

SOLAR SECURING SOLUTIONS

Cable Bracing & Tensioning



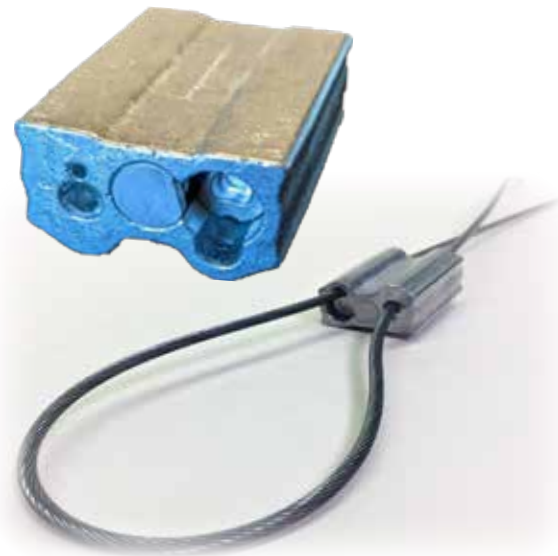
FALCON LOCKGRIP™

FALCON LOCKGRIP™

Cable Bracing and Tensioning

The Falcon Lock Grip LG-3 is designed to provide a two-way grip of wire rope for a variety of bracing applications including solar applications. The LG-3 can be used to couple wire ropes or form a loop with little loss of load capacity. In solar bracing applications, the LG-3 provides a very quick, easy method to tie, brace, and tension solar racks.

In addition to high load capacity, the LG-3 utilizes patent pending Dynamic Vibration Arrest (DVA) technology. Engaged by tightening the lock-screw, a secondary clamp is positioned to pinch each wire against the case (in addition to the primary wire grip(s)). This ensures the entire device vibrates in unison with the wire. Without DVA, in the case of wind or other vibration, a wire grip can shake loose, allowing the tie to fail. DVA prevents vibration failure. LG-3 grips provide the highest level of safety with the easiest installation and widest application portfolio of any gripping device.



Falcon LockGrip LG-3 provides a two way grip of 1/8" (3mm) wire rope for a variety of bracing applications.

Benefits and Uses of the LockGrip Tensioner

- Squaring Tensile Brace
- Create Wire Rope Loop
- Couple Wire Ropes
- High-Load Capacity
- Vibration Resistance
- All Metal Construction
- Easily Adjustable
- Labor and Shipping Friendly

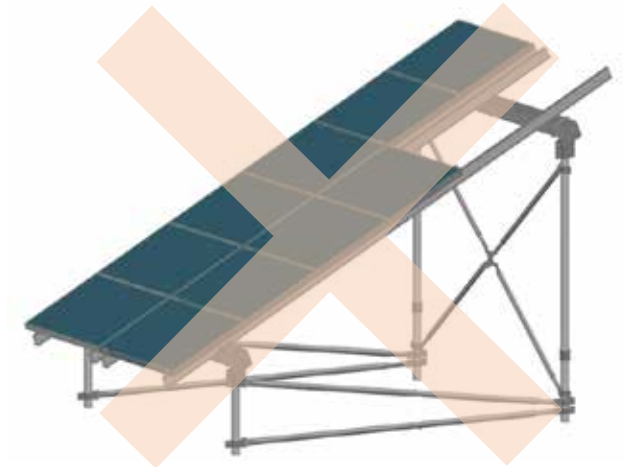
System Performance Loading Chart		
	Maximum Working Load	Safe Working Load (Max Working Load/1.3 Safety Factor)
LG-3 with 1/8" Cable (Loop)	1,850 lbs*	1,425 lbs
* Maximum load verified by independent, accredited third party testing, when used in conjunction with cable supplied by Western Green.		



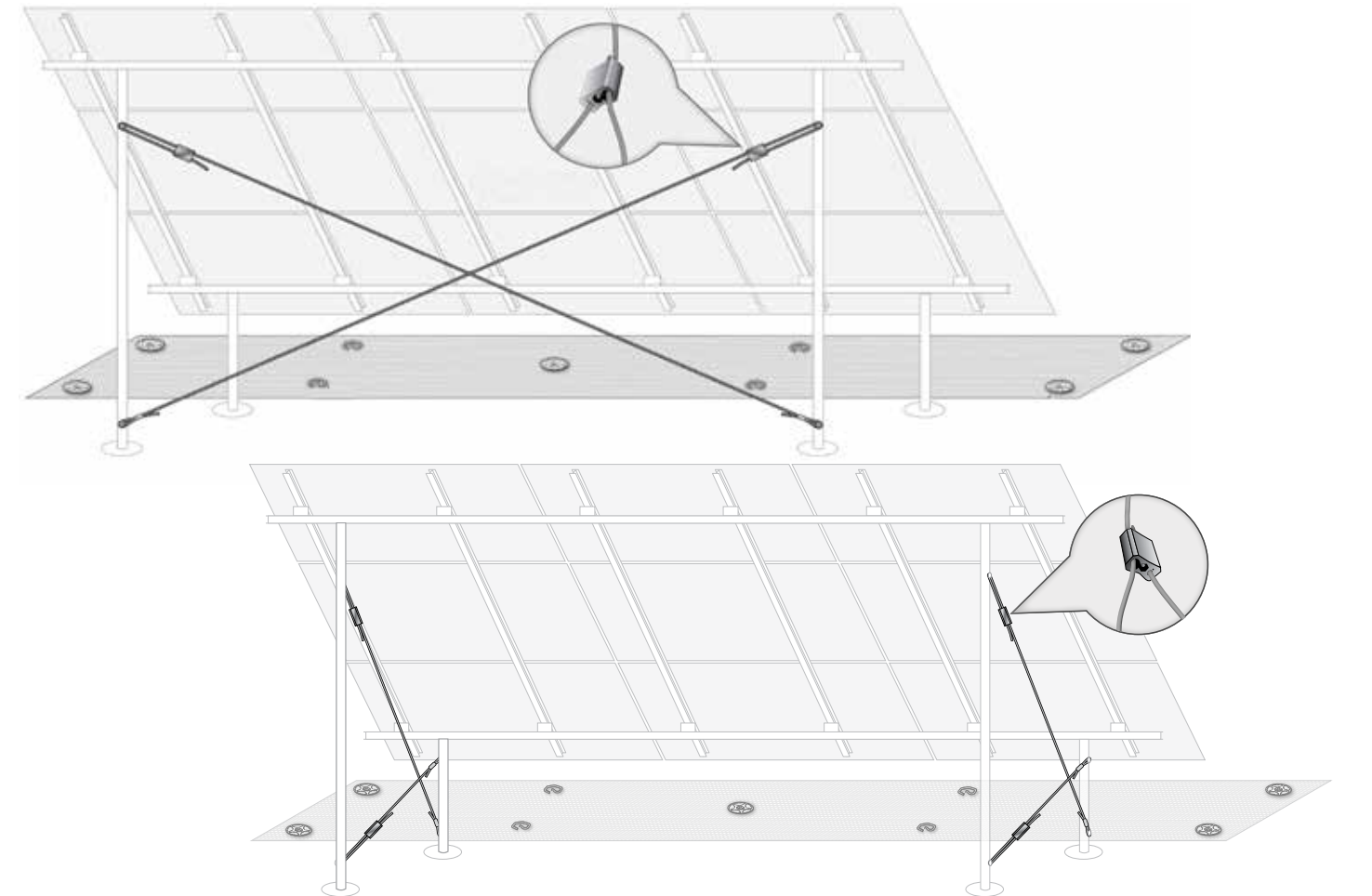
Flexible Bracing versus Rigid Bracing

Utilizing flexible bracing over traditional rigid systems can create a safe method to install solar racks while retaining structural integrity. Benefits include:

- Light-weight bracing that removes heavy framework, reducing installation time and costs.
- High-strength system that maintains structural integrity against active forces such as strong winds and temperature fluctuations.
- Easily adjustable on site and can be tensioned using simple tools to engineered rack specifications.
- Green, eco-friendly application reducing carbon footprint of the full system.



Example of traditional rigid solar rack bracing. Utilizing flexible bracing can have many added benefits on total system costs.



Bracing of a solar rack with a pair of Falcon cable braces utilizing the 2-way grip of the LG-3 tensioner. The LG-3 tensioner can be used to tension wire in many applications including but not exclusive to the solar installation applications. Once tightened the LG-3 can be set with the adjustable screw. If you need to adjust at a future time, the LG-3 can be re-set without needing to cut the cable. Cable bracing may include cross bracing of back legs (top) or front to back leg bracing (bottom).

FALCON LOCKGRIP™

Installation Made Easy with Falcon LockGrip™

The Falcon LockGrip LG-3 tensioner can be used in a variety of configurations for different applications. The two, one-way grips are designed to allow adjustable grip locking by activating and setting the dynamic vibration arrest (DVA) feature. The grip can be used to couple cables together or form a loop, allowing the cable to be passed through/around a lash point to fix structures/assemblies. Once the cable(s) have been passed through the grip, the DVA is engaged by twisting the set screw. Once completed, the wire is clamped to the case of the grip, keeping the grip from vibrating independent of the cable in windy conditions.

The tensioning of the Falcon LockGrip LG-3 can be done by several methods including by hand or with the use of manufacturers' suggested wire tensioning tool. The wire cable should be tensioned to the engineered rack specifications.

Follow the QR code to see the Falcon LockGrip LG-3 in action on a solar rack bracing application, and see our full LG-3 installation guide for step-by-step instructions on setting, tensioning, and adjusting the LG-3 tensioner.



SCAN QR CODE
For Full Installation Video





DISTRIBUTED BY:

ASP Enterprises, Quick Supply Co., Bowman Construction Supply & Cascade Geosynthetics are sister companies that serve customers from the Midwest, across the Rocky Mountains to the Pacific Northwest. Together we supply customers with a variety of environmental construction materials including erosion and sediment control, geosynthetics, stormwater management, drainage products, hardscapes and outdoor living, revegetation and soil amendments, waterproofing solutions and more.



We are full line distributors of environmental construction materials for all project types. Contact us for assistance with a project or a quote on products. From specification recommendations and project development to installation and completion, we're here to help with all of your site solution needs. Our warehouses are stocked with readily available inventory and we offer same and next-day deliveries.

ASP ENTERPRISES

aspent.com

salesasp@aspent.com

ST. LOUIS

1099 Cassens Industrial Ct.
St. Louis, MO 63026
636-343-4357

KANSAS CITY

5301 E 59th St.
Kansas City, MO 64130
816-554-1191

OMAHA

15263 Cooper St.
Omaha, NE 68138
402-861-8579

WICHITA

316-393-1554

WENTZVILLE

1906 E Service Rd. HWY 61 N
Wentzville, MO 63385
636-445-9090

QUICK SUPPLY CO.

quicksupplyco.com

salesquick@quicksupplyco.com

DES MOINES

6620 NW Toni Dr.
Des Moines, IA 50313
515-289-1271

BOWMAN CONSTRUCTION SUPPLY

bowmanconstructionsupply.com

salesbcs@bowmanconstructionsupply.com

DENVER

10801 E. 54th Ave.
Denver, CO 80239
303-696-8960

COLORADO SPRINGS

2445 Wayside Ct.
Colorado Springs, CO 80915
719-257-7840

LOVELAND

4495 Woods Ave.
Loveland, CO 80538
970-535-0863

CASCADE GEOSYNTHETICS

cascadageos.com

salescascade@cascadageos.com

PORTLAND

3610 N. Suttle Rd. Bldg B
Portland, OR 97217
971-339-1020

SALT LAKE CITY

425 N. Neil Armstrong Rd.
Salt Lake City, UT 84116
435-276-0820

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
REVEGETATION & SOIL AMENDMENTS | SEDIMENT CONTROL | HARDSCAPES**