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ICC-ES Listing Report
ESL-1485

Reissued December 2024
Revised March 2025
This listing is subject to renewal December 2025.

CSI: DIVISION: 05 00 00—METALS
Section: 05 05 23—Metal Fastenings

Product Certification System:

The ICC-ES product-certification system includes evaluating evidence in support of test data 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: Push-In Thread Rod Couplers (DEWALT)

Listee: DEWALT

Evaluation: The Push-In Thread Rod Coupler is a zinc plated carbon steel, internally threaded component with a cinch nut mechanism. It is used to vertically connect two pieces of threaded rod, with one end of the component not requiring the turning of the threaded rod element during installation. The Push-In Thread Rod Coupler, illustrated in Figure 1, was evaluated in accordance to the following standards:

- ASTM F606/F606M-19 Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets.

Findings: The Push-In Thread Rod Coupler has the following tension ultimate load for a single coupler, as specified in Table 1 of this listing report, when tested in accordance with ASTM F606, as referenced in the applicable sections of the following code editions.

- 2024, 2021, 2018, 2015 and 2012 *International Building Code®* (IBC)
  Applicable Section: 2201.4 in 2024 IBC (2204 in 2021 IBC and earlier)
- 2024, 2021, 2018, 2015 and 2012 *International Residential Code®*
  Applicable Section: R301.1.3

TABLE 1—ULTIMATE LOAD DATA FOR PUSH-IN THREAD ROD COUPLER[1,2,3,4,5]

Characteristic	Symbol	Unit	Nominal Coupler Size (in.)	
			3/8	1/2
Mean ultimate static tensile load	F_m	lb.	12,375	18,000

For **SI**: 1 in = 25.4 mm, 1 pound = 0.00445 kN.

[1]Couplers may be used in conjunction with grades of continuously threaded carbon steels (all-thread) that comply with code reference standards and that have thread characteristics comparable with ANSI B1.1 UNC Coarse Thread Series (e.g. ASTM A36, ASTM A307, ASTM A193, Grade B7).
[2]Allowable load capacities for couplers can be calculated based on applying a suggested safety factor of 3.0.
[3]The calculated allowable load capacities must be checked against the allowable steel strength of the corresponding steel threaded rod; the lowest load level controls.
[4]Allowable load capacities for 3/8-inch-diameter couplers may also be used for seismic tension loading provided the allowable values are reduced by 15 percent.
[5]Allowable load capacities for the 1/2-inch-diameter couplers may also be used for seismic tension loading with no additional reduction.

Identification:

1. The ICC-ES mark of conformity, electronic labeling, or the listing report number (ICC-ES ESL-1485) 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 Push-In Thread Rod Coupler carries a label indicating the manufacturer's name and address, the product name, and the ICC-ES listing report number (ESL-1485), and when applicable, the ICC-ES Listing Mark.

3. The report holder's contact information is the following:

   DEWALT
   701 EAST JOPPA ROAD
   TOWSON, MARYLAND 21286
   (800) 524-3244
   www.DEWALT.COM
   anchors@DEWALT.com

Installation: The product must be installed in accordance with the DEWALT published installation instructions and applicable codes.

Quality Control: The Push-In Thread Rod Couplers are manufactured under a quality control program subject to inspections, assessment, and surveillance of the listee's quality system by ICC-ES. The cinch nut mechanism in the couplers is also in the Push-In Thread Concrete Inserts described in ICC-ES ESR-3657.

Conditions of listing:

1. The listing addresses only 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 materials tested and as submitted for review by ICC-ES.

4. The mean ultimate loads listed in Table 1 do not include any factors of safety and are not intended to be used as design values.

5. When approved by the authority having jurisdiction, the Push-In Thread Rod Coupler may be used in support systems described in MSS SP-58, ASME B31.1, and ASME B31.9, provided that the support systems are designed and installed in accordance with the requirements in the referenced standards.

FIGURE 1—PUSH-IN THREAD ROD COUPLER (DEWALT)