



# PowerGrip™ 7

Universal ROOF MOUNT SYSTEM

## PRODUCT DATA SPECIFICATIONS

### PRODUCT DESCRIPTION

OMG PowerGrip™ Universal 7 is designed to secure solar racking 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 surface 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 roof surface, thereby transferring wind uplift and dead weight loads directly onto 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 labour 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)	9.08 kN*	14.55 kN*
Static shear load	ASTM E488	7.03 kN**	10.98 kN**
Compressive load	ASTM D1621-10	9.84 kN**	Pending

\*As tested on 22 Ga, type B, grade 40 structural steel roofing.

\*\*As tested on 22 Ga, type B, grade 40 structural steel roofing, with 25 mm of polyisocyanurate insulation and 6 mm DensDeck Prime cover board.

Please note: Testing is based on '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 surface (i.e. at roofing failure). Test reports are available for engineering purposes.

### 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 roof type and roofing application:

- OMG XHD® Roofing Fastener (no. 15)
- OMG RetroDriller Fastener
- OMG HD Roofing Fastener (no. 14)

Visit [OMGRoofing.com](http://OMGRoofing.com) for specific fastener details, sizes, specifications and packaging information.

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 more information.

OMG PGU-7 units should be installed with a standard screwdriver rather than an impact driver, and cap bolts must be secured in a criss-cross pattern to 6.7-7.9 Nm.

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



### DIVERSE USE

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

### PHYSICAL DIMENSIONS

Cover plate diameter	178 mm
Installed height (without stud)	19 mm
Total installed height (with stud)	41.3 mm
Stainless steel bolt/mounting stand dimensions	22.2 mm tall 9.5 mm

### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	QTY	WEIGHT KG
PGRPU7-STD2	PGU-7 for non-PVC applications	2	1.33
PGRPU7-STD12	PGU-7 for non-PVC applications	12	7.49
PGRPU7-PVC2	PGU-7 for PVC applications	2	1.33
PGRPU7-PVC12	PGU-7 for PVC applications	12	7.49

For more information, contact your local OMG sales representative or visit [OMGRoofing.com](http://OMGRoofing.com).

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