



PowerGrip™ 7

Universal ROOF MOUNT SYSTEM

PRODUCT DATA SPECIFICATIONS

PRODUCT DESCRIPTION

OMG PowerGrip™ Universal 7 is designed to secure solar racks and other equipment to commercial roofs.

OMG PowerGrip Universal 7 (PGU-7) units are compatible with most commercial roofing systems and connect directly to the roof deck for maximum strength. Once secured in place, properly installed and watertight PGU-7s can help to eliminate rack movement.

FEATURES & BENEFITS

- Compatible with all major commercial roofing systems and most commercial solar systems.
- PGU-7s are secured directly to the deck thereby transferring wind uplift and dead weight loads directly to the structural members. This often eliminates the need for ballast and protects insulation from being compressed.
- PGU-7 units are watertight without flashing, which saves labor and eliminates the need for power on the roof during installation. However, if a redundant water barrier is desired, they can be flashed for extra protection.

PERFORMANCE

TEST	TEST METHOD	RESULTS (4 FASTENERS)	RESULTS (8 FASTENERS)
Static Tensile Load	TAS 117 (A)	2,042 lbf. (9.08 kN)*	3,272 lbf. (14.55 kN)*
Static Shear Load	ASTM E488	1,581 lbf. (7.03 kN) **	2,468 lbf. (10.98 kN) **
Compressive Load	ASTM D1621-10	2,214 lbf. (9.84 kN) **	Pending

*As tested on 22 GA, type B, Grade 40 structural steel deck.

**As tested on 22 GA, type B, Grade 40 structural steel deck, with 1-in. of polyisocyanurate insulation and 1/4-in. DensDeck Prime cover board.

Please note: Testing is based on "ultimate failure," which in all cases was in the roofing system components, not the PowerGrip Universal 7 unit. Tensile and shear load failure occurred when the fasteners pulled out of the steel deck (i.e. at deck failure). Test reports are available for engineering needs.

APPLICATION

PowerGrip Universal 7 is designed for uplift, shear resistance, and dead load support.

PGU-7s are typically installed with four roofing fasteners, but can accommodate up to eight fasteners for added strength. OMG Roofing Products offers several fastener options based on the specific deck type and roofing application:

- OMG XHD® Roofing Fastener (#15)
- OMG RetroDriller Fastener
- OMG HD Roofing Fastener (#14)

Visit OMGRoofing.com for specific fastener details, sizes, specifications and packaging information. Some sizes of HD and XHD Fasteners are available in 100-packs.

A water cut-off mastic/sealant must be applied during installation. The specific product used depends on the roofing material. Consult the roofing system manufacturer or call OMG for information.

OMG PGU-7 units should be installed with a standard screw gun rather than an impact driver, and cap bolts must be secured in a criss-cross pattern to 60-70 inch pounds.

It is highly recommended that OMG PowerGrip products only be installed by authorized roofing contractors. Always consult the roofing system manufacturer prior to installation.



DIVERSE USE

In addition to securing solar rack systems, OMG PowerGrip roof mounts can also be used for many other roof-top applications, including: pipe supports and hangers, step crossovers, electrical conduit, raceways, satellite dishes, small antennas, and HVAC applications, among others.

PHYSICAL DIMENSIONS

Cover Plate Diameter	7-in. (178 mm)
Installed Height (without Stud)	3/4-in. (19 mm)
Total Installed Height (with Stud)	1 5/8-in. (41.3 mm)
Stainless Steel Bolt/Mounting Stand Dimension	7/8-in. (22.2 mm) tall x 3/8-in. (9.5 mm)

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	QTY.	WEIGHT LBS (KG)
PGRPU7-STD2	PGU-7	2	2.94 (1.33)
PGRPU7-STD12	PGU-7	12	16.52 (7.49)

For more information, contact your local OMG sales representative, call 800.633.3800 or visit OMGRoofing.com.

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Superior performance.

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