

## B-18 Single Flared Coil Loop Insert

The load carrying capacity of any cast-in-place concrete insert is largely dependent upon the ability of the insert to draw upon the tensile strength of the mass of concrete within which it is embedded. The B-18 Single Flared Coil Loop Insert makes effective use of this principle by increasing the depth and width of concrete embedment.

B-18 inserts are available with an optional B-3 Screw-on Coil for use with the B-30 Screw-on Plastic Cone which acts to set the insert back from the face of the concrete.

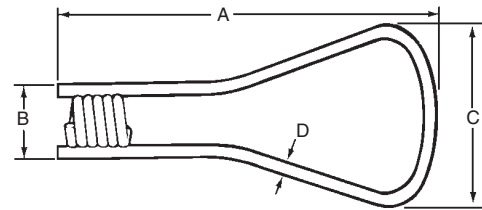
Minimum spacing between inserts is twice the corner distance.

### To Order:

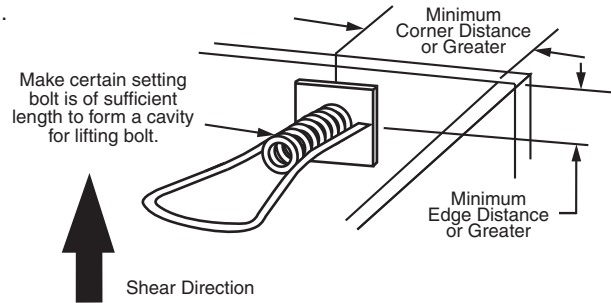
Specify: (1) quantity, (2) name, (3) bolt diameter, (4) length, (5) finish.

### Example:

200, B-18 Single Flared Coil Loop Inserts, 1" dia. X 12" long, plain finish.



B-18 Single Flared Coil Loop Insert



B-18 Double Flared Coil Loop Insert									
Bolt Diameter	Insert-Height	Minimum Edge Distance	Minimum Corner Distance	Safe Working Load Tension	Safe Working Load Shear	A	B	C	D
1/2"	4"	5"	10"	2,250 lbs.	1,510 lbs.	4"	1 3/16"	3"	0.223"
	4"	8"	10"	2,250 lbs.	2,250 lbs.				
3/4"	6"	5"	10"	2,930 lbs.	1,770 lbs.	6"	1 5/8"	5 1/2"	0.306"
	6"	12"	12"	3,750 lbs.	3,750 lbs.				
3/4"	9"	5"	10"	3,750 lbs.	1,770 lbs.	9"	1 5/8"	5 1/2"	0.306"
	9"	12"	12"	3,750 lbs.	3,750 lbs.				
3/4"	12"	5"	10"	3,750 lbs.	1,770 lbs.	12"	1 5/8"	5 1/2"	0.306"
	12"	12"	12"	3,750 lbs.	3,750 lbs.				
3/4"	9"	5"	10"	4,500 lbs.	1,960 lbs.	9"	1 3/4"	5 5/8"	0.375"
	9"	15"	15"	4,500 lbs.	4,500 lbs.				
3/4"	12"	5"	10"	4,500 lbs.	1,960 lbs.	12"	1 3/4"	5 5/8"	0.375"
	12"	12"	12"	4,500 lbs.	4,500 lbs.				
1"	6"	5"	10"	2,920 lbs.	1,960 lbs.	6"	1 7/8"	5 5/8"	0.375"
	6"	12"	12"	4,500 lbs.	4,500 lbs.				
1"	9"	5"	10"	4,500 lbs.	1,960 lbs.	9"	1 7/8"	5 5/8"	0.375"
	9"	12"	12"	4,500 lbs.	4,500 lbs.				
1"	12"	5"	10"	4,500 lbs.	1,960 lbs.	12"	1 7/8"	5 5/8"	0.375"
	12"	12"	12"	4,500 lbs.	4,500 lbs.				
1"	12"	5"	12"	5,970 lbs.	2,130 lbs.	12"	2 1/4"	5 7/8"	0.440"
	12"	14"	14"	7,680 lbs.	7,680 lbs.				
1 1/4"	12"	7"	10"	7,680 lbs.	3,530 lbs.	12"	2 1/2"	5 7/8"	0.440"
	12"	7"	14"	7,380 lbs.	3,530 lbs.				
1 1/2"	12"	7"	10"	7,680 lbs.	3,530 lbs.	12"	2 3/4"	5 7/8"	0.440"
	12"	14"	14"	7,680 lbs.	7,680 lbs.				

Safe Working Loads are based on 1/2" setback from face of concrete.

Safe Working Load provides a factor of safety of approximately 4 to 1 in 3,000 psi concrete.

**Note:** Dayton Superior does not recommend the use of 1/2" diameter bolts for lifting/handling of precast panels.