange installations on concrete and dirt surfaces. Applications include: taxiway edge lighting, apron edge lighting, helipad edge lighting and obstruction lighting. Manufactured to provide FAA maximum height requirements of 14", it will adapt to 1.5" and 2" to 1" frangible couplings with set screws for a secure fit. The mounting plate is manufactured from aluminum with powder-coated aviation yellow for daytime visual guidance. The Carmanah 1.5" or 2" Floor Flange is recommended for permanent or temporary installations using the A601 Mounting Plate.



## A702 Extended Mounting Plate System

Part#41168

The A702 Extended Mounting Plate System is designed to elevate Carmanah lights an additional 11" in locations that may experience higher than average snow fall. The mounting plate is manufactured from aluminum with powder-coated aviation yellow paint for daytime visual guidance. The mounting plate includes a 3, 4 and 5 bolt mounting option and adapts to the 2" frangible coupling.



## 1.5" Floor Flange

Part# 36329

Designed for concrete installations using the 1.5" frangible coupling for taxiway, runway, threshold, apron, or helipad edge installations. Excellent for permanent installations where current infrastructure is not in place and edge lights must be secured and frangible.



## 1.5" Frangible Coupling

Part# 601-1.5FC

Compatible with the Carmanah A601 & A700 Series Aviation lights for stake mount and floor flange installations at civilian and military airfields. Easily adapted to concrete and dirt mounted surfaces, the set-screw will allow for quick replacement in the event of jet blast or collision.



## 2" Floor Flange

Part# 50144

Designed for concrete installations using the 2" to 1" frangible coupling for taxiway, runway, threshold, apron, or helipad edge installations. Excellent for permanent installations where current infrastructure is not in place and edge lights need to be secured and frangible.



## 2" to 1" Frangible Coupling

Part# 50145

Includes a 1" column with additional set screw for secure installation using Carmanah aviation accessories. Adapts to the 2" Carmanah Floor Flange, the 601 airport mounting plate and conventional 2" threaded NPT stakes. The 2" to 1" frangible coupling is manufactured from aluminum, providing FAA compliance for high and medium intensity edge light requirements. The 2" NPT Frangible Coupling will provide a permanent, temporary or expedited mounting system for Carmanah aviation lights.



## Extended 2" Frangible Coupling

Part#41935

The Extended 2" Frangible Coupling is designed to be compatible with the Carmanah A702 Extended Mounting Plate system. Easily adapted to the 2" floor flange and 2" mounting stake, the 2" coupling can be used for concrete and dirt mounted applications.



## A601 Security Mounting Bolt Kit

Part #38335

The A601 Security Bolt Kit contains the required hardware to mount A601 lights to the A601 mounting plate, when added security is a consideration. Each package contains the necessary items to properly mount one light. Parts list includes:

- Nut, security, 1/4"-20, trident (3)
- Driver for trident 1/4"-20 nut (1)
- Driver, hex security bit, 876-770 Spaenaur (1)
- Washer, flat, 1/4", SS (9)
- Screw, security, button head, 1/4"-20 x 1.5", SS (3)



## A702 Mounting Bolt Kit

Part #38339

The A702 Bolt Kit contains the required hardware to mount A700 series lights to the A702 mounting plate. Each package contains the necessary items to properly mount one light. Parts list includes:

- Flat washer, 1/2", SS (8)
- Screw, cap, hex, 1/2"-13, SS (4)
- Nut, lock, 1/2"-13, SS (4)



## Infrared Programmer

Part# FG10676

Models A601 and A702 are user-programmable using an optional infrared programmer. Functions available through the programmer include:

- Flash code settings
- Intensity and autonomy adjustments
- LUX level adjustments for the photoelectric switch that automatically turns them on/off at dusk/dawn
- Activation / deactivation ability for storage or transport
- A battery voltage check to determine the relative health of the battery system



## Wireless Controller

Part# 42242 - 1/2 Watt  
48473 - 1 Watt

One or more wireless A704-5 lights can be remotely operated from the ground or air with a handheld wireless controller: securely encrypted 900MHz radio transceiver, with antenna and keypad. Features include:

- Water-resistant keypad and LED indicators
- Utilizes a 256-bit encrypted wireless RF signal
- Control range of up to 2.5 miles
- Meets MIL-SPEC-810E environmental requirements
- 24-hour operation on a single charge
- Rechargeable lithium-ion battery (included); recharges via an AC/DC wall plug
- Compatible with stand-alone aviation band VHF receiver for ARCAL mode option



## Stake Tapper

Part #46719

The Stake Tapper is a recommended accessory for the installation of the A601 Stake Mounting Kit. Made from stainless steel, the unit is placed inside the circular mount at the top of the mounting stake. The Stake Tapper is designed to take the force of a hammer or mallet when installing the A601 stake mounting stake into a dirt, sand or gravel environment. The tapper protects the circular mounting hole for the frangible grooved column so it is not deformed during installation.



## A601 Standard Bolt Kit

Part# 38334

The A601 Bolt Kit contains the required hardware to mount A601 lights to the correct mounting bases. Each package contains the necessary items to properly mount one light. Parts list includes:

- Nut, lock, 1/4"-20, SS (3)
- Washer, flat, 1/4", SS (9)
- 1/4"-20 x 1/2", hex cap screw, SS (3)



## Wedge Anchor Bolt

Part # 43697

The Carmanah airport wedge anchor bolt is designed for securing the 1.5" or 2" Floor Flange to hardened concrete and dirt surfaces. The 3/8" X 3-3/4" wedge anchor bolts are used in installations on permanent, temporary and expedited airfields. Combined with the 1.5" or 2" Floor Flange these wedge anchor bolts are ideal for permanent installations where current infrastructure is not in place and edge lights need to be secured and frangible.



## Airport Mounting Stake

Part# 38965 (15" length, 1.5")  
38925 (15" length, 2")  
37002 (30" length, 1.5")  
38964 (30" length, 2")

Manufactured out of galvanized steel, the all weather airport mounting stake allows for permanent installation in earth and gravel environments at general aviation airports and remote military airfields. The airport mounting stake is available in 15" and 30" lengths and with 1.5" and 2" coupling configurations. Frangible coupling size must be determined before ordering.



## 601 Fence Mounting System

Part #601-AFB

The A601 Fence Mounting Kit is designed for installing A601 aviation lights on standard chain link fences with a circular top bar along the top of the chain link fence. The kit features two U-bolts, a mounting plate, and all the required hardware to securely affix A601 lights to most fences.

