WOOD STRUCTURE CONNECTORS
FLAT PLATE - FIXED
A2.5-3-FIX + PCE-4 OR PCE-5

Application

Used for connecting wood post and beams.

Mechanical Capacity

Single bearing plate

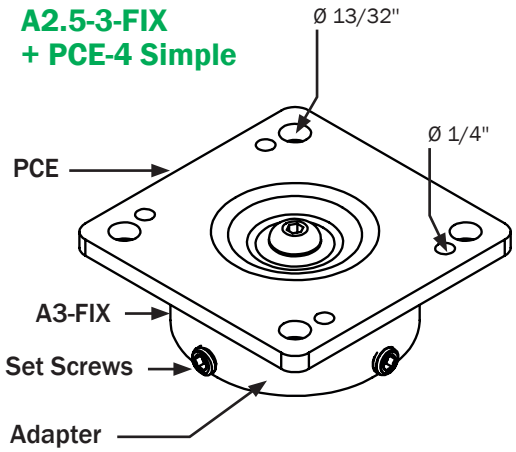
Ultimate Compression / Tension	22 kips / 4 kips
Allowable Compression / Tension	11 kips / 2 kips

Technical Specifications

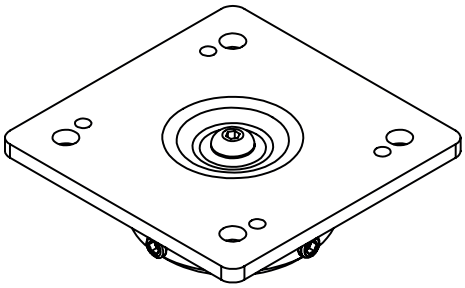
Material (standard) :

Cap	CSA G40.21 / 300W
Adapter	Casted 1018 steel
Threaded rod	1" Ø SAE Grade 2
Button head cap screw	3/8" Ø - Grade 5
Socket head set screws	3/8" Ø - Grade 5
Black Steel Design Life	50 years per AC358
Coating	Galvanized
Galvanization compliance	ASTM A123

A2.5-3-FIX + PCE-4 Simple



A2.5-3-FIX + PCE-5 Simple



Geometry :

Pile Model	Model No.	Dimensions			
		Length	Width	Height	Thickness
P2.5 or P3	A2.5-3-FIX + PCE-4	4" (101.6 mm)	4" (101.6 mm)	N/A	0.25" (6.4 mm)
	A2.5-3-FIX + PCE-5	5" (127 mm)		N/A	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	1/4" lag screws	#8 screws
P2.5 or P3	A2.5-3-FIX + PCE-4	2 ply 2 x __ SPF Beam	4,000 lb (17.8 kN)	N/A	450 lb (2.0 kN)	N/A	700 lb (3.1 kN)
		3 ply 2 x __ SPF Beam	6,700 lb (29.8 kN)	N/A	450 lb (2.0 kN)	850 lb (3.8 kN)	
		2 ply - LVL beam	9,000 lb (40 kN)	N/A	600 lb (2.7 kN)	1,300 lb (5.8 kN)	
		4 x 4 SPF Post	11,200 lb (49.8 kN)	N/A	N/A	1,200 lb (5.3 kN)	
	A2.5-3-FIX + PCE-5	3 ply 2 x __ SPF Beam	5,000 lb (22.2 kN)	N/A	450 lb (2.0 kN)	850 lb (3.8 kN)	700 lb (3.1 kN)
		3 ply - LVL beam	15,000 lb (66.7 kN)	N/A	600 lb (2.7 kN)	1,300 lb (5.8 kN)	
		6 x 6 SPF Post	15,000 lb (66.7 kN)	N/A	N/A	1,200 lb (5.3 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 below.
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 to apply minimum of 15 ft-lb torque of set screws.
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