

### F64 Ferrule Loop Insert

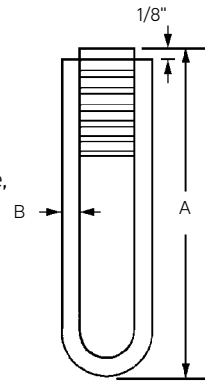
The Dayton Superior F64 Ferrule Loop Insert is manufactured by welding a wire loop to a steel ferrule which has been machined from bar stock. One end of the ferrule is closed, while the other end is drilled and tapped to accept an NC threaded bolt.

Typically, this insert is used to attach a precast wall panel to a building frame, as well as provide attachment of other structural elements that may be required.

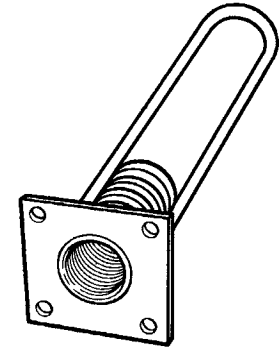
#### Mounting Washer Option for all Ferrule Type Inserts

All ferrule type inserts are available with a 16 gauge x 2" x 2" mounting washer as an option. The mounting washer allows you to nail a ferrule type insert to the form.

To keep concrete from entering the threaded portion of an insert with mounting washer, cover the open face of the washer with duct tape.



F64 Ferrule Loop Insert



Insert with Optional Mounting Washer.

F64 Ferrule Loop Insert Selection Table

Bolt Diameter and Threads per Inch	Insert Height (A)	Minimum Edge Distance	Minimum Corner Distance	Safe Working Load Tension	Safe Working Load Shear	B	Maximum Bolt Engagement
1/2" – 13 NC	4-1/8"	5"	10"	3,000 lbs.	1,810 lbs.	0.223"	1"
		9"	15"	3,000 lbs.	3,000 lbs.		
1/2" – 13 NC	6-1/8"	7"	12"	5,000 lbs.	3,410 lbs.	0.306"	1"
		9"	12"	5,000 lbs.	3,410 lbs.		
5/8" – 11 NC	4-1/8"	5"	10"	3,000 lbs.	1,810 lbs.	0.223"	1-1/8"
		9"	12"	3,000 lbs.	3,000 lbs.		
5/8" – 11 NC	6-1/8"	7"	12"	5,000 lbs.	3,420 lbs.	0.306"	1-1/8"
		11"	15"	5,000 lbs.	5,000 lbs.		
		11"	15"	5,000 lbs.	5,000 lbs.		
3/4" – 10 NC	4-1/8"	5"	10"	3,000 lbs.	1,810 lbs.	0.223"	1-1/8"
		9"	12"	3,000 lbs.	3,000 lbs.		
3/4" – 10 NC	6-1/8"	7"	12"	5,000 lbs.	3,420 lbs.	0.306"	1-1/8"
		11"	15"	5,000 lbs.	5,000 lbs.		
7/8" – 9 NC	6-1/8"	7"	12"	5,000 lbs.	3,420 lbs.	0.306"	1-1/8"
		11"	15"	5,000 lbs.	5,000 lbs.		
1" – 8 NC	6-1/8"	7"	12"	5,000 lbs.	3,420 lbs.	0.306"	1-1/8"
		11"	12"	5,000 lbs.	4,650 lbs.		
1" – 8 NC	8-1/8"	7"	12"	5,000 lbs.	3,830 lbs.	0.306"	1-1/8"
		11"	15"	5,000 lbs.	5,000 lbs.		

Safe Working Load provides a factor of safety of approximately 3 to 1 in 3,000 psi normal weight concrete.

Safe Working Loads are based on 1/2" setback from the face of the concrete.

Minimum spacing between inserts is twice the minimum corner distance.

#### To Order:

Specify: (1) quantity, (2) name, (3) bolt diameter, (4) insert length, (5) finish.

#### Example:

200, F64 Ferrule Loop Insert, 5/8" bolt diameter, 6-1/8" insert length, plain finish.