

TECHNICAL DATA SHEET

U-SHAPED FIXED HEAD (TFU4-312E)



PRODUCT SPECIFICATIONS		
Physical and Chemical Properties		
STEEL GRADE	Conform to CAN/CSA G40.21-350W and/or ASTM A500 grade C standards, or approved equivalent	
ARC WELDING	Conform to CSA W59	
HOT DIP GALVANIZATION	Conform to ASTM-A123M	
RECOMMENDED HARDWARE	ASTM A325 or SAE J429 Grade 5 bolts	
Models		Standard Dimensional Specifications
TFU4-312E FIXED HEAD	1/4" thick plate with 3 1/2" inside clearance, welded to a 4" Ø x 4" lg tube. Compatible with P312 piles	
Mechanical Resistance		
EFFORTS	ULS ⁽¹⁾	SLS ⁽¹⁾
Compression in kN (lb) ⁽²⁾	350 kN (78600 lb)	260 kN (58400 lb)
Tension in kN (lb) ⁽²⁾	60 kN (13400 lb)	45 kN (10100 lb)

(1): ULS = Ultimate Limit State; SLS = Service Limit State.

(2): The resistances indicated in the above table represent the maximum metal assembly capacities when connected to a P312 pile.

NORMATIVE INFORMATION

This Postech pile accessory has been the subject of calculations and/or physical tests. The aim of this work is to validate the mechanical resistance of the part. In accordance with CCMC technical guide TG-316216.01-15, referring to the National Building Code (NBC), and in compliance with the ISO-9001 quality management system.

MANUFACTURER:

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CONDITIONS OF USE

- U-shaped fixed pile heads are ideal for supporting timber beams and columns.
- Bolted fixed heads are designed to support compressive, tensile and lateral loads.
- To support tension loads, two (2) of the four (4) head clamping bolts must be screwed through holes drilled in the top of the pile tube.
- Applied loads must be centered on the pile head.
- In cases where the pile head is intended to support a hollow column, a steel plate with a thickness greater than or equal to 1/4" must first be installed at the base of the column, with the approval of an engineer.
- 2 bolts with a minimum diameter of 1/2" must be used to connect the head to the wooden structure. Threads must be excluded from the shear zone.



Typical Connection Detail

ADVANTAGES

- Product and installation are supplied.
- Can be installed in all climates, weather or ground conditions.
- Allows the adjustment of pile heads.
- The most reliable & economical solution available.
- Reusable and recyclable, environmentally friendly.
- Can be installed under an existing structure.
- No waiting time, you can build as soon as the installation is completed.

