

F48 Eye Nut, F49 Eye Bolt and F49A Eye Bolt

The Dayton Superior F48 Eye Nut is cast from ductile iron that meets ASTM Standard A-536 Grade 80-55-06. The eye nut is cast with coil threads and is intended to be used with B12 Coil Rod that has been cut to the proper length. The eye nut eliminates the need to inventory several different lengths of eye bolts.

To make permanent length eye bolts, it is possible to weld lengths of coil rod to the casting. Since improper welding techniques can result in reduced safe working loads, Dayton Superior recommends that you contact your local welding supply house for proper welding instructions and techniques.

The F49 Eye Bolt is an F48 Eye Nut supplied with a specified length of coil rod that has been welded in place. In order to develop the F49 eye bolt's rated load, the shoulder must be tightened securely against the face of the concrete.

WARNING: The F48 Eye Nut and F49 Eye Bolt are intended for straight tensile loading only; pulling or lifting at an angle drastically reduces the safe working load and is not recommended.

F48 Eye Nut and F49 Eye Bolt Selection Table

Safe Working Load - Tension	Coil Rod Diameter	A	B	C	D	E
2,700 lbs.	1/2"	3-1/4"	1"	1"	3/4"	2"
3,600 lbs.	3/4"	3-1/2"	1"	1"	3/4"	2"
7,200 lbs.	1"	5"	1-1/4"	1-3/4"	1"	3"
10,800 lbs.	1-1/4"	6-1/4"	1-1/2"	2-1/4"	1-1/4"	4"

Safe Working Load provides a factor of safety of approximately 5 to 1.

Note: Dayton Superior does not recommend the use of 1/2" diameter bolts for lifting/handling of precast panels.

The F49A Eye Bolt is a forged, carbon steel, one piece, shoulder pattern eye bolt. It is available with 3/4" or 1" diameter coil threads and stocked in 3-1/2" and 6" lengths. Other lengths are available special order.

In order to develop the F49A Eye Bolt's rated load, the shoulder must be tightened firmly against the face of the concrete.

WARNING: The eye bolt is intended for straight tensile loading only; pulling or lifting at an angle drastically reduces the safe working load and is not recommended.

The F49A Eye Bolt meets material requirements of ASTM Standard A-489.

To Order F48 Eye Nut:

Specify: (1) quantity, (2) name, (3) bolt diameter.

Example:

200, F48 Eye Nuts, 1" dia. bolt.

To Order F49 or F49A Eye Bolts:

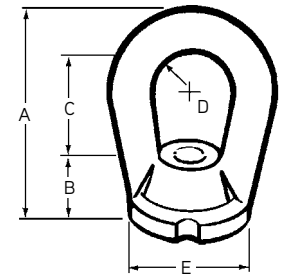
Specify: (1) quantity, (2) name, (3) bolt diameter, (4) length.

Example:

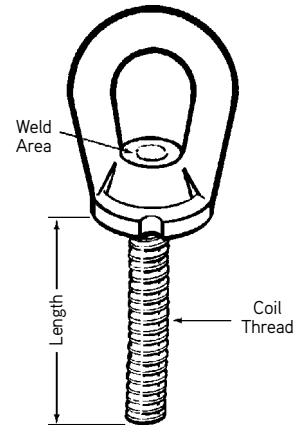
200, F49 Eye Bolts, 1" dia. x 12" long.

Bolt Diameter	Tension Safe Working Load	A	B	C
3/4"	3,600 lbs.	2-7/8"	1-1/2"	3" or 6"
1"	6,400 lbs.	3-1/2"	1-3/4"	3"

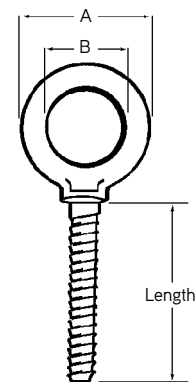
Safe Working Load provides a factor of safety of approximately 5 to 1.



F48 Eye Nut



F49 Eye Bolt



F49A Eye Bolt