F56, F58, F60 Expanded Coil Inserts

Concrete Forming

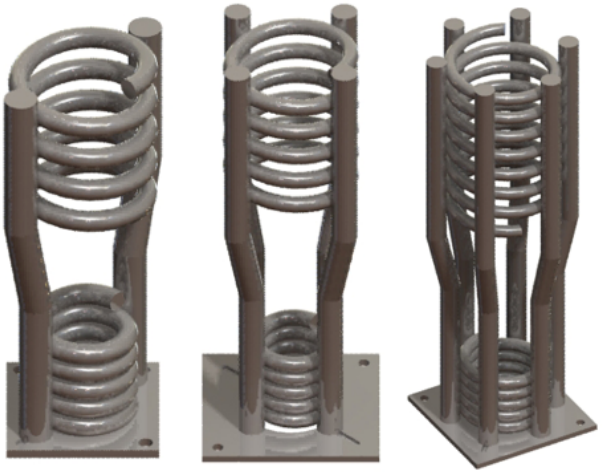
TECHNICAL DATA SHEET

DESCRIPTION

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.

APPLICATION

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.



F56 F58 F60

FEATURES

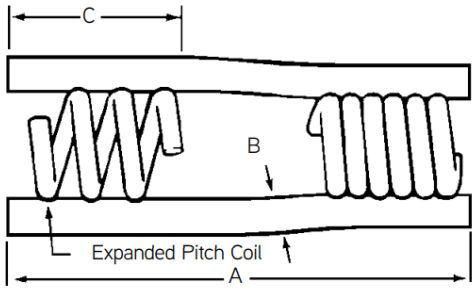
- Ethafoam Plug installed when mounting washers are ordered.
- Minimum spacing between inserts is twice the minimum corner distance.
- Longer lengths available, if required.

TECHNICAL DATA

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

Insert Type	Bolt Dia.	Insert Length (A)	B	C	Min Corner Dist.	Min. Edge Dist.	SWL Shear (lbs)	SWL Tension (lbs)
F56 Coil Plain	3/4"	4-1/2"	0.375"	1-1/2"	6"	2-1/2"	680	1,800
F56 Coil	3/4"	4-1/2"	0.375"	1-1/2"	8"	4"	1,380	2,220
F56 Coil	3/4"	4-1/2"	0.375"	1-1/2"	12"	8"	2,760	4,250
F56 Coil	3/4"	4-1/2"	0.375"	1-1/2"	20"	14"	4,250	4,250
F56 Coil Plain	1"	5-1/2"	0.440"	2-1/2"	7"	2-1/2"	740	2,200
F56 Coil	1"	5-1/2"	0.440"	2-1/2"	9"	4"	1,500	2,560
F56 Coil	1"	5-1/2"	0.440"	2-1/2"	12"	8"	3,250	5,300
F56 Coil	1"	5-1/2"	0.440"	2-1/2"	24"	14"	6,250	6,250
F58 Coil	1-1/4"	7-1/2"	0.440"	2-3/4"	10"	3"	1,270	2,480
F58 Coil	1-1/4"	7-1/2"	0.440"	2-3/4"	12"	5"	2,730	3,600
F58 Coil	1-1/4"	7-1/2"	0.440"	2-3/4"	15"	8"	4,790	5,700
F58 Coil	1-1/4"	7-1/2"	0.440"	2-3/4"	26"	18"	10,590	10,480
F60 Coil	1-1/2"	9-1/2"	0.440"	3-5/8"	12"	3"	1,500	2,820
F60 Coil	1-1/2"	9-1/2"	0.440"	3-5/8"	15"	5"	3,230	3,880
F60 Coil	1-1/2"	9-1/2"	0.440"	3-5/8"	15"	8"	6,260	6,680
F60 Coil	1-1/2"	9-1/2"	0.440"	3-5/8"	30"	22"	16,430	14,580

INSTALLATION



F56 Expanded Coil Insert for Coil Threaded Bolts

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

File Date: 4/12/2021

TECHNICAL DATA SHEET

HOW TO ORDER

- Additional sizes and materials can be made to order. Please call for lead time, availability and pricing.

ORDERING INFORMATION

EXPANDED COIL INSERTS

Product Code	Description	Weight
40540	F56 3/4" DIA PLAIN X 4-1/2", 2 STRUTS	0.61 LB
40546	F56 1" DIA PLAIN X 5-1/2", 2 STRUTS	1.16 LB
40541	F56 3/4" DIA EGALV. X 4-1/2", 2 STRUTS	0.61 LB
40547	F56 1" DIA EGALV.X 5-1/2", 2 STRUTS	1.35 LB
112850	F56 1" DIA SS X 5-1/2", 2 STRUTS	1.18 LB
40580	F58 1-1/4" DIA PLAIN X 7-1/2", 4 STRUTS	2.44 LB
40581	F58 1-1/4" DIA GALV. X 7-1/2", 4 STRUTS	2.40 LB
112830	F58 1-1/4" DIA EGALV X 7-1/2", 4 STRUTS	2.45 LB
40590	F59 1-1/4" DIA GALV. X 7-5/8", 4 STRUTS	2.64 LB
121894	F60 1-1/2" DIA SS X 9-1/2", 6 STRUTS	4.20 LB

MANUFACTURER

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Miamisburg, OH 45342
Customer Service: 888-977-9600
Technical Services: 877-266-7732
Website: www.daytonsuperior.com

WARRANTY (ACCESSORIES)

Limited Warranty. Dayton warrants, for a period of 60 days from the date of shipment (three years from the date of shipment in the case of formwork, excluding any consumable Products included with such formwork), that Products and any associated application drawings and engineering services provided by Dayton (“Ancillary Services”) will be free from defects in material and workmanship and, in the case of custom designed formwork, that the formwork will meet the specifications set forth in the design drawings approved by Dayton and Customer. Any claim under this warranty must be made in writing within such warranty period. If any Product and/or Ancillary Service covered by a timely claim are found to be defective, Dayton will, within a reasonable time, make any necessary repairs or corrections or, at Dayton’s option, replace the Product. Unless pre-authorized by Dayton in writing, Dayton will not accept any charges for correcting defects or accept the return of any Product. This warranty will not apply to any Products that have been subjected to misuse, neglect, storage damage, misapplication, accident or any other damage caused by any person other than Dayton, or that have not been maintained in accordance with Dayton’s specifications. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AS TO THE PRODUCTS AND ANCILLARY SERVICES. DAYTON MAKES NO OTHER WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. THE REMEDIES SET FORTH IN THIS SECTION ARE CUSTOMER’S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY.