



# NanoGalv<sup>®</sup> Fasteners

## Technical Datasheet

**NanoGalv<sup>®</sup> is a zinc-nickel nanolaminate technology that provides excellent corrosion resistance across a broad range of fastener applications.**

<b>Nanolaminate Thickness</b>	8 microns minimum on significant surfaces
<b>Industry Designations</b>	ASTM F1941 Fe/Zn-Ni 8BN ASTM B841 Class 2 Type AN
<b>Coefficient of Friction (ISO 16047 K-Factor)</b>	0.15 +/- 0.04 with lubricant
<b>Operating Temperature</b>	-148F to 392F (-100C to 200C)
<b>Market Applications</b>	Infrastructure, Marine, Oil & Gas, Transportation
<b>Salt Spray (ASTM B117)</b>	>3000 hours
<b>Cyclic Corrosion (GMW 14872)</b>	120 cycles with stress
<b>Coating Adhesion (ASTM B571)</b>	Pass: Bend, Burnish, Heat/Quench & Impact
<b>Hydrogen Embrittlement (ASTM F519)</b>	Pass 200h sustained load test
<b>Substrate Compatibility</b>	Carbon steel and low alloy steels. High strength steels are baked per ASTM B850
<b>Installation Compatibility</b>	Carbon, alloy, and stainless-steel connections