WOOD STRUCTURE CONNECTORS
U PLATE - FIXED
UF2.5-4 OR 5, UF3-4 OR 5

Application

Used for connecting wood post and beams.

Mechanical Capacity

Single bearing plate

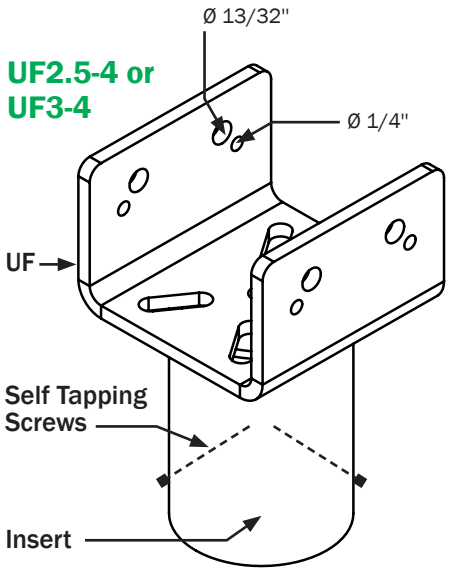
Ultimate Compression / Tension	30 kips / 4 kips
Allowable Compression / Tension	15 kips / 2 kips

Technical Specifications

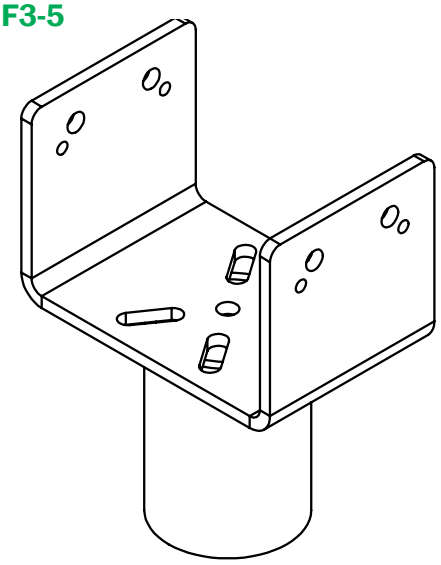
Material (standard) :

Cap	CSA G40.21 / 300W
Insert	ASTM A500 Grade C
Black Steel Design Life	50 years per AC358
Coating	Galvanized
Galvanization compliance	ASTM A123

UF2.5-4 or UF3-4



UF2.5-5 or UF3-5



Geometry :

Pile Model	Model No.	Dimensions			
		Length	Width	Height	Thickness
P2.5 or P3	UF2.5-4 or UF3-4	4" (101.6 mm)	3.5625" (90.5 mm)	2.75" (69.9 mm)	0.25" (6.4 mm)
	UF2.5-5 or UF3-5	4" (101.6 mm)	5 - 9/16" (141.3 mm)	4" (101.6 mm)	0.25" (6.4 mm)

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Allowable capacity for common applications :

Pile Model	Model No.	Supported member	Allowable Capacity			
			Compression (Down)	Tension (Uplift)		Lateral
			Single plate	3/8" lag screws	#8 screws	
P2.5 or P3	UF2.5-4 or UF3-4	2 ply 2 x __ SPF Beam	4,000 lb (17.8 kN)	1,025 lb (4.6 kN)	700 (3.1)	700 lb (3.1 kN)
		2 ply - LVL beam	9,000 lb (40 kN)	1,750 lb (7.8 kN)		
		4 x 4 SPF Post	11,200 lb (49.8 kN)	1,625 lb (7.2 kN)		
	UF2.5-5 or UF3-5	3 ply 2 x __ SPF Beam	5,000 lb (22.2 kN)	1,025 lb (4.6 kN)	700 (3.1)	700 lb (3.1 kN)
		3 ply - LVL beam	15,000 lb (66.7 kN)	1,750 lb (7.8 kN)		
		6 x 6 SPF Post	15,000 lb (66.7 kN)	1,625 lb (7.2 kN)		

Installation instructions and special notes

1. Allowable tension and lateral capacity are based on NDS code and load duration Cd=1.6
2. Allowable compression capacity are based on NDS code and internal testing. Cap must directly bear on shaft.
3. For wet use multiply table values by 0.7
4. Use all specified fasteners (or approved equivalent) lag screws 3/8" Ø x 2" long or wood screws #8 x 2" long
5. Uplift connection from cap to shaft shall be self-tapping screws (3 x UCAN self drilling screws, size 12-24, drill point #5 or equivalent) or 3/16" fillet weld all around (E70XX)
6. Capacity above 7,000 lb must be limited to 1/4" misalignment. For capacity below 7,000 lb, pile installation tolerances must be within 1/2" of misalignment and ± 1° of inclination.
7. Structural Designer is responsible for wood design and verifying capacity of connection to wood members
8. Loads shall be reduced where limited by capacity of the wood and/or capacity of the installed pile
9. For any questions regarding uplift, lateral and compression capacities please contact TMP Engineers at eng.usa@technometalpost.com