

# PANCLIP-SD HD SD4 MTM HEAVY PURLIN FASTENER



Designed for bearing plate, panel clip or fixture attachment to steel beam substrates 0.12" to 0.25" thick.

## Features:

- Panclip head for a low profile installed profile.
- Zinc plated plus additional 1000 hr coating tested to exceed ASTM B117 and FBC 1506.5 corrosion resistance standards.
- Corrosion resistant coating tested to ASTM G85-11, Annex5 and TAS114, appendix E for extended surface corrosion resistance.
- Square Drive available for driving stability and driver strip-out resistance
- Precision formed drill point for installation performance into multi thickness steel.



## 1/4-20 Specifications

Tensile Strength: 3,870 lbs ult  
Torsional: 150 in-lbs  
Shear: (14 ga) 2,715 lbs ult

Pull out :  
20 ga 353 lbs ult  
12 ga 1,817 lbs ult  
1/8" (0.125") 2,600 lbs ult

Pullover:  
24 ga 330 lbs  
18ga 1,997 lbs

Above values are average ultimate values. Values may change with strength and condition of substrate.

Head Height 0.120"  
Head Diameter: 0.490" - 0.510"  
Thread Diameter: Maj: .247" Min .210"  
Drill Bit Length to F2T : 0.675"  
Threaded: Up to 3" of thread  
Drill Performance: Up to 1/4" Steel  
Country of origin/COO: Taiwan

#3 square driver is used for installation.  
0-2500 rpm electric screw gun with depth sensing nose piece or torque control device.  
SD4 Suggested for metal substrates 0.12" to 0.25"

## Selection

### #14 (1/4-20) SD4

| Available Sizes | Qty/Box | Part#        |
|-----------------|---------|--------------|
| 1/4-20 x 1-1/2" | 2,500   | DMIP514150TC |
| 1/4-20 x 3"     | 1,500   | DMIP514300TC |
| 1/4-20 x 5"     | 1,000   | DMIP514500TC |
| 1/4-20 x 7"     | 500     | DMIP514700TC |

## 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 (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.

**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.