

### F50 Rocket/Kohler® Ferrule Insert

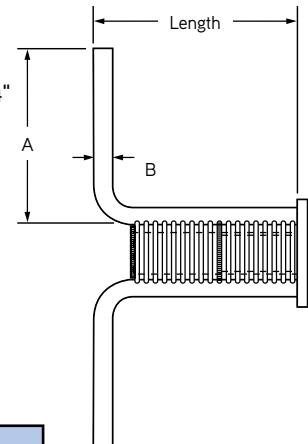
The Dayton Superior F50 Rocket Kohler Ferrule Insert is a two-strut ferrule insert with an extended length ferrule and integral washer face. The F50 insert is available in diameters from 1/4" through 1-1/4" and is well suited for structural connections or supporting hung ceilings, equipment, piping, etc. Insert must maintain at least 3/4" of concrete cover below the insert.

#### To Order:

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

#### Example:

200, F50 Rocket/Kohler Ferrule Insert, 1/2" bolt diameter, plain finish.



**F50 Rocket/Kohler  
Ferrule Insert**

**F50 Rocket/Kohler Ferrule Insert Selection Table**

Bolt Diameter and Threads Per Inch	Insert Length	Minimum Edge Distance	Minimum Corner Distance	Safe Working Load Tension	Safe Working Load Shear	A	B	Maximum Bolt Engagement
1/4" – 20 NC	1-3/4"	4"	6"	750 lbs.	750 lbs.	1-3/4"	0.225"	1-1/4"
3/8" – 16 NC	1-3/4"	4"	6"	1,050 lbs.	1,350 lbs.	1-3/4"	0.225"	1-1/4"
1/2" – 13 NC	2-1/4"	6"	9"	1,575 lbs.	1,075 lbs.	2-1/4"	0.225"	1-3/4"
5/8" – 11 NC	3-3/8"	6"	11"	3,000 lbs.	3,000 lbs.	3-3/8"	0.312"	2-3/4"
3/4" – 10 NC	3-3/8"	6"	11"	3,000 lbs.	3,000 lbs.	3-3/8"	0.312"	2-3/4"
7/8" – 9 NC	3-3/4"	7"	12"	3,800 lbs.	3,800 lbs.	3-3/4"	0.340"	3-1/8"
1" – 8 NC	3-3/4"	7"	12"	3,800 lbs.	3,800 lbs.	3-3/4"	0.340"	3-1/8"
1-1/8" – 7 NC	4-1/4"	8"	14"	4,350 lbs.	4,350 lbs.	4-1/4"	0.340"	3-5/8"
1-1/4" – 7 NC	4-1/4"	8"	14"	4,350 lbs.	4,350 lbs.	4-1/4"	0.340"	3-5/8"

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

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

### F52 Thin Slab Ferrule Insert

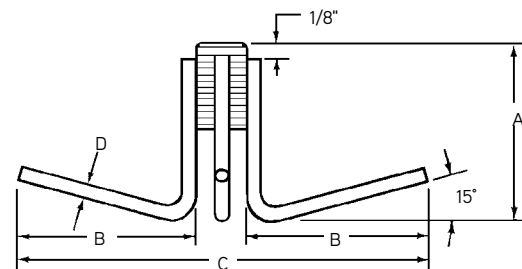
The Dayton Superior F52 Thin Slab Ferrule Insert is fabricated with four L-shaped struts resistance-welded to an NC thread ferrule. The F52 insert is available in 3/4" and 1" bolt diameters and in any height. Insert must maintain at least 3/4" of concrete cover below the insert.

#### To Order:

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

#### Example:

200, F52 Thin Slab Ferrule Insert, 1" bolt diameter, 5-1/2" height, plain finish.



**F52 Thin Slab Ferrule Insert**

**F52 Thin Slab Ferrule Insert Selection Table**

Bolt Diameter and Threads Per Inch	Insert Length	Minimum Edge Distance	Minimum Corner Distance	Safe Working Load Tension	Safe Working Load Shear	A	B	C	D	Maximum Bolt Engagement
3/4" – 10 NC	3-1/8"	8"	12"	3,680 lbs.	3,200 lbs.	3-1/8"	3"	7"	0.306"	1-1/8"
1" – 8 NC	4-1/8"	12"	18"	5,300 lbs.	5,300 lbs.	4-1/8"	4"	9-3/8"	0.306"	1-1/8"

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