The Light Source
Purlin Clamp



The Purlin Clamp is perfect for installing almost anything to bar joists, purlins and I-beams up to 1" thick. A 1/2"-13 x 2.5" fully threaded square head set screw is provided for locking onto the structural member. A 1/2"-13 x 1" grade 5 Hex Head Bolt is supplied to connect the load. Or use a 1/2"-13 tpi threaded rod to support a load at any length. The Purlin Clamp has Micro-grooves for a secure connection to beam. The 1/2" fastener Purlin Clamp body is extruded from aircraft grade aluminum and is 1" thick, -HD is 1.5" thick.

The Purlin Clamp is also available with 3/8"-16 tpi fasteners. 3/8"-16 tpi x 2.5" fully threaded square head set screw is provided for locking onto the structural member. A 3/8"-16 x 1" grade 5 Hex Head Bolt is supplied to connect the load. Or use a 3/8"-16 tpi threaded rod to support a load at any length. The 3/8" fastener Purlin Clamp body is extruded from aircraft grade aluminum and is 5/8"" thick, -HD is 1" thick.

In November 2024 we made a more conservative change in the PC line load ratings and added the -HD for a heavy duty clamp. All of the previously shipped clamps exceeded the OSHA load rating requirements with their stamped ratings, but we wanted to increase the safety margin further. There have been zero failures in the field. These changes have been done to make an even safer product going forward.

Working Load Limit	PCM1/2-HD 500 lbs.; PCM1/2 375lbs.; PCM3/8-HD 300lbs.; PCM3/8 210lbs.
Hardware	1/2 x 2-1/2" Square Head Set Screw or 3/8 x 2-1/2" Square Head Set Screw .5 x 1" Hex Head Cap Screw 1" Belleville Washer
Dimensions	3 3/8" x 3 7/8"
Weight	0.70 lb.
Case Quantities	each

Order Codes

PCB1/2 Purlin Clamp, 1/2" Fasteners, Black
PCB1/2-HD Purlin Clamp, Heavy Duty, 1/2" Fasteners, Black
PCB3/8 Purlin Clamp, 3/8" Fasteners, Black
PCB3/8-HD Purlin Clamp, Heavy Duty, 3/8" Fasteners, Black
PCM1/2 Purlin Clamp, 1/2" Fasteners, Silver
PCM1/2-HD Purlin Clamp, Heavy Duty, 1/2" Fasteners, Silver
PCM3/8 Purlin Clamp, 3/8" Fasteners, Silver
PCM3/8-HD Purlin Clamp, Heavy Duty, 3/8" Fasteners, Silver

The Light Source, Inc. 3935 Westinghouse Blvd. Charlotte, NC 28273 Phone: 704-504-8399 Fax: 704-588-4637
www.thelightsource.com