INNOVATIVE SOLUTIONS

 The quality of solutions advances through innovation. That is why Ciser has an area exclusively dedicated to innovation, which develops fasteners according to market trends and novelties.



Ideal for fastening on plastic substrates that are subjected to vibration. It was developed to increase the anchoring between the fastener and the substrate after application, guaranteeing a minimum 20% increase in the torque necessary for removal. The fastener is removable and can be re-applied without causing damage to substrates. Recommended use in washing machines, electric saws, pressure washers, lawn mowers, among other applications, especially when vibration levels are substantial.



CARBON STEEL SOLAR HANGER BOLT WITH DRILL POINT

The rod is used with nuts and a sealing washer to fix the solar module support structure on the metal purlin and roofs with single trapezoidal and/or thermoacoustic shingles. The product offers increased tensile, bending, and shear strength, with one-time installation without the need for pre-drilling. Furthermore, the calibration wings significantly reduce the risks of leakage, ensuring a good fit of the sealing.





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TECHNOLOGY THAT WITHSTANDS TIME

Nanotec consists of a top coat that contains, among other chemical compounds, ceramic nanoparticles in its composition where corrosion resistance can reach up to 20 times more compared to other similar items. It has excellent adhesion to the base coating, whether it is an electrolytic zinc, zinc alloy or organometallic.



The Nanotec Aluminium coat relies on a combination of nanoparticles to minimize the accelerated galvanic corrosion of fasteners mounted on aluminium profiles and structures. The result is increased longevity of the materials on which it can be applied.



Innovative and unique zink flake coating patented by Ciser, being suitable for hexagonal or slotted fasteners offers greater surface hardness of the protective film in relation to other organometallic coatings on the market, mitigating failures due to coating peeling. Furthermore, the coating prevents hydrogen embrittlement in high-strength items.



High-tech transparent top coat composed of organo-ceramic nanomaterials and stainless steel microparticles for increased corrosion resistance for coated metal materials. The coating ensures up to 1,500 hours of corrosion resistance in the Salt Spray test, surpassing the strength of 410 stainless steel by 70%.



The coating has a combination of nanoparticles that inhibits acid rain corrosion, resisting 45 cycles in the Kesternich controlled test, in addition, of course, to the resistance to Salt Spray that is already a trademark of the Nanotec line. The result is increased longevity in fasteners applied to metal roofs, for example.

