



FAQ – BOLT STAR®

Q: How many reuses will I get from the product?

A: Like any construction tool, the answer depends on how well you take care of it. Some contractors coat the tool with a release agent or non-stick spray before the pour while others simply wash it down after every pour. These contractors report getting six reuses from BOLT STAR, stating that it was durable and still going strong.

Q: Is BOLT STAR strong enough for the rigors of concrete construction given that it's made of ABS plastic?

A: Yes. The average person perceives steel or wood to be stronger than BOLT STAR's high strength ABS. This is a misperception. In extreme stress testing designed to simulate the downward forces on BOLT STAR during a cast-in-place pour, product engineers hung up to a whopping 1,000-lbs off a 7-foot rebar cage that was wired to the cage tie slots at the end of BOLT STAR's arms. This is so much weight that the rim of the concrete forming tube collapsed at 800-lbs, not BOLT STAR! In further testing, the tool was driven over by a 6,000-lb SUV and it popped back up without damage. Check out the videos at: www.bolt-star.com

Q: Can I fit two 2" conduits through the center opening?

A: The center opening is 4 1/8" inside diameter and each 2" conduit is approximately 2 3/8" in outside diameter. Thus, two 2" conduits will not fit through the opening, but there is a suggested work around. Given that there is 1 3/4" from top of form to bottom of the BOLT STAR template, it's possible to cut the conduits about 1/2" below the bottom of the BOLT STAR template and tape the conduit openings. Conduits should still project at least 1" above the top of finished base.

Q: Are the arms adjustable?

A: No, the arms are not adjustable and the product is currently available in the most common 18" and 24" sizes. A 30" and 36" product are undergoing development. Product engineers ruled out adjustability of BOLT STAR's arms in the early design stages due to the requirement to build in maximum strength and durability for the beating bolt templates take during cast-in-place

concrete pours. Contractors need to determine how many of each size they need for the jobs ahead and order accordingly.

Q: It seems expensive compared to the old fashioned method of making bolt templates out of wood?

A: Actually, the tool typically pays for itself on the first job and keeps paying dividends thereafter. Do the math. The amount of labor and materials expended in building a wood template for each pole base can vary from \$50 to \$100 or more depending on labor rates. BOLT STAR cuts the labor portion in half, and no additional materials are required to build future bolt templates since BOLT STAR is reusable. Factor in a 57% more efficient process, consistent quality and a lower risk of bolts shifting during finishing and BOLT STAR's value proposition far outweighs the conventional method. BOLT STAR sets a new standard for bolt templates.

Q: Will BOLT STAR fit on the outer diameter of nested round concrete forming tubes?

A: Yes, using the Xtender™ adaptor accessory. Manufacturers of round concrete forming tubes in some regions ship a “nominal” or larger outer diameter tube that is “nested” or slipped over the outside of standard 18” or 24” tubes to save on freight costs and storage space. These larger outer diameter tubes range in size from 19” to 19.4” nested over the 18” tube, and between 25.2” to 25.5” nested over the 24” tube. The Xtender snaps on to the end of each BOLT STAR arm and extends it to fit these larger outer diameter nested tubes. Xtender is interchangeable between the 18” and 24” BOLT STAR and is available as an accessory item from authorized distributors.

Q: Why does BOLT STAR come packaged in a 5-pack?

A: Most contractors will need at least ten BOLT STAR tools on hand. The reason is contractors will typically pour 8 to 10 pole bases a day – roughly the amount of concrete that is delivered in a 10-yard ready-mix cement truck.

Q: What assembly is required?

A: Very minor. Assembly involves inserting a bolt through each of BOLT STAR's four arms and threading a nut on the other end. The bolts come with each BOLT STAR and keep the arms secured to the hub. Instructions in English and Spanish are provided with every BOLT STAR. The Xtender adaptor slips up and snaps on to the end of each arm with no fasteners required.

Q: What type of warranty comes with the product?

A: 90-day warranty from date of purchase on defects only that are not due to ordinary wear and tear.

Q: Does Construction Innovations make a 30" or 36" BOLT STAR?

A: The 30" and 36" BOLT STAR versions are in the design stage. No official release date yet.

Q: Where is BOLT STAR made?

A: In the USA! BOLT STAR is manufactured in Milwaukee, Wisconsin, and then parts are shipped to Sacramento, California for kitting, packaging and shipping. The Xtender accessory product is manufactured in Sacramento, California.

Q: What is the BOLT STAR story?

A: BOLT STAR is the first new product of Sacramento-based Construction Innovations. The inventors are electricians and engineers who refined the idea for this innovative product over a ten-year period, all the time knowing that "there had to be a better way." The product underwent an intensive two-year period of development and testing through a collaborative effort with Rex Moore Electrical Contractors & Engineers, a Top 50 electrical contractor in the U.S.

Q: Who is the manufacturer of BOLT STAR?

A: Construction Innovations, LLC with headquarters in Sacramento, California.

- Founded in 2012 by former construction company owners and industry professionals
- Dedicated to improving the construction industry through the creation of innovative products, tools, methods and services
- Construction Innovations has four distinct lines of products and services:
 - Construction tools design and manufacturing;
 - Manufacturing and kitting services for electrical and low voltage systems;
 - Construction BIM modeling and layout services; and
 - Consulting services in Lean manufacturing processes for construction companies.
- Websites: www.ConstructionInnovations.com
www.bolt-star.com
- Contact: **1-855-725-9555**