



## ICC-ES Listing Report

Reissued June 2024

### ESL-1368

This listing is subject to renewal June 2025.

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

DIVISION: 09 00 00—FINISHES  
Section: 09 22 16.23—Fasteners

#### 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:** LAG SCREWS:  
M9-7 x 3 INCH HEX WASHER HEAD FRAMELOC™ (M9x76HWFLP)  
M9-7 x 4 INCH HEX WASHER HEAD FRAMELOC™ (M9x100HWFLP)

**Listee:** FASTEC INDUSTRIAL, A DIVISION OF WESCO DISTRIBUTION

**Evaluation:** The lag screws are self-drilling screws having a Hex Washer Head (HWH). The screws are manufactured from carbon steel wire conforming to ASTM A510 Grade 1022 and are heat treated and case hardened. The lag screws were evaluated when tested in accordance with the following standard:

- ASTM F1575-03, Standard Test Method for Determining Bending Yield Moment of Nails, ASTM International.

**Findings:** The lag descriptions and markings for each screw are described in Table 1. The lag screws have dimensions and bending yield strength properties based on testing in accordance with ASTM F1575; see Table 2. See Figure 1 for lag screw geometry details. See Figure 2 for photographs of lag screws. Availability at each distribution location is noted in Table 3.

#### Identification:

1. The lag screws are marked with a "FIC" on the top surface of the screw heads, as shown in Figures 1. Each box of lag screws are labeled with the manufacturer's name (Fastec Industrial), product name / part number, nominal screw diameter, nominal screw length, ICC-ES listing number (ESL-1368), and when applicable, the ICC-ES listing mark.
2. The report holder's contact information is the following:

**FASTEC INDUSTRIAL**  
**A DIVISION OF WESCO DISTRIBUTION**  
**2900 GRAY FOX ROAD**  
**MONROE, NORTH CAROLINA 28110**  
[www.wesco.com](http://www.wesco.com)

**Installation:** The product must be installed in accordance with Fastec Industrial's published installation instructions and applicable codes.

**Conditions of Listing:**

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

**TABLE 1: LAG IDENTIFICATION**

Fastec Part Number	Description	Head Marking
M9X76HWFLP	M9-7 x 3-in. Hex Washer Head FrameLoc™ Lag Screw	FIC Q103
M9X100HWFLP	M9-7 x 4-in. Hex Washer Head FrameLoc™ Lag Screw	FIC Q104

**TABLE 2: LAG DIMENSIONS AND DESIGN PROPERTIES**

Fastec Part Number	Shank Diameter, $D_s$ (inch)	Major Diameter, $D$ (inch)	Root Diameter, $D_r$ (inch)	Length, $L$ (inch)	Thread Length, $T$ (inch)	Tip Length, $E$ (inch)	Bending Yield Stress, $F_{yb}$ (psi)
M9X76HWFLP	0.276	0.364	0.246	3.0	2.625	0.25	190,000
M9X100HWFLP	0.276	0.364	0.246	4.0	3.625	0.225	190,000

For SI: 1 inch = 25.4 mm; 1 psi = 6.89 x 10<sup>-3</sup> Mpa

**TABLE 3: DISTRIBUTION LOCATIONS**

Location(s)	Listed Product(s)
Wesco Distribution 1601 Waters Ridge Drive Lewisville, TX 75057	M9X76HWFLP
Wesco Distribution 221 South Tenth Lemoyne, PA 17043	M9X76HWFLP M9X100HWFLP

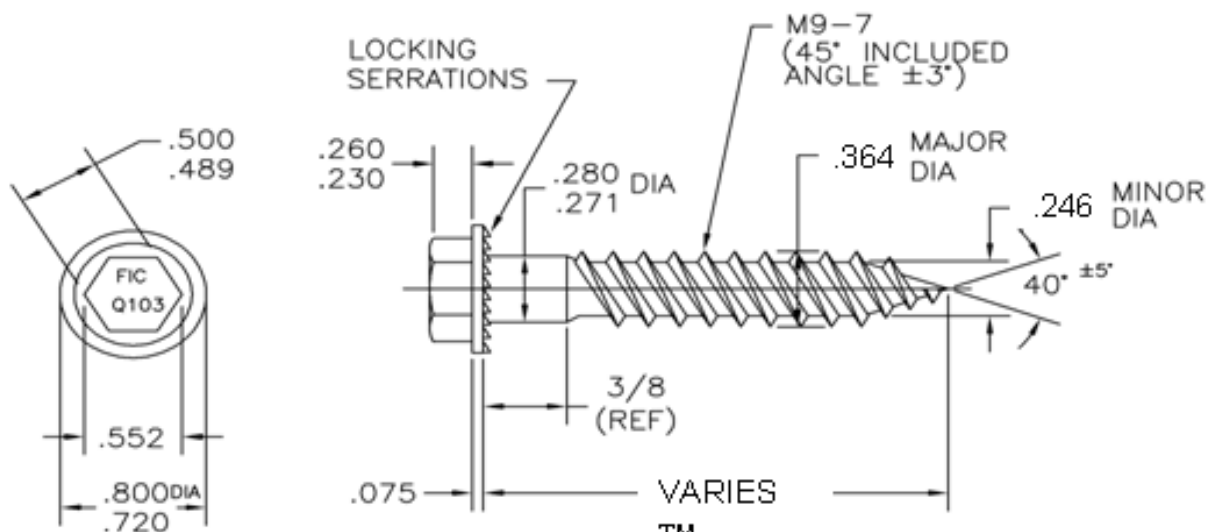


Figure 1: Fastec FrameLoc™ Lag Screw

**FIGURE 1: FASTEC FRAMELOC™ LAG DIMENSIONS**



**FIGURE 2: FASTEC FRAMELOC™ LAG SCREWS - M9X100HWFLP (TOP) AND M9X76HWFLP (BOTTOM)**