WOOD STRUCTURE CONNECTORS
U PLATE - ADJUSTABLE
A1/2-ADJ + PUE-4 OR PUE-5

Application

Used for connecting wood post and beams.

Mechanical Capacity

Single bearing plate

Ultimate Compression / Tension	18 kips / 4 kips
Allowable Compression / Tension	9 kips / 2 kips

Double bearing plate (PCE-4 + PCE-4 or PUE-5)

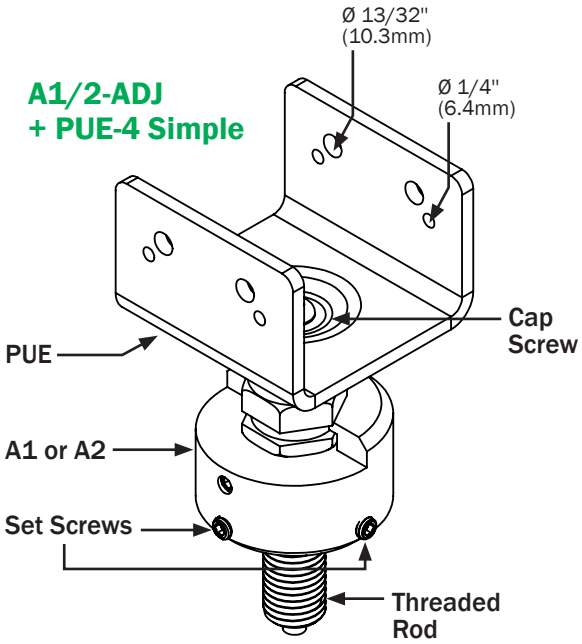
Ultimate Compression / Tension	22 kips / 4 kips
Allowable Compression / Tension	11 kips / 2 kips

Technical Specifications

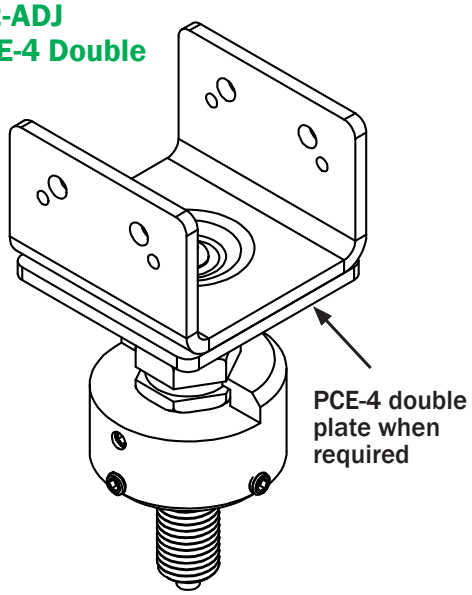
Material (standard) :

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

A1/2-ADJ + PUE-4 Simple



A1/2-ADJ + PUE-4 Double



Geometry :

Pile Model	Model No.	Dimensions			
		Length	Width	Height	Thickness
P1, P2 or P2HD	A1/2-ADJ + PUE-4	4" (101.6 mm)	3.5625" (90.5 mm)	N/A	0.25" (6.4 mm)
	A1/2-ADJ + PUE-5	4" (101.6 mm)	5.5625" (141.3 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	Double plate	3/8" lag screws	#8 screws	lb. (kN)
P1, P2 or P2HD	A1/2-ADJ + PUE-4	2 ply 2 x __ SPF Beam	4,000 lb (17.8 kN)	4,000 lb (17. 8 kN)	1,025 lb (4.6 kN)	700 lb (3.1 kN)	Not rated
		2 ply - LVL beam	6,000 lb. (26.7 kN)	7,700 lb (34.3 kN)	1,750 lb (7.8 kN)		
		4 x 4 SPF Post	6,500 lb (28.9 kN)	8,100 lb (36.0 kN)	1,625 lb (7.2 kN)		
	A1/2-ADJ + PUE-5	3 ply 2 x __ SPF Beam	4,300 lb (19.1 kN)	4,500 lb (20.0 kN)	1,025 lb (4.6 kN)	700 lb (3.1 kN)	Not rated
		3 ply - LVL beam	6,000 lb (26.7 kN)	10,400 lb (46.3 kN)	1,750 lb (7.8 kN)		
		6 x 6 SPF Post	6,500 lb (28.9 kN)	11,000 lb (48.9 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 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
10. Maximum exposed height of threaded rod shall be 4".