

# PANCLIP-SD SS SD3 410 STAINLESS STEEL PURLIN FASTENER



Designed for stress plate, bearing plate, panel clip or fixture attachment to steel beam substrates up to 0.210" thick.  
Designed for use in highly corrosive areas such as coastal applications.



## Features:

- Panclip head for a low profile installed profile.
- Full 410 Hardened Stainless Steel for corrosion resistance.
- Corrosion resistant DMG85 ceramic coating tested to ASTM G85-11, Annex5 and TAS114, appendix E for extended surface corrosion resistance.
- Square Drive #3 for driving stability and driver strip-out resistance
- Precision formed drill point for installation performance into multi thickness steel.

## 1/4-14 Specifications

Material: 410 Stainless Steel  
Coating: DMG85 Ceramic  
Head Marking: DMI  
Drive: #3 Square Drive  
Drill Point: SD3  
Threaded for steel: .036" - .210"  
Drill Steel up to: .210"  
Head Height: .112" - .120"  
Thread Diameter: Maj: .246" Min: .215"  
Drill Bit Length to F2T : 0.48"  
Threaded: Up to 3.5" of thread

Tensile Strength: 3,610 lbs ult  
Torsional: 150 in-lbs  
Shear: (14 ga) 2,715 lbs ult

### Pull out / Withdrawal Values:

22 ga Steel	263 lbs avg
18 ga Steel	390 lbs ult
16 ga Steel	484 lbs ult
14 ga Steel	1,113 lbs ult
12 ga Steel	1,290 lbs ult

### Code Compliance

Florida Building Code Compliant 1506.6  
Country of origin/COO: China (PRC)



## Selection

Available Sizes	Qty/Box	Part#
1/4-14 x 1"	3,000	DMIP41410DC
1/4-14 x 2"	2,000	DMIP4314200DC
1/4-14 x 4"	1,000	DMIP4314400DC
1/4-14 x 6"	1,000	DMIP4314600DC
1/4-14 x 8"	500	DMIP4314800DC

## Corrosion Resistance

This fastener meets Florida Building Code corrosion resistance requirements of R904.5.2 (and FBC 1506.6). This is done by use of the DMG85 Coating 410 Stainless Steel base metal.

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.

## Installation

3 square driver is used for installation.  
0-2500 rpm electric screw gun with depth sensing nose piece or torque control device. For best results with heavier steel use a 1000 rpm electric screw gun.  
SD3 Suggested for metal substrates up to 0.210"

**Limitations:** Not recommended for use with copper roofing panels. Not recommend for installation by impact drivers. Contact DMI for MSDS information Contact DMI at 855-800-8878 with questions.