

PRODUCT OVERVIEW

ArcticAnchor™ clamps install in seconds, while delivering secure rail fastening for extreme environments. Using pre-installed 304 stainless steel screws with POM nylon tips, this lightweight TitanCore™ clamp eliminates corrosion and reduces installation time. Its low thermal expansion and UV-stabilized design ensure durability, while color-matching options enhance aesthetics, making it the most rigorously tested clamp on the market.

TESTING & CERTIFICATIONS

Testing Methods: Validated through fatigue, load, UV exposure, thermal cycling, and environmental tests, including cold and humidity conditions.

ASTM E8/E8M - Tensile Strength

ASTM D5961 - Insert Pull-Out Strength

ASTM D6264 - Screw Torque Stress

ASTM D2990 - Long-Term Load Creep

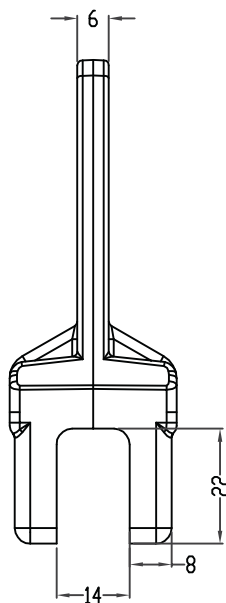
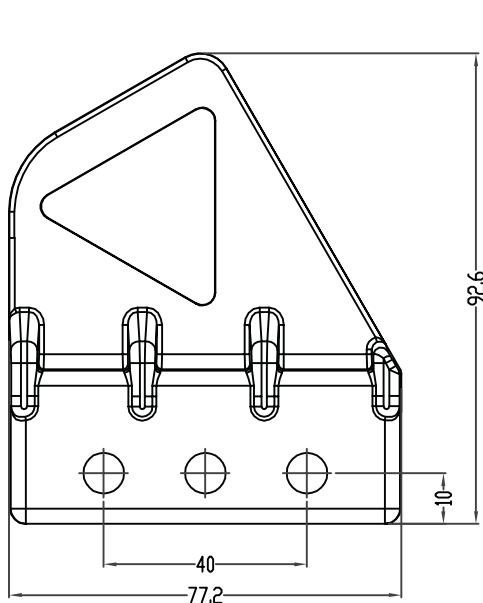
ASTM D1183 - Thermal Cycling

ASTM D794 - Linear Thermal Expansion

ASTM E1592 - Tensile Load Testing

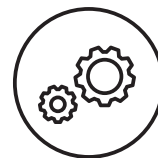
FEATURES

- **NO METAL CONTACT, PREVENTS CORROSION**
- **POM NYLON-TIPPED SCREWS, NON-PENETRATING**
- **NYLON-PATCHED SCREWS, NO LOCTITE NEEDED**
- **ALL SCREWS COME PRE-INSTALLED, SPEEDS UP INSTALLATION**
- **MADE FROM LOW THERMAL EXPANSION TITANCORE™ MATERIAL**
- **LIGHTWEIGHT AT 1.3 OZ**
- **UV-STABILIZED FOR LONG TERM DURABILITY**
- **COLOR-MATCHABLE TO ANY ROOF**
- **MOST RIGOROUSLY TESTED CLAMP ON THE MARKET**

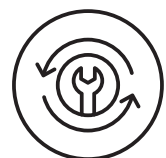


TORQUE SETTINGS

Recommended Torque: 40–50 ft-lbs (54–68 Nm) for screws to ensure secure fastening without over-compression. Calibration before installation is recommended.



Calibrate Drill to
40psi/55Nm



Maximum Torque
55psi/75Nm