

XBolt™

Description

Heavy duty structural blind anchor bolt with all zinc plated steel construction. The sheet metal housing allows the bolt and nut to be inserted into a substrate from one side. When the specially machined 3/8" threaded bolt is inserted, it pushes the nut into position. As the bolt is tightened, the housing rivets break free allowing the nut to travel up the bolt and seat securely against the underside of the substrate.

The T-nut is solid steel. The thickness of the nut provides as much, or more thread depth and sidewall thickness as a standard nut used with a standard 3/8" bolt. The housing features an inner sleeve (collet) to keep the bolt centered and prevent movement under shear loading after installation.

The XBolt™ can be installed in any direction and at any angle, even upside down. It does not rely on gravity or springs to toggle the nut during installation, but rather uses positive contact between the specially machined bolt and nut to flip the nut in place.

The bottom line is this simple blind anchor system is as good as through-bolting with a 3/8" high strength bolt and nut, but is faster to install and can be done from one side with only one person.

Material

- Bolt: 3/8" grade 5 steel, zinc plated
- T-Nut: Solid high strength 1018 steel
- Collet: CRS steel, zinc plated
- Housing: CRS sheet metal, zinc plated

Application

The XBolt™ is designed for mounting equipment to a substrates ranging from 1 3/4" to 6" thick, when there is only access to one side. It is high strength and heavy duty for mounting heavy equipment and other structural applications. The XBolt™ can be installed in any direction and at any angle, even upside down. It does not rely on gravity or springs to toggle the nut during installation, but rather uses positive contact between the specially machined bolt and nut to flip the nut in place.



PRODUCT DATA SHEET



XBolt
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www.roofscreen.com

Performance Standards

Since the XBolt™ is essentially an apparatus to install a nut and bolt in a blind application, the structural elements are the nut and bolt. Therefore, book values for a grade 5 steel bolt with nut can be used for determining capacity.

Installation

The XBolt™ is easily installed by one person.

1. Insert housing and T-nut into a 7/8" pre-drilled hole.
2. Apply thread sealer to bolt and insert it through the sleeve and housing. Start threads by hand to ensure proper threading.
3. Tighten bolt until the T-nut is firmly seated against underside of substrate.

