

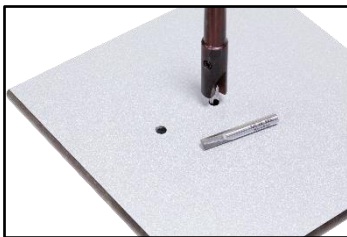
# Calculation method for PTS Secret Fix

## Principles for Securing Secret Fix Brackets to HPL Panels using PTS Screws



### Step 1

Drill hole in the rear of the panel using the correct Stop Drill to remain 3mm from the face of the panel



### Step 2

Place Bracket over the Pre-drilled hole



### Step 3

Place screw through bracket and into the pre-drilled hole utilising the appropriate size washer(s) to maintain a 3mm gap from the face of the panel.








### Calculation Formula

Panel Thickness	Bracket Thickness	Panel Clearance	Screw Depth Required	Select Screw Size (mm)			Select Washer Size (mm)			Screw Depth Achieved
				9.5	11.5	14.5	1.0mm	1.5mm	2.0mm	
8.0 mm	5.0 mm	3.0 mm	= 10mm							10mm



# Calculation method for PTS Secret Fix

Panel Thickness	Bracket Thickness	Stop Drill	Screw Length 9.5mm	Screw Length 11.5mm	Screw Length 14.5mm
					
mm	mm	Stop Drill (mm)	Washer Thickness (mm)	Washer Thickness (mm)	Washer Thickness (mm)
8	1.5	5	3.0	5.0	8.0
8	2.0	5	2.5	4.5	7.5
8	2.5	5	2.0	4.0	7.0
8	3.0	5	1.5	3.5	6.5
8	3.5	5	1.0	3.0	6.0
8	5.0	5	See 11.5/14.5	1.5	4.5
10	1.5	7	1.0	3.0	6.0
10	2.0	7	See 11.5/14.5	2.5	5.5
10	2.5	7	No Washer Required	2.0	5.0
10	3.0	7	See 11.5/14.5	1.5	4.5
10	3.5	7	See 11.5/14.5	1.0	4.0
10	5.0	7	See 14.5 Screws	See 14.5 Screws	2.5
13	1.5	10	See 14.5 Screws	No Washer Required	3.0
13	2.0	10	See 14.5 Screws	See 14.5 Screws	2.5
13	2.5	10	See 14.5 Screws	See 14.5 Screws	2.0
13	3.0	10	See 14.5 Screws	See 14.5 Screws	1.5
13	3.5	10	See 14.5 Screws	See 14.5 Screws	1.0
13	5.0	10	See 14.5 Screws	See 14.5 Screws	No Washer Required

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