

# TECHNICAL DATA SHEET

## KNIFE BLADE FIXED HEAD (TFS8-KB10-312E)



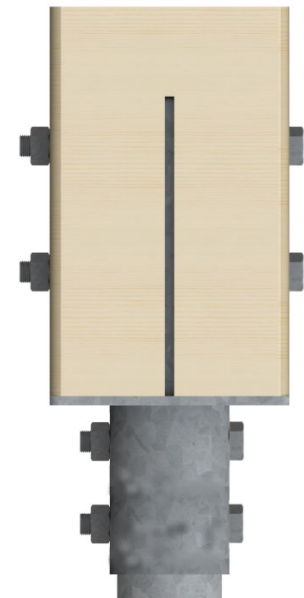
PRODUCT SPECIFICATIONS		
Physical and Chemical Properties		
<b>STEEL GRADE</b>	Conform to CAN/CSA G40.21-350W and/or ASTM A500 grade C standards, or approved equivalent	
<b>ARC WELDING</b>	Conform to CSA W59	
<b>HOT DIP GALVANIZATION</b>	Conform to ASTM-A123M	
<b>RECOMMENDED HARDWARE</b>	ASTM A325 or SAE J429 Grade 5 bolts	
Models		Standard Dimensional Specifications
<b>TFS8-KB10-312E FIXED HEAD</b>	8" x 5/16" tk. square plate welded to a 10" x 7" x 5/16" tk. plate and to a 4" Ø x 6" lg. tube. Compatible with P312 piles	
Mechanical Resistance		
EFFORTS	ULS <sup>(1)</sup>	SLS <sup>(1)</sup>
Compression in kN (lb) <sup>(2)</sup>	350 kN (78600 lb)	260 kN (58400 lb)
Tension in kN (lb) <sup>(2)</sup>	175 kN (39300 lb)	130 kN (29200 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.

### CONDITIONS OF USE

- Knife blade-type fixed pile heads are ideal for supporting timber columns.
- Bolted fixed heads are designed to support compressive, tensile and lateral loads.
- To support tension loads, the head must be connected to the pile using 2 x 3/4" edge-to-edge bolts through holes drilled in the top of the pile tube.
- Applied loads must be centered on the pile head, and the wooden column must be in contact with the square base plate.
- 2 through bolts with a minimum diameter of 3/4" must be used to connect the head to the wooden structure. Threads must be excluded from the shear planes.



Typical Connection Detail

### 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:

Pieux Vistech - Postech Screw Piles  
 10260, Bourque boulevard  
 Sherbrooke QC J1N 0G2  
 Tel.: 819.843.3003  
 Toll free: 1.866.277.4389  
 Fax. : 819.868.0793  
[postechpiles.com](http://postechpiles.com)

### 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.

