

#14 PANCLIP SD-L Fastener



#14-13 fastener low profile head fastener designed for applications that require a high strength fastener available in long lengths. Popular for many applications: Panel clip/Commercial Roofing Stress Plate/Plywood/Nailboard/commercial/Fixture attachment and more... The multi-purpose nature of the Panclip SDL allows it to be installed into wood, light gauge metal up to 16ga and masonry/concrete substrates with a 3/16" pre-drill. This fastener meets 2017 Florida Building Code corrosion resistance requirements of R904.5.2 (and FBC 1506.6). The Black DMG85 coating covers the whole fastener helping the 1-1/2" and 2" parts to receive a Miami-Dade County P.C Listing # L 21-0630.03 for corrosion resistance and shear strength.



Performance Specifications

| | |
|---|----------------------|
| Torsional: | 110 in-lbs |
| Pull out S.Yellow Pine 1" | 995 lbs ult |
| Pull out 1/2" Plywood | 423 lbs ult |
| Pull out 3/4" Plywood | 630 lbs ult |
| Pull out 22 ga (102 KSI) | 575 lbs ult |
| Pull out 22 ga (80 KSI) | 456 lbs ult |
| Pull out 16 ga | 1103 lbs ult |
| Pull out 4000 psi concrete | 675 lbs avg |
| Pull out CMU Block | 532 lbs avg |
| Pullover: 24ga 330 lbs, 20ga 575 lbs, 18ga 1997 lbs | |
| Test notes revealed severe deformation of clip prior to pullover condition at the fastener hole | |
| Head Height | .090" - .102" |
| Head Diameter: | .490" - .510" |
| Thread Diameter: | Maj: .238" Min .180" |
| Thread Style: | 13TPI Buttress |
| Drill Performance: | Up to 16ga Steel |
| Country of origin/COO: | Taiwan |

Above values are average ultimate values. Values may change with strength and condition of substrate wood. 410 Stainless Steel parts (PANCLIP SD-SS-L) are available for pressure treated lumber and coastal applications.

Size Selection

| Size | Qty/Box | Part# | M/D Listing # |
|--------------|----------|----------------|---------------|
| #14 x 1-1/2" | 2500 | DMIPL1415D | L 21-0630.03 |
| #14 x 1-1/2" | 100/2400 | DMIPL1415D100 | L 21-0630.03 |
| #14 x 2" | 100/2400 | DMIPL1420D100 | L 21-0630.03 |
| #14 x 3" | 2000 | DMIPL1430D | |
| #14 x 3" | 100/1600 | DMIPL1430D100 | |
| #14 x 4" | 1000 | DMIPL1440D | |
| #14 x 4" | 100/1600 | DMIPL1440D100 | |
| #14 x 5" | 1000 | DMIPL1450D | |
| #14 x 5" | 100/1200 | DMIPL1450D100 | |
| #14 x 6" | 1000 | DMIPL1460D | |
| #14 x 6" | 100/1200 | DMIPL1460D100 | |
| #14 x 7" | 1000 | DMIPL1470D | |
| #14 x 8" | 1000 | DMIPL1480D | |
| #14 x 10" | 100/300 | DMIPL14100D100 | |
| #14 x 12" | 100/200 | DMIPL14100D100 | |

Threading: 1-1/2" - 4" lengths are fully threaded otherwise 4" of thread under the head.

Installation

#2 square drive suggested.
0-2500 rpm electric screw gun with depth sensing nose piece or torque control device. Suggested 1800 rpm.
Do not overdrive or under drive, not suggested for use with impact driver installation tools. Suggested 1" minimum penetration into substrate.

Wood / Light Gauge Steel:

Installations into wood or light gauge metal up to 16ga thick there is no pre-drill required.

Masonry / Concrete:

Installations into concrete block or poured concrete require a pre-drill with a 3/16" diameter masonry drill bit of sufficient length to drill a hole 1" deeper than the expected fastener penetration. Clean hole of dust prior to install.

Corrosion Resistance:

This fastener meets 2017 Florida Building Code corrosion resistance requirements of R904.5.2 (and FBC 1506.6). This is done by use of the DMG85 Coating (over galvanizing/zinc plating). This coating has been tested to ASTM B117 1000 hour standards.

This coating on this specific screw has also been tested to a higher standard test, the HVHZ and Miami-Dade Fastener listing standards. ASTM G85 Annex A5/TAS 114 Appendix E. 280 hour standard.

This DMG85 coating on other DMI fasteners has also been tested to a higher standard test, ASTM G85 Annex A5/TAS 114 Appendix E. 1000 hour standards.

To find a distributor call 855-800-8878 or visit www.directmetalsinc.com