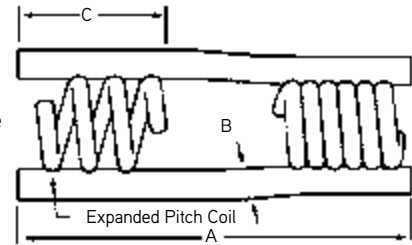


F56, F58 and F60 Expanded Coil Inserts

Expanded Coil Inserts are fabricated in two, four or six strut versions, as required. A standard coil is welded at one end of the strut wires and on the opposite end, an expanded pitch coil is welded. The expanded pitch coil welded to the more deeply embedded end of the insert, serves to distribute the applied loads over a larger volume of concrete.

- Ethafoam Plug installed when mounting washers are ordered.
- Minimum spacing between inserts is twice the minimum corner distance.
- Longer lengths available, if required.



**F56 Expanded Coil Insert
for Coil Threaded Bolts**

**F56 Insert – 2 Struts
F58 Insert – 4 Struts
F60 Insert – 6 Struts**

Expanded Coil Insert Selection Table

| Insert Type | Bolt Diameter | Insert Length | Min. Edge Distance | Min. Corner Distance | Safe Working Load Tension | Safe Working Load Shear | A | B | C |
|-------------|---------------|---------------|--------------------|----------------------|---------------------------|-------------------------|--------|--------|--------|
| F56 Coil | 3/4" | 4-1/2" | 2-1/2" | 6" | 1,800 lbs. | 680 lbs. | 4-1/2" | 0.375" | 1-1/2" |
| | | | 4" | 8" | 2,220 lbs. | 1,380 lbs. | | | |
| | | | 8" | 12" | 4,250 lbs. | 2,760 lbs. | | | |
| | | | 14" | 20" | 4,250 lbs. | 4,250 lbs. | | | |
| F56 Coil | 1" | 5-1/2" | 2-1/2" | 7" | 2,000 lbs. | 740 lbs. | 5-1/2" | 0.440" | 2-1/2" |
| | | | 4" | 9" | 2,560 lbs. | 1,500 lbs. | | | |
| | | | 8" | 12" | 5,300 lbs. | 3,250 lbs. | | | |
| | | | 18" | 24" | 6,250 lbs. | 6,250 lbs. | | | |
| F58 Coil | 1-1/4" | 7-1/2" | 3" | 10" | 2,480 lbs. | 1,270 lbs. | 7-1/2" | 0.440" | 2-3/4" |
| | | | 5" | 12" | 3,600 lbs. | 2,730 lbs. | | | |
| | | | 8" | 15" | 5,700 lbs. | 4,790 lbs. | | | |
| | | | 18" | 26" | 10,480 lbs. | 10,590 lbs. | | | |
| F60 Coil | 1-1/2" | 9-1/2" | 3" | 12" | 2,820 lbs. | 1,500 lbs. | 9-1/2" | 0.440" | 3-5/8" |
| | | | 5" | 15" | 3,880 lbs. | 3,230 lbs. | | | |
| | | | 8" | 15" | 6,680 lbs. | 6,260 lbs. | | | |
| | | | 22" | 30" | 14,580 lbs. | 16,430 lbs. | | | |

Safe Working Load provides a factor of safety of approximately 4 to 1 in 3,000 psi normal weight concrete.
Safe Working Load is based on a 1/2" setback from face of concrete.

To Order:

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

Example:

200, F60 Expanded Coil Inserts, 1-1/2" diameter, plain finish.