Larson Electronics LLC
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Email: sales@LarsonElectronics.com
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HML-5M-LED-V2

40W Hand Magnetic LED Spotlight - Adjustable Tilting Base - 4 LEDs - 3600 Lumen - 9-32VDC - 6000K

Product ID: 148483



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.

HML-5M-LED-V2 Handheld LED Spotlight
Lamp Type: PAR46 Solid State LED
Dimensions: 9.496"-L x 6.370"-W x 7.752"-H
Watts: 40
Voltage: 9-32 VDC
Weight: 2.65 lb
Lighting Configuration: Spot
Mounting: 100 lb Grip Magnetic Mount Impact Resistant Plastic Handle
Amps: 3.3 (on 12 volts)
Lumens: 3600
LED Light Color: White - 6000K
LED Life Expectancy: 50,000 hours
Optics Efficiency: 90%
Materials: Aluminum Housing, Polycarbonate Lens
Wiring Options: 16` Cigarette Coil, 16` Cigarette, 21` Ring Terminals, 16` Battery Clamps or 16` Flying Leads - All terminated in a SAE 2-pin quick disconnect from the light
Housing Color: Black

Ratings/Approvals
MILSPEC 461 certified Bulb
3600 Lumen Output
100 lb Grip Magnetic Base
Multiple Cord Options
Weatherproof, UV Resistant
Portable, Handheld
Optional On/Off Switch Located on Back
2-Pin SAE Quick Disconnect
Portable, Handheld
CE Certified

Special Orders- Requirements
Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

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Buy American Compliant

The HML-5M-LED-V2 from Larson Electronics is a Handheld LED Spotlight that offers high light output and a compact profile combined with a durable handle and a 100 lb grip magnetic base. This LED spotlight is weatherproof and produces 3,600 lumens of high-intensity LED light while drawing only 40 watts of power @ 3.3 amps from a 12 volt electrical system. This light can run on any voltage from 9 to 48 VDC and provides a highly durable and compact lighting solution that is ideal for military, law enforcement, commercial, security and

hunting applications.
The HML-5M-LED-V2 handheld spotlight from Larson Electronics produces a 1600` long by 120` wide light beam with 3600 lumens of bright, white light. Using our latest 40 watt PAR46 solid state LED bulbs, the HML-5M-LED-V2 draws only 3.3 amps on 12 volts DC and 1.6 amps on 24 volts DC and features a color temperature of 6000K. The LED bulb in this unit is designed for heavy duty use and is MilSpec certified. (Government Part Number 12543890 (US Army). MILSPEC 461 certified)


Click Photo to Enlarge



Click Photo to Enlarge


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The HML-5M-LED-V2 is UV resistant, weatherproof, and ruggedly constructed to withstand demanding environments, conditions and applications. This particular unit is equipped with a 3.25 inch diameter, 100 lb grip magnetic base. The operator can use the reverse pistol grip handle to position the beam. The tension style hinge brackets will then keep the light in the desired position until the operator moves it again.
LED Benefits: Unlike gas burning and arc type lamps that have glass bulbs, LEDs have no filaments or fragile housings to break during operation and/or transportation. Instead of heating a small filament or using a combination of gases to produce light, light emitting diodes (LEDs) use semi-conductive materials that illuminate when electric current is applied, providing instant illumination with no warm up or cool down time before re-striking. Because there is no warm up period, this light can be cycled on and off with no reduction in lamp life.
LED lights run at significantly cooler temperatures than traditional metal halide and high pressure sodium lights and contain no harmful gases, vapors, or mercury, making them both safer and more energy efficient. No extra energy is wasted in cooling enclosed work areas due to external heat emissions from bulb type lights, and the operator risks associated with traditional lighting methods, such as accidental burns and exposure to hazardous substances contained in the glass bulbs, are eliminated. In addition, LEDs are also safer for the environment as they are 100% recyclable, which eliminates the need for costly special disposal services required with traditional gas burning and arc type lamps.


16ft Coil Cord w/Cigarette Plug
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21ft Cord with Ring Terminals


16ft Cord w/Battery Clamps


16ft Cord with Cigarette Plug

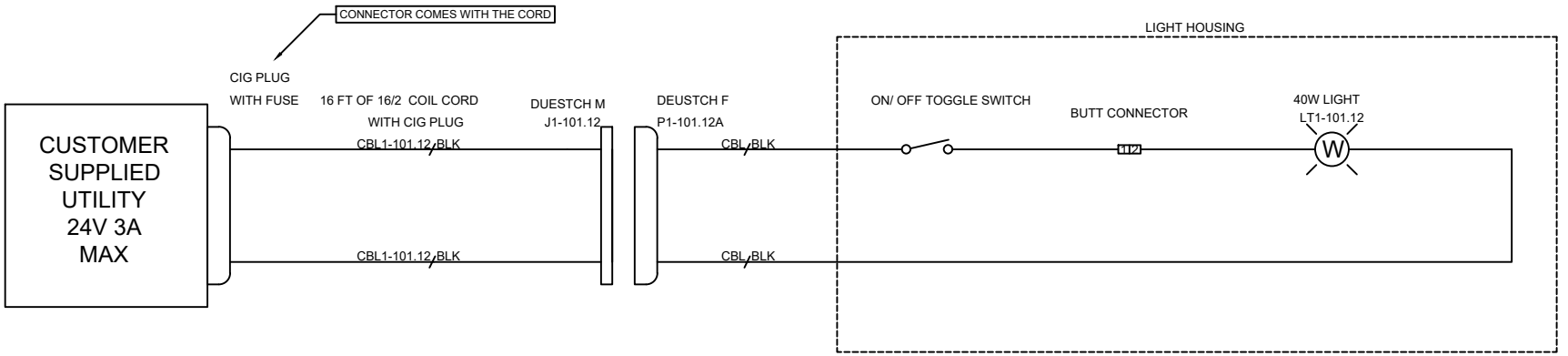
Wiring: The HML-5M-LED-V2 comes with a detachable 16 foot coil cord with cigarette plug. The cord is detached via a weatherproof, 2 pin SAE connector which easily and

securely attaches and detaches the coil cord from the spotlight. Other cords, including 21 foot cords with ring terminals (C-21RT), 16 foot cord with spring battery clamps (alligator clips) (C-16BC) and a 16 foot straight cord with cigarette plug (C-16CP) are available. This light can be ordered in either 12 volt or 24 volt configuration, allowing it to be used with any vehicle or ATV equipped with a cigarette plug. Choose voltage below when ordering. Operators also have the option of having an on/off switch equipped on the light or no switch. Please make your selection below when ordering.
The HML-5M-LED-V2 is an LED version of our HML-5M-CP found in the Escalation of Force Kit used by US Armed Forces. These high powered spotlights are used by the gunner to grab a subject`s attention. The 100 pound grip magnet base holds the light in place on protective barriers and gun turrets on the military HUMVEE, even under the most aggressive road and off-road conditions.
Neither the lens, nor the fixture produces temperatures above 75°F. The heavy gauge steel handle bracket supports the hinged lamp head and solid polypropylene handle. Easily field serviceable. The HML-5M-LED-V2 is made in the USA. The LED bulb is Buy American Compliant (Made in South Korea).
Heat Management: Heat is the single largest factor in premature LED failure and color shifting. As a result, many manufacturers reduce the output of their LEDs to reduce the amount of heat produced. These LED light bars utilize an extruded aluminum housing that incorporates an advanced heat radiating fin design which dissipates heat efficiently to produce the maximum amount of power and longevity from the integrated Cree LEDs. The end result is more light and longer LED life with higher average lumen maintenance after 50,000 hours.
Voltage Control: These units are able to monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These spotlights can operate on current ranging from 9 to 32 VDC without any modifications necessary as a result. This multi-voltage capability makes these units ideal for mobile and stand alone applications such as those found on commercial boats, heavy equipment and vehicles where power systems don’t always operate with 12 volts and external generators, transformers or inverters are impractical.
Mounting: This light is mounted to 3.25 inch diameter magnetic base with 100 lb of grip and an impact resistant plastic handle for simple placement on any ferrous metallic surface and easy operation. The stainless steel hinge assembly on this unit allows the light angle to be adjusted for optimal light control. The adjusting hinges on this light are tensioned, allowing the user to simply position the light as desired without any need for locking the unit into place. Once positioned, the light will hold its position until the user again repositions it.
Note on Voltage: Most vehicles are 12 Volt DC. 24 Volts ***DOES NOT*** mean more power. Running a 24V light from a 12V power source will result in a very dim or non-functioning light, and may cause internal damage to the light as well. For common vehicle use, please order 12V.
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	10/4/2022

HML-5M-LED-V2-16CP.CC-SP-ON.OFF

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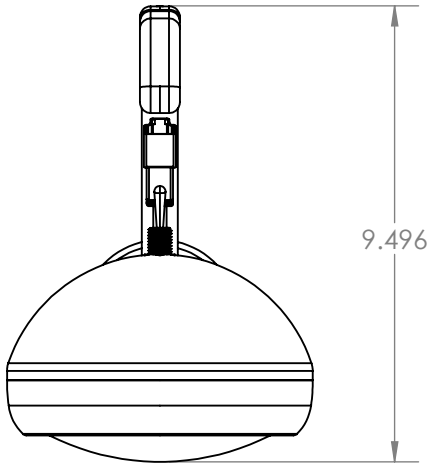


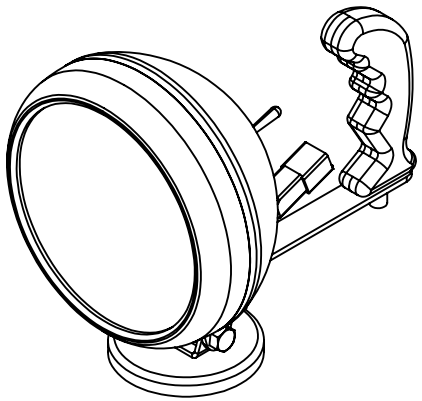
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LT1-101.12	1	UNV00009947	PAR 46 40W 9-32 VDC SPOT LIGHT
CBL1-101.12	1	UNV00007975	16 CIG PLUG CHARGER COILED CABLE

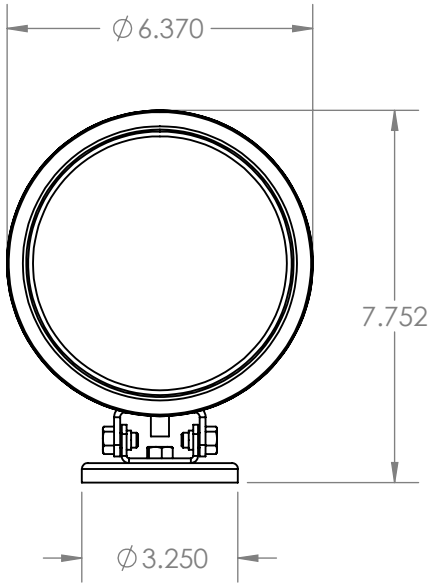
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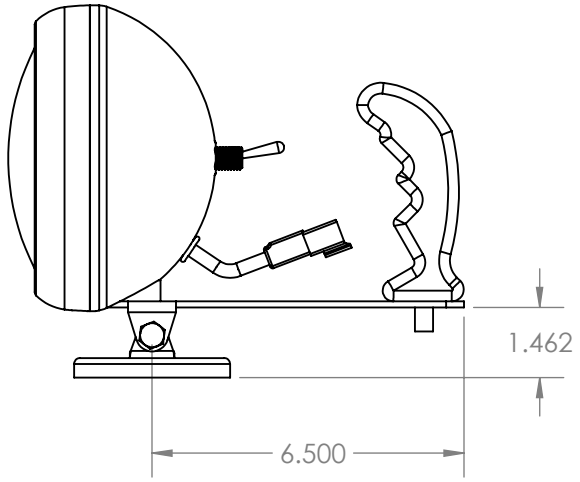
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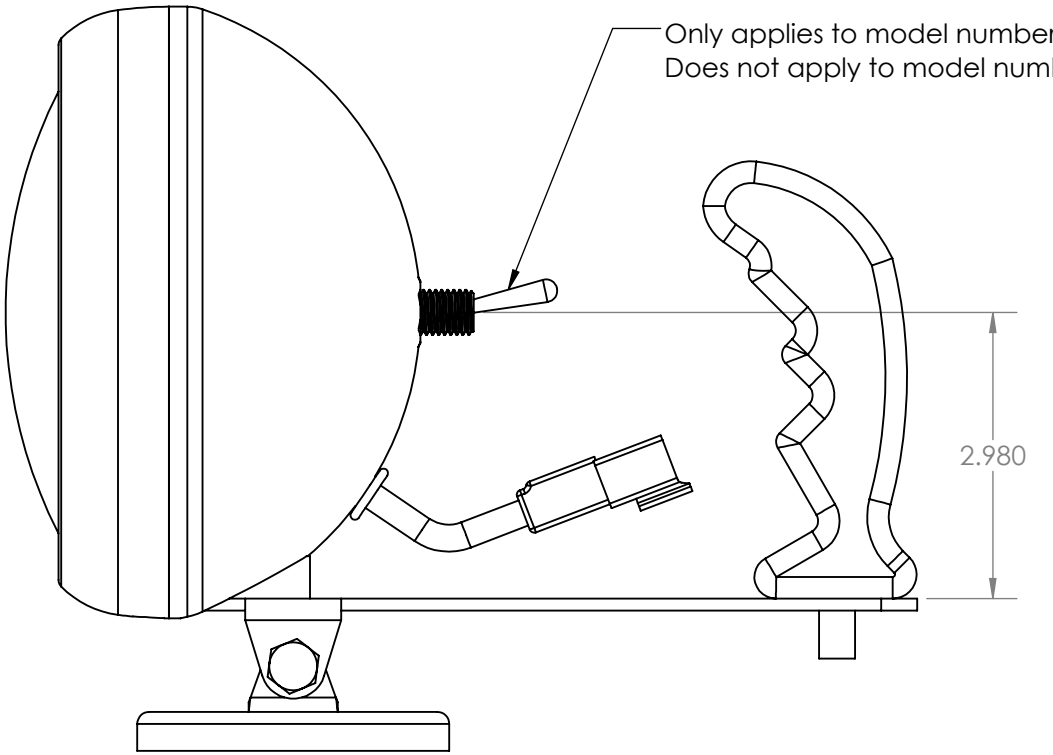
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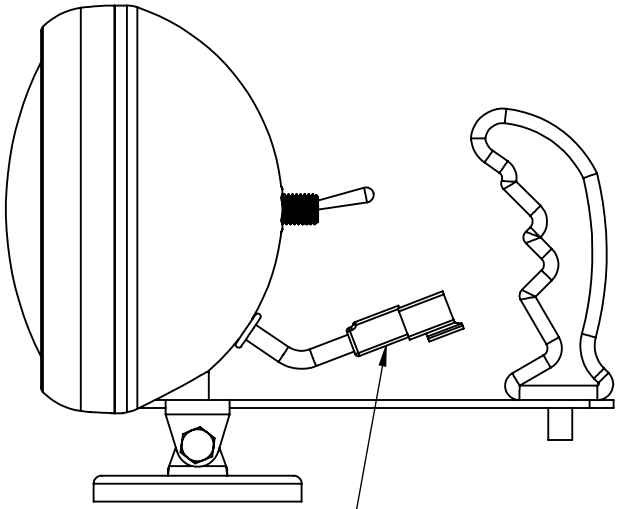
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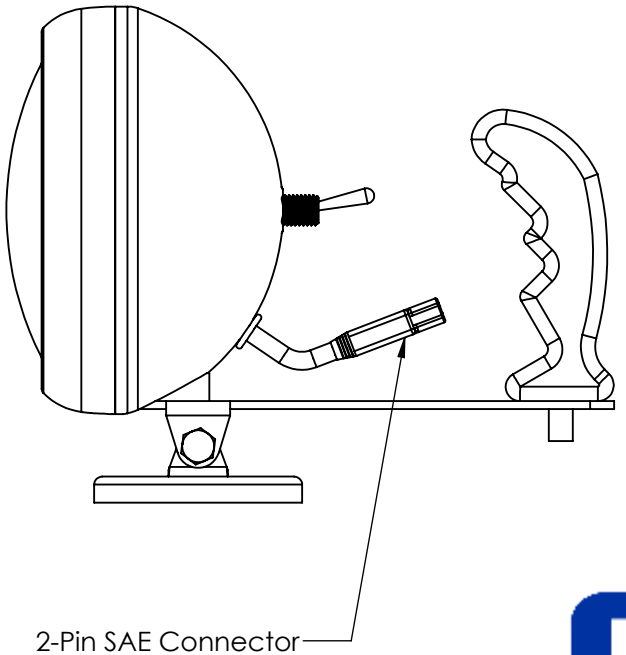
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2-Pin Deutsch Connector
-16CP.CC Suffix



2-Pin SAE Connector
-16CP.ST Suffix
-21RT Suffix
-16BC Suffix
-16.PIGTAIL Suffix



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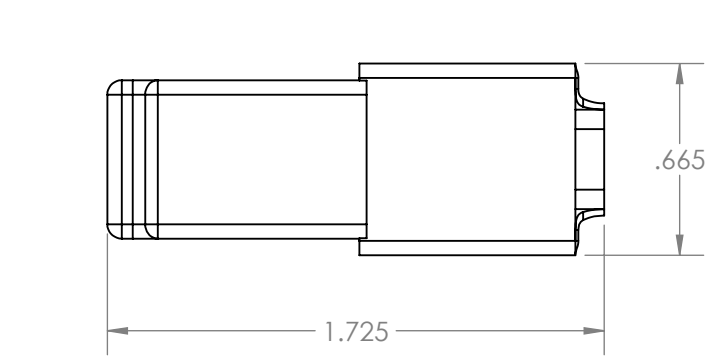
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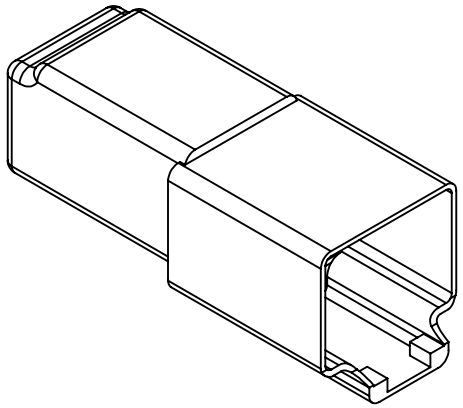
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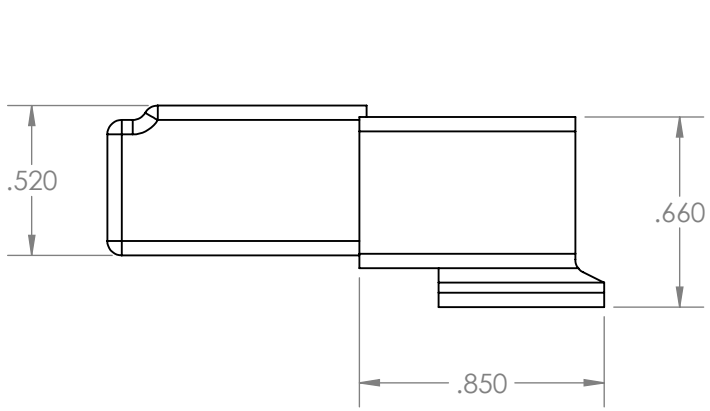
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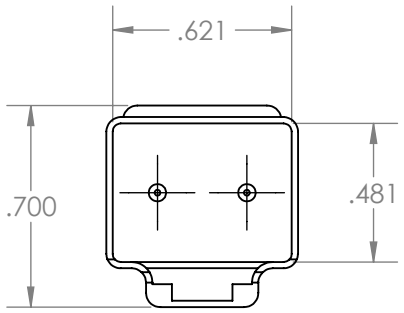
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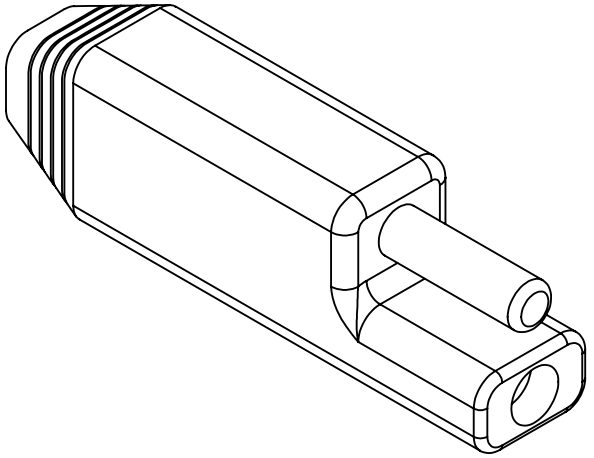
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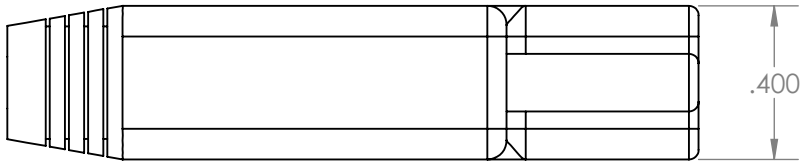
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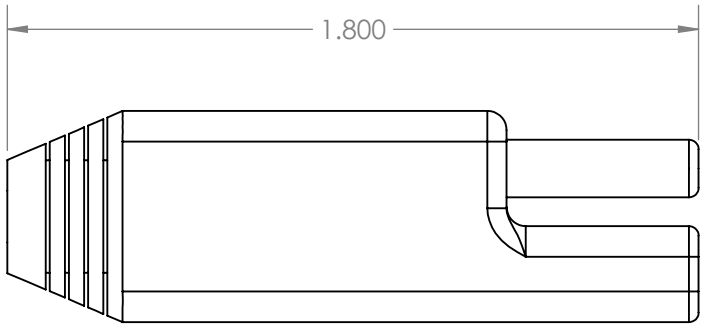
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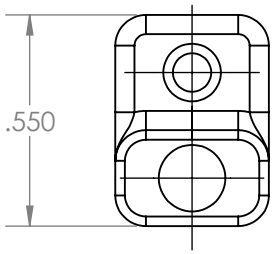
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Frequently Asked Questions (FAQ)