



ICC-ES Listing Report ESL-1440

Issued February 2024

This listing is subject to renewal February 2025.

CSI: DIVISION: 06 00 00—WOOD, PLASTICS AND COMPOSITES
Section: 06 05 23—Wood, Plastic and Composite Fastenings

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Product: AUGERBOLT™

Listee: GRK Fasteners™, a Division of Illinois Tool Works

Description: The AugerBolt™ is a 1/2-inch (12.7 mm) diameter, hex head bolt with special features which allow it to be used in the process of drilling a hole into wood members with assigned specific gravity between 0.42 and 0.58. One feature is a fixed washer incorporated into the head of the bolt. The other is extended material at the threaded end of the bolt, which has a recess to hold a removeable drill bit. The fastening nut and washer are supplied with the bolt. The bolt, washer and nut are mechanically galvanized.

Evaluation: The AugerBolt™ was evaluated for compliance to the following standards:

- ANSI/ASME B18.2.1-2012, Square, Hex, Heavy Hex, and Askew Head Bolts and Hex, Heavy Hex, Hex Flange, Lobed Head, and Lag Screws (Inch Series), American Society of Mechanical Engineers.
- ASTM B695-04(2016), Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel Strip for Building Construction, ASTM International.
- ANSI/AWC NDS (-2018 and -2015), *National Design Specification for Wood Construction*®, American Wood Council.

Findings: The AugerBolt™ complies with dimensional requirements of ANSI/ASME B18.2.1. The bolt material complies with ASTM A307, as required by ANSI/ASME B18.2.1, and the bolt has a zinc coating complying with ASTM B695, Class 55. The integral washer complies with the minimum material and dimension requirements in the NDS. Based on the dimensions of the supplied drill bit, the dimensions of the drilled hole will comply with the NDS. The AugerBolt™ is qualified for use in preservative-treated and fire-retardant-treated wood. The applicable standards are referenced in the following code editions.

- 2021 *International Building Code*®
Applicable Sections: Table 2306.1, 2307.1

2021 *International Residential Code*® (IRC)
Applicable Sections: R317.3, R502.2, R507.2.3, R507.5.2 [Figures R507.5.1(1) and R507.5.1(2)], R602.3, R802.2
 - Referenced Standard: NDS-2018
 - Section 12.1.3.1 and Table L1 for bolt standard (ANSI/ASME B18.2.1) and dimensions
 - Section 12.1.3.2 for bolt hole requirements
 - Section 12.1.3.3 for washer requirements

- 2018 *International Building Code*®
Applicable Sections: 2306.1, 2307.1

2018 *International Residential Code*® (IRC)
Applicable Sections: R317.2, R502.2, R507.2.3, R507.5.2 [Figures R507.5.1(1) and R507.5.1(2)],
R602.3, R802.2
 - Referenced Standard: NDS-2018 – see above for applicable sections
- 2015 *International Building Code*®
Applicable Sections: Table 2306.1, 2307.1

2015 *International Residential Code*® (IRC)
Applicable Sections: R317.2, R502.2, R602.3, R507.7.1 (Figure R507.7.1), R802.2
 - Referenced Standard: NDS-2015 – see above for applicable sections

Identification:

1. The ICC-ES mark of conformity, electronic labeling, or the listing report number (ICC-ES ESL-1440), and when applicable, the ICC-ES listing mark, along with the name, registered trademark, or registered logo of the listee must be included in the product label.
2. In addition, packaging of the AugerBolt™ carries a label indicating the manufacturer's address and the product name.
3. The report holder's contact information is the following:

GRK FASTENERS™, A DIVISION OF ILLINOIS TOOL WORKS
155 HARLEM AVENUE N3E
GLENVIEW, ILLINOIS 60025
(877) 489-2726
www.grkfasteners.com

Installation: The AugerBolt™ must be installed in accordance with the GRK Fasteners published installation instructions and applicable codes. The AugerBolt™ is installed using a drill driver and a GRK ⁹/₁₆ inch drill bit. Once the bolt is fully inserted through the drilled hole, the drill bit is removed and a standard washer and nut are installed over the threads.

Conditions of listing:

1. The listing only addresses conformance with the standards and code sections noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing applies only to the product tested and the data submitted for review by ICC-ES.
4. The AugerBolt™ is manufactured under a quality control program with inspections by ICC-ES.