



IDENTIFICATION: ESR-4272 SECTION 7.1

The I-LAG™ brand screws are embossed with knurling on the shank of the screw as shown in Figure 1.



TABLE 1—I-LAG™ BRAND SCREWS

FASTENER TYPE ¹	NOMINAL FASTENER SIZE (dia-tpi)	NOMINAL DIAMETER (in.)	THREAD LENGTH (in.)	UNTHREADED FASTENER LENGTH (in.)	EYE DIAMETER (in.)	COATING/ FINISH
W300M	1/4-14	0.250	1.5	1.5	0.185	Oiled/ Nongalvanized
W300MZP, W300CZP	1/4-14	0.250	1.5	1.5	0.185	Galvanized
W400MZP, W400CZP	1/4-14	0.250	1.5	2.5	0.185	Galvanized
W500MZP, W500CZP	1/4-14	0.250	1.5	3.5	0.185	Galvanized

For SI: 1 inch = 25.4 mm.

¹The letters M and C in the product designation denote packaging quantities.

TABLE 2—DESIGN VALUES FOR I-LAG™ SCREWS

FASTENER TYPE	NOMINAL FASTENER SIZE	ALLOWABLE FASTENER STRENGTH (lbf)		REFERENCE WITHDRAWAL DESIGN VALUE (lbf)
		Tension ¹	Shear	SG ≥ 0.42
W300M	1/4-14	660	560	132
W300MZP, W300CZP				
W400MZP, W400CZP				
W500MZP, W500CZP				

For SI: 1 lbf = 4.4 N.

¹Governed by strength through the eye.

ICC ESR-4272 Report Link:

<https://docsindustries.com/wp-content/uploads/2017/02/ESR-4272.pdf>

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