



Why Are You Still Using Weld Nuts?

The necessity to find nuts, bolts, and screws that beat the forces of friction is the ever-elusive holy grail of fasteners. Buildings grow taller, trains move faster, and automobiles have higher safety and strength requirements to handle the new level of forces were encountering now.

Costing companies millions of dollars a year, the solution to excessive maintenance on loosening nuts wasn't recognized till the early 1900's. This continuing drive to produce products retaining greater torque and longevity led to the development of weld nuts and screws. Weld nuts and screws date back to 1926, where they were even used in Fords' Model A.

Weld nuts created the consensus that the quest for the solution of nut dilation was over. This was only partially true.

Weld nuts solved the issue of constant maintenance on loosening nuts, but created several other concerning issues. When using weld nuts, you turn a typical and easy installation into a much more complicated and time consuming process, significantly increasing installation costs. With the weld nut came the need for skilled and often highly paid workers.

Heat generated from the welding process may also reduce the strength of the metals being joined, defeating the intended purpose of higher torsion joints. The strength is determined by the quality of welds and the materials welded together, further stressing the need for skilled workers. When combining the costs of fixing mistakes, the additional variables with installation, and the apparent safety risks, weld nuts are far from the perfect solution.

CrushLock™ nut is the answer for those looking for the performance of a weld nut without the additional difficulty, costs, and variables of installation. Providing a permanent, vibration proof nut fastener, the CrushLock nut replaces weld nuts in most real-world applications.

The CrushLock patented design revolutionizes the installation and application of permanent vibration proof fasteners. By converting the friction forces in the nut to permanent internal compression. The CrushLock design cancels out all nut dilation. Removing the need for welding results in a large cost decrease for installation and eliminates the loss of strength due to heat.

CrushLock, Inc. is revolutionizing the fastener industry with its patented vibration resistant nut fastener for permanent nut applications. Not for use on every application the CrushLock nut is paving the way, replacing the commonly used weld nuts in the oil, automotive, transportation, and utility industries.

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