

#14 PANCLIP SD-SS-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 SD-SS-L allows it to be installed into wood, light gauge metal up to 18ga and masonry/concrete substrates with a 3/16" pre-drill. This fastener meets 2017 & 2023 Florida Building Code corrosion resistance requirements of R904.5.2 and FBC 1506.6. The Silver DMG85 coating covers the whole fastener to help inhibit surface rust that you may find on bare 410 stainless steel competing products.



Performance Specifications

Torsional:	(CS) 110 in-lbs
Pull out S.Yellow Pine 1"	(CS) 995 lbs ult
Pull out 1/2" Plywood	(SS) 462 lbs ult
Pull out 3/4" Plywood	(CS) 630 lbs ult
Pull out 22 ga (102 KSI)	(CS) 575 lbs ult
Pull out 22 ga (80 KSI)	(SS) 448 lbs ult
Pull out 20 ga (80 KSI)	(SS) 759 lbs avg
Pull out 16 ga	(CS) 1103 lbs ult
Pull out 4000 psi concrete	(CS) 675 lbs avg
Pull out CMU Block	(CS) 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" - .010"
Head Diameter:	.490" - .510"
Thread Diameter:	Maj: .238" Min .180"
Thread Style:	13TPI Buttress
Drill Performance:	Up to 18ga Steel
Country of origin/COO:	Taiwan

Above values are average ultimate values. Values may change with strength and condition of substrate wood. Above values with (CS) are carbon steel testing values, values with (SS) are 410 stainless steel testing values.

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Size Selection

Size	Qty/Box	Part#
#14 x 1-1/2"	2500	DMIP41415D
#14 x 3"	1000	DMIP41430D
#14 x 5"	500	DMIP41450D
#14 x 7"	500	DMIP41470D
#14 x 10"	500	DMIP414100D

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 DMG85 coating on other 410 Stainless Steel DMI fasteners has also been tested to a higher standard test, ASTM G85 Annex A5/TAS 114 Appendix E. 1000 hour standards, the 1-1/2" length has a Miami-Dade Listed Product Certificate # L 25-0521.13 Listing certifying corrosion resistance and shear strength.

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