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BC-2-LRG

Pipe Mount Clamp System for Pipes, Bars and Rails 1.5 inches to 2.5 inches

Product ID: 1861

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

Heavy duty, adjustable clamping system for rails, bars, pipes, conduits and other round and square tube applications ranging from 1.5 inches to 2.5 inches. Made from non-sparking, long lasting, UV/water and chemical resistant materials, this pipe clamp system is ideal for mounting all types of lights to pipes and conduit, including explosion proof lights and remote control spotlights. Patent Pending. Click here for our smaller bar clamp for 3/8 inch to 1.25 inch pipes and our medium size bar clamp for 7/8 inch to 1.75 inch bars, rails and pipe conduit.

This bar clamp is machined from non-sparking Delrin II (acetal copolymer) which makes it applicable to hazardous location environments. Delrin is very effective and popular in manufacturing environments, including petrochemical, paint spray booths and food processing applications, due to its water, UV and chemical resistant nature. Combined with its non-sparking properties, this pipe clamp mount is ideal for mounting explosion proof lights to pipes and conduit in addition to its obvious application for auxiliary lights and remote control spotlights.

This pipe mount clamping system is adjustable and can be used on pipes and tubes ranging from 1.5 inches to 2.5 inches in diameter. The interlocking blocks, create a "cinching scissor" action to tighten to any bar, rail or tube as the socket head screws are tightened.

The mounting plate that ships with this bar clamp mount has mounting holes that accommodates any 1/4 inch, 3/8 inch or 1/2 inch mounting hardware for indoor and outdoor lighting applications. There is also room to drill and/or tap additional holes.

The existing hole patterns are for the 2 bolt mounts for our LED light emitter bars and infrared emitters; halogen and HID off road lights and High Intensity Discharge (HID) vehicle mount lights to vehicles, heavy equipment, ATVs and boats. The existing hole patterns also accommodate the pipe mounting of our surface mount explosion proof fluorescent lights for paint spray booths, oil rigs, derricks and the like.

The adjustable clamping system cinches to size around rails of different diameters and can handle payloads to 60+ pounds under extreme vibration.

The design of the bar clamp enables the operator to position it on horizontally or vertically situated poles, rails, etc. 2 sets of mounting holes offer the operator the ability to mount the mounting plate on the top or the side of the brackets. Thus this bracket system can be mounted on horizontal or vertical rails, bars or tubes. This was in response to customer`s demand for mounting solutions for vertical rails on pumping trucks, etc.

The bar clamp mount is made from Delrin II (acetal copolymer) and is available in white and black. Delrin is designed to be an alternative to metal, and is strong, durable and cannot be damaged by water and UV rays. Thus Delrin is an ideal material for boating applications and is popular in the petrochemical space, due to its chemical and heat resistance. This rail or tube mount adjusts to fit bars, rails, racks, etc. with square or tubular dimensions ranging from 1.5 inches to 2.5 inches in diameter. There are 2 sets of interlocking brackets which are cinched around the square or round tube, using the imbedded pair of 1/4-20 stainless steel, socket head bolts.
NOTE ON MOUNTING HOLES: The top mounting plate ships with pre-drilled holes that are designed for accepting the bolt patterns for Radioray and Stryker remote control spotlights. These spotlights went under a design revision in 2020. Older Radioray mounting holes are NOT the same as newer Radioray mounting holes. Older Stryker mounting holes are NOT the same as newer Stryker mounting holes. Please choose correct mounting option at time of ordering to ensure fitment with your spotlight
- Old Radioray. This is compatible with Pre-2020 Radioray series 2XXX, 5XXX, 7XXX, and 9XXX series spotlights.
- New Radioray GT. This is compatible with Post-2020 Radioray GT series 2XXXGT, 7XXXGT, and 9XXXGT series spotlights. The mounting holes of

the GT Series of Radioray spotlights (Post-2020) are NOT compatible with previous generation (Pre-2020) models.
- Old Stryker. This is compatible with Pre-2020 Stryker series GL-3XXX series spotlights.
- New Stryker ST. This is compatible with Post-2020 Stryker ST series 3XXXST series spotlights. The mounting holes of the ST Series of Stryker spotlights (Post-2020) are NOT compatible with previous generation (Pre-2020) models.

Dimensions of scissor clamp:
Length: 6 inches
Width: 1.5 inches
Collapsed depth: 3 inches
Expanded depth: 5 inches
Minimum bar clamp OD: 1.5 inches
Maximum bar clamp OD: 2.5 inches

Dimensions for mounting plate:
Length: 6.5 inches
Width: 5 inches
Thickness: 1/4 inches

More on Delrin (acetal copolymer)
Acetal copolymers have an excellent balance of properties and processing characteristics, including: melt temperature of 450 °F with little effect on part strength; high tensile and flexural strength, fatigue resistance, and hardness; lubricity is excellent; moisture absorption resistant; good electrical properties, combined with high mechanical strength and a UL electrical rating of 100 °C, qualify these materials for electrical applications requiring long-term stability; excellent resistance to chemicals and solvents; most organic reagents tested have no effect, nor do mineral oil, motor oil, or brake fluids; resistance to strong alkalis is exceptionally good; specimens immersed in boiling 50% sodium hydroxide solution and other strong bases for many months show no property changes; strength of acetal copolymer is only slightly reduced after aging for one year in air at 240 °F; impact strength holds constant for the first six months, and falls off about one-third during the next six-month period; aging in air at 180 °F for two years has little or no effect on properties, and immersion for one year in 180 °F water leaves most properties virtually unchanged. Samples tested in boiling water retain nearly original tensile strength after nine months.

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Frequently Asked Questions (FAQ)

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Product ID: 1861

Export Control Classification Number (ECCN): EAR99

Options:

BC-2-LRG-Color-Light Mount

Example: BC-2-LRG-BLK-RR

Color	
BLACK	-BLK
ALUMINUM	-ALU
WHITE	-WHT

Light Mount	
OLD RADIORAY	-RR
NEW RADIORAYGT	-RRGT
OLD STRYKER	-SR
NEW STRYKERST	-SRST

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **Operations Manual**
- **SpecSheetRussian**
- **SpecSheetSpanish**
- **HigResPic1**
- **Video1**
- **Video2**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**