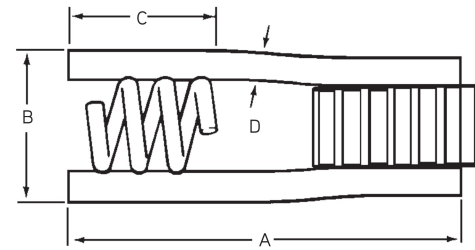


### F57 Expanded Coil Ferrule Insert F59 Expanded Coil Ferrule Insert F61 Expanded Coil Ferrule Insert

The Dayton Superior Expanded Coil Ferrule Inserts were developed as a more effective means for increasing the insert's tensile capacity, without increasing its depth of embedment. By increasing the width of the base, the volume of the resisting shear cone is significantly increased. The expanded pitch coils welded to the more deeply embedded end of the insert serve to distribute the applied loads over a larger volume of concrete.

Available in longer lengths, as required. Minimum spacing between inserts is twice the corner spacing.



**F57 Insert – 2 Struts**  
**F59 Insert – 4 Struts**  
**F61 Insert – 6 Struts**

**Expanded Coil Ferrule Loop Insert Selection Table**

Insert Type	Bolt Diameter and Threads per Inch	Insert Length	Minimum Edge Distance	Minimum Corner Distance	Safe Working Load Tension	Safe Working Load Shear	A	B	C	D	Maximum Bolt Engagement
F57	3/4" – 10 NC	4-5/8"	6"	9"	4,650 lbs.	2,730 lbs.	4-5/8"	2-1/8"	1-1/2"	0.375"	1-1/8"
			14"	20"	5,890 lbs.	5,890 lbs.					
F57	1" – 8 NC	5-5/8"	8"	12"	6,990 lbs.	4,300 lbs.	5-5/8"	2-3/4"	2-1/4"	0.440"	1-1/8"
			16"	24"	8,100 lbs.	8,100 lbs.					
F59	1" – 8 NC	5-5/8"	8"	12"	7,465 lbs.	5,200 lbs.	5-5/8"	2-3/4"	2-1/4"	0.440"	1-1/8"
			18"	26"	13,310 lbs.	13,310 lbs.					
F59	1-1/4" – 7 NC	7-5/8"	10"	15"	9,920 lbs.	7,940 lbs.	7-5/8"	3"	2-3/4"	0.440"	1-3/4"
			18"	26"	13,310 lbs.	13,310 lbs.					
F61	1-1/2" – 6 NC	9-5/8"	12"	18"	13,180 lbs.	12,450 lbs.	9-5/8"	3-3/8"	3-5/8"	0.440"	2-1/4"
			22"	30"	18,680 lbs.	18,680 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 insert 1/2" setback from the face of concrete.

Minimum spacing between inserts is twice the corner.

#### To Order:

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

#### Example:

200, F61 Expanded Coil Ferrule Inserts, 1-1/2" dia., plain finish.