

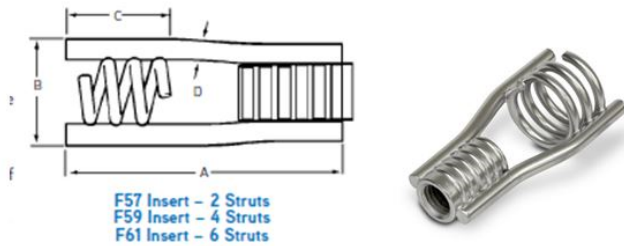
TECHNICAL DATA SHEET

DESCRIPTION

The F57, F59 and F61 consist of a NC thread welded to multiple struts with an expanded pitch coil welded to the embedment end. The F57 utilizes two struts, the F59 utilizes four struts and the F61 utilizes six struts.

APPLICATION

Dayton Superior expanded coil ferrule inserts are used in the precast panels where shallow embedment capability is needed.



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.

FEATURES

- Safe Working Load provides a factor of safety of 3 to 1 in 3,000 psi normal weight concrete.
- Increased tensile capacity over standard ferrule inserts

TECHNICAL DATA

Expanded Coil Ferrule Loop Insert Selection Table

Insert Type	Boit Dia. & Threads (per inch)	Min. Edge Distance	Min. Corner Distance	SWL Tension (lbs)	SWL Shear (lbs)	A - Insert Length	B	C	D	Max. Bolt Engage
F57	3/4" - 10 NC	6"	9"	4,650	2,730	4-5/8"	2-1/8"	1-1/2"	0.375"	1-1/8"
F57	3/4" - 10 NC	14"	20"	5,890	5,890	4-5/8"	2-1/8"	1-1/2"	0.375"	1-1/8"
F57	1" - 8 NC	8"	12"	6,990	4,300	5-5/8"	2-3/4"	2-1/4"	0.440"	1-1/3"
F57	1" - 8 NC	18"	24"	8,100	8,100	5-5/8"	2-3/4"	2-1/4"	0.440"	1-1/3"
F59	1" - 8 NC	8"	12"	7,465	5,200	5-5/8"	2-3/4"	2-1/4"	0.440"	1-1/3"
F59	1" - 8 NC	18"	26"	13,310	13,310	5-5/8"	2-3/4"	2-1/4"	0.440"	1-1/3"
F59	1-1/4" - 7 NC	10"	15"	9,920	7,940	7-5/8"	3"	2-3/4"	0.440"	1-3/4"
F59	1-1/4" - 7 NC	18"	26"	13,310	13,310	7-5/8"	3"	2-3/4"	0.440"	1-3/4"
F59	1-1/2" - 6 NC	12"	18"	13,180	12,450	9-5/8"	3-3/8"	3-5/8"	0.440"	2-1/4"
F61	1-1/2" - 6 NC	22"	30"	18,680	18,680	9-5/8"	3-3/8"	3-5/8"	0.440"	2-1/4"

Ordering Information

F57 Expanded Coil Insert

PCN	Description
40560	3/4" x 4-5/8" Plain
40566	1" x 5-5/8" Plain
40562	3/4" x 4-5/8" Plain w/ Washer
40568	1" x 5-5/8" Plain w/ Washer
40561	3/4" x 4-5/8" Electro Galv.
100187	5/8" x 4-5/8" EGALV. w/ Washer
100188	1" x 5-5/8" EGALV. w/ Washer
121013	3/4" x 4-5/8" Stainless Steel
112810	1" x 5-5/8" Stainless Steel
112790	3/4" x 4-5/8" Stain. Steel w/ Washer
112840	1" x 5-5/8" Stain. Steel w/ Washer

F59 Expanded Coil Insert

PCN	Description
40575	1" x 5-5/8" Plain
40590	1-1/4" x 7-5/8" Plain
40592	1-1/4" x 7-5/8" Plain w/ Washer
112820	1-1/4" x 7-5/8" Stainless Steel

F61 Expanded Coil Insert

PCN	Description
40670	1-1/2" x 9-5/8" Plain
40672	1-1/2" x 9-5/8" Plain w/ Washer
121895	1-1/2" x 9-5/8" Stainless Steel

MANUFACTURER

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