Hangermate for Wood - Ultimate Load Capacities when Installed in Wood[1,2]

Cat. No.	Screw Description	Mount Direction	Rod Coupler Size	Driver #	Load lbs*	UL	FM
						Max. Pipe Size	Max. Pipe Size
Hangermate For Wood - Vertical							
PFM2251000	1/4" x 2"	Vert.	1/4"	PFM2201150 (Red)	1,510	-	-
PFM2251050	1/4" x 1"	Vert.	3/8"	PFM2201150 (Red)	650	-	-
PFM2251100	1/4" x 2"	Vert.	3/8"	PFM2201150 (Red)	1,510	3"	-
PFM2251150	5/16" x 2-1/2"	Vert.	3/8"	PFM2201150 (Red)	2,670	4"	4"
PFM2251200	1/4" x 3"	Vert.	3/8"	PFM2201150 (Red)	2,075	3"	-
PFM2251250	1/4" x 4"	Vert.	3/8"	PFM2201150 (Red)	2,075	3"	-
PFM2251300	5/16" x 2-1/2"	Vert.	1/2"	PFM2201150 (Red)	2,670	-	-
Hangermate For Wood - Horizontal							
PFM2261000	1/4" x 1"	Side	1/4"	PFM2201150 (Red)	650	-	-
PFM2261050	1/4" x 1"	Side	3/8"	PFM2201150 (Red)	650	-	-
PFM2261100	1/4" x 2"	Side	3/8"	PFM2201150 (Red)	1,080	3"	-
PFM2261150	5/16" x 2-1/2"	Side	3/8"	PFM2201150 (Red)	1,450	4"	-
Hangermate Pivot For Wood - Angled Applications							
PFM2281100	1/4" x 2"	Variable	3/8"	PFM2201250	1,470 (Vert.)	-	-
					1,155 (45°)	-	-
Hangermate For Wood - Acoustical Ceiling Screw Eyelet							
PFM2251500	3/16" x 3-1/4"	Variable	-	PFM2201350	880	-	-

*Ultimate Loads In Douglas Fir, Pine and Spruce

1. Truss/joist manufacturers may require pre-drilled holes with wood depending on the location of the anchor installation. Consult with the truss/joist manufacturer for details.
2. The values listed above are ultimate load capacities that must be reduced by a minimum safety factor of 3.0 or greater to determine the allowable working load.

Concrete Hangermate – Ultimate Load Capacities when Installed in Normal-Weight Concrete[1,2,3]

Cat No.	Rod Coupler Size in.	Screw Description	Mount Direction	ANSI Drill Bit Diameter in.	Embed. Depth in.	Minimum Concrete Compressive Strength (f´c)					
						2,000 psi		4,000 psi		6,000 psi	
						Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
PFM2217171	1/4	1/4" x 1-1/4"	Vertical	1/4	1-1/4	1,390	1,810	1,950	2,440	2,070	2,570
PFM2217173	3/8	1/4" x 1-1/2"	Vertical	1/4	1-1/2	1,760	2,580	2,595	2,640	2,770	2,700

1. The values listed above are ultimate load capacities for anchors installed in uncracked normal weight concrete.
2. The values listed above are ultimate load capacities which must be reduced by a minimum safety factor of 4.0 or greater to determine the allowable working load.
3. Linear interpolation may be used to determine load capacities for intermediate compressive strengths.

Concrete Hangermate – Ultimate Load Capacities when Installed Through Metal Deck into Lightweight Concrete[1,2,3,4]

Cat No.	Rod Coupler Size in.	Screw Description	Mount Direction	ANSI Drill Bit Diameter in.	Embedment Depth in.	Lightweight Concrete Over Metal Deck f´c ≥ 3,000 psi	
						4-1/2" Wide Deck	
						Tension lbs.	Load at 45° lbs.
PFM2217171	1/4	1/4" x 1-1/4"	Vertical	1/4	1-1/4	800	1,140
PFM2217173	3/8	1/4" x 1-1/2"	Vertical	1/4	1-1/2	1,780	1,500

1. The values listed above are ultimate load capacities for anchors installed in uncracked sand-lightweight concrete.
2. The metal deck shall not exceed 18 gauge (0.048-inch base metal thickness) and conform to ASTM A 653.
3. The values listed above are ultimate load capacities which must be reduced by a minimum safety factor of 4.0 or greater to determine the allowable working load.
4. The tabulated load values are for anchors installed with a minimum lower flute edge distance of 1-1/8-inch; or in the upper flute with consideration for integral washer clearance.

Concrete Hangermate – Ultimate Load Capacities when Installed in Hollow Core Concrete Plank[1,2]

Cat No.	Rod Coupler Size in.	Screw Description	Mount Direction	ANSI Drill Bit Diameter in.	Embedment Depth in.	Tension, Center of Web lbs.	Tension, Center of Core lbs.
PFM2217171	1/4	1/4" x 1-1/4"	Vertical	1/4	1-1/4	2,775	1,920
PFM2217173	3/8	1/4" x 1-1/2"	Vertical	1/4	1-1/2	3,700	2,570

1. Tabulated load values are for anchors installed in 8-inch-thick uncracked hollow core concrete with minimum compressive strength of 5,000 psi at the time of installation. The normal-weight concrete must have 1-1/2" cover above and below cores and a minimum web thickness of 1-1/2".
2. The values listed above are ultimate load capacities which must be reduced by a minimum safety factor of 4.0 or greater to determine the allowable working load.

Concrete Hangermate – Factory Mutual (FM Global) Listings for Pipe Hangers

Cat. No.	Rod Coupler Size in.	Screw Description	Mount Direction	ANSI Drill Bit Diameter in.	Embedment Depth in.	FM Max. Pipe Size
PFM2217173	3/8	1/4" x 1-1/2"	Vertical	1/4	1-1/2	4"