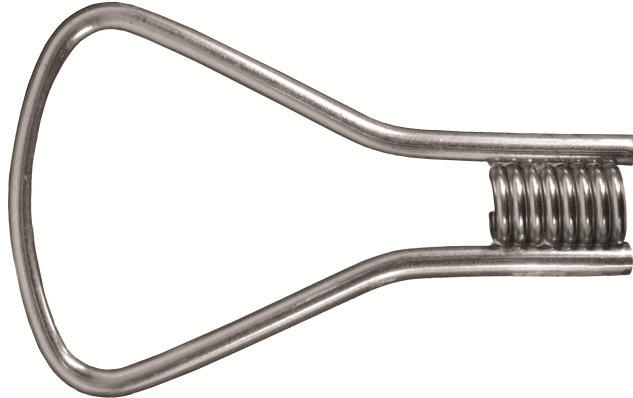


TECHNICAL DATA SHEET

DESCRIPTION

The B18 Single Flared Coil Loop Insert make effective use of the tensile strength of the mass of concrete within which they are embedded by increasing the depth and width of concrete embedment.



FEATURES

- Available with an optional B3 Screw-on Coil for use with the B30 Screw-on Plastic Cone.
- Special lengths and flare shapes available on request.
- Available in plain and electro galvanized finishes. Stainless steel option available upon request.

BENEFITS

- Increased depth and width of the concrete embedment to make effective use of the tensile strength of the mass of concrete embedded.
- Made with the loop end flared for greater anchorage in concrete.

TECHNICAL DATA

B18 Single Flared Coil Loop Insert Selection Chart

Bolt Diameter x Insert Length	Flare Width	Wire Strut Diameter	SWL Tension (lbs)	Min Concrete Strength (psi)	Min Edge Distance
1/2" x 4" or 6" or 9"	3"	0.223"	4,500	2,000	11"
3/4" x 6" or 9" or 12"	5-1/2"	0.306"	7,500	2,000	13"
3/4" x 6" or 9" or 12"	5-1/2" *	0.375"	9,000	2,000	13"
3/4" x 9" or 12"	5-1/2"	0.440"	13,500	2,000	13"
1" x 6" or 9" or 12"	5-1/2" *	0.440"	9,000	2,000	13"
1" x 9" or 12"	5-1/2"	0.440"	15,000	2,000	15"
1-1/2" x 12"	5-1/2" *	0.440"	9,000	2,000	15"
1-1/2" x 12"	5-1/2"	0.440"	15,000	2,000	15"
1-1/2" x 12"	5-1/2"	0.440"	15,000	2,000	15"

SWL are based on 1/2" set back from face of concrete.

SWL provides a factor of safety of approximately 2 to 1.

SWL vary with concrete weight and strength as well as insert setback.

For use in other than 2,000 psi normal weight concrete, contact technical services.

* Flare width can be 4" on special order.

RELATED PRODUCTS

- B12 - Coil Rod
- B14 - Coil Bolts
- F48, F49 and F49A - Eye Nut, Eye Bolt and Eye Bolt

HOW TO ORDER

Additional sizes, lengths, flare shapes and materials available made to order. Please call for availability, lead times and pricing.

ORDERING INFORMATION

COIL LOOP INSERT SINGLE FLARED

Product Code	Description	Weight
44250	1/2" X 4" PLAIN W/ 0.223 WIRE DIA.	0.195 LB
105130	1/2" X 6" PLAIN W/ 0.223 WIRE DIA.	0.225 LB
44317	3/4" X 6" PLAIN W/ 0.375 WIRE DIA.	0.670 LB
44320	3/4" X 9" PLAIN W/ 0.375 WIRE DIA.	0.965 LB
44324	3/4" X 12" PLAIN 0.375 WIRE DIA.	1.110 LB
44330	3/4" X 9" PLAIN W/ 0.44 WIRE DIA.	1.266 LB
44334	3/4" X 12" PLAIN W/ 0.44 WIRE DIA.	1.520 LB
44406	1" X 6" PLAIN W/ 0.375 WIRE DIA.	0.900 LB
44410	1" X 9" PLAIN W/ 0.375 WIRE DIA.	1.200 LB
44414	1" X 12" PLAIN W/ 0.375 WIRE DIA.	1.300 LB
44434	1" X 12" PLAIN W/ 0.44 WIRE DIA.	1.680 LB
44464	1-1/2" X 12" PLAIN W/ 0.44 WIRE DIA.	2.050 LB
44331	3/4" X 9" ELECTRO GALV. W/ 0.44 WIRE DIA.	1.128 LB
44435	1" X 12" ELECTRO GALV. W/ 0.44 WIRE DIA.	1.770 LB

COIL LOOP INSERT SINGLE FLARED (RSA STYLE)

Product Code	Description	Weight
44260	1/2" X 12" PLAIN (RSA)	0.750 LB

MANUFACTURER

Dayton Superior Corporation
 1125 Byers Road
 Miamisburg, OH 45342
 Customer Service: 888-977-9600
 Technical Services: 877-266-7732
 Website: www.daytonsuperior.com

TECHNICAL DATA SHEET

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.