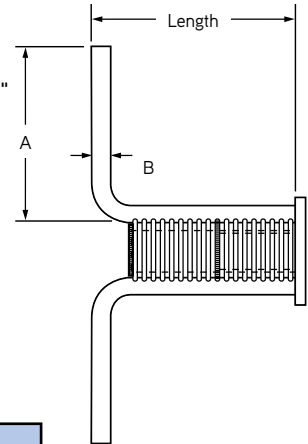


### F50 Rocket/Kohler® Ferrule Insert

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.



F50 Rocket/Kohler Ferrule 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.

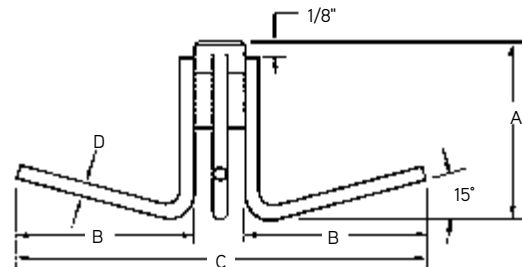
F50 Rocket/Kohler Ferrule Insert Selection Table

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.



F52 Thin Slab Ferrule 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 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.

Structural Connectors