

# Install your Pulse Radar with a **SCANSTRUT**

Scanstrut products allow the effective installation of 2kW or 4kW Pulse radar series onto power or sail boats.



## How to Order Your 'Scanstrut' Radar Mount:

The Scanstrut products listed below are available to purchase from your Simrad or Lowrance Dealer. As a result, you can order a Scanstrut mount when you order your radar antenna.

The complete range of Scanstrut products are available on demand. Visit [www.scanstrut.com](http://www.scanstrut.com) for further information.

## SAILBOAT INSTALLATION

### For Backstay Install:

#### Self Levelling Radar Mount - Backstay (aft mounted)

Part no: LMB-A2 for 2kW / LMB-A3 for 4kW



Radar performance can be significantly reduced when boat is heeled over and the radar is not level with the horizon.

The Scanstrut leveller ensures the radar is level at all times for optimum performance.

### For Mast Install:

#### Mast Mount

Part no: SC12 for 2kW / SC21\* for 4kW



A classic install, the Mast Mount attaches to the mast by 4 swivel feet and has a 12 point fixing.

The product is finished in a polyester powder coating with a durable gloss white finish

\*Additional adapter plate required - part no. 19042

## POWERBOAT INSTALLATION

### For Cabin Roof, Flybridge or Radar Arch Installs:

#### Composite PowerTower®

Part no: PT2002 (tall) for 2kW / PT2005 (short) for 2kW / 4kW\*



A single piece composite structure for outstanding strength and surface finish.

With 2 heights available 6" & 14" (150mm & 350mm) you can raise your antenna from the cabin roof, flybridge or radar arch.

\*Additional adapter plate required for 4kW - part no. 19042

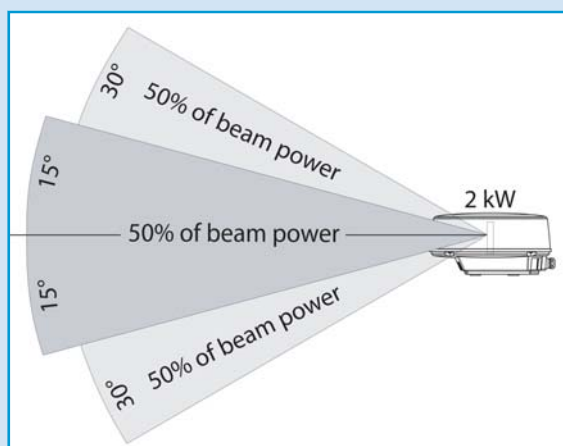
### PowerTower Accessory:

#### 4° Base Wedge

Part no: PT3010



Angles your radar down 4° below horizontal and provides a level horizon for your radar when the boat is bow's up underway.



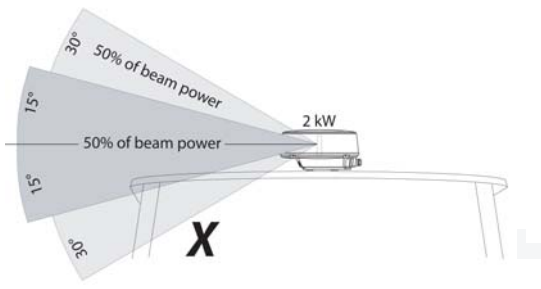
## Mounting Tips

The vertical radar beam extends to 30° either side of horizontal from the radar antenna. With 50% of the power projecting in a beam of 15° off the horizontal (as shown in the picture).

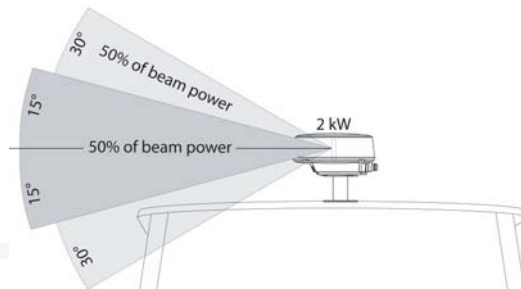
For optimum performance, when mounting the radar to vessels with a large hard top surface area, the radar should be positioned to allow the vertical radar beams to clear the superstructure of the boat.

[www.scanstrut.com](http://www.scanstrut.com)

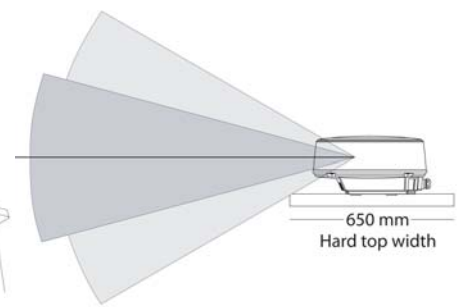
# Installing Your Radar for Optimum Performance with a **SCANSTRUT**



**Incorrect:**  
Reduced performance due to radar signal reflection or absorption of the hard top



**Better:**  
But there will still be a decrease in performance



**Optimum:**  
Radar beams can clear the hard top. Hardtops with a width of 0.85m (3 ft), radar can be mounted directly to roof

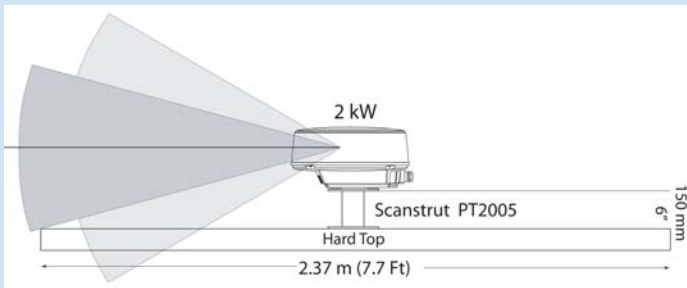
## Installing a radar on your Powerboat

Using a Scanstrut PowerTower you can raise the scanner to help allow the radar beams to clear the hard top.

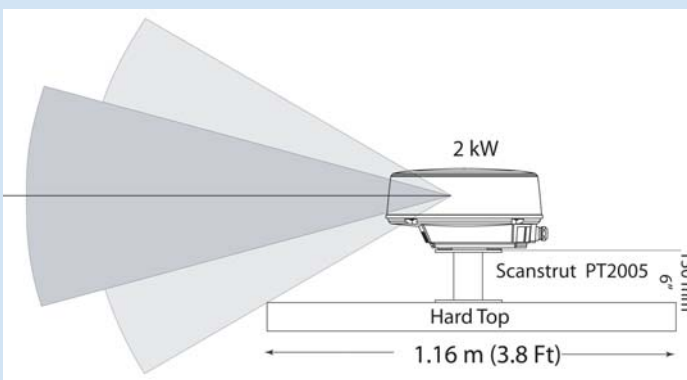


**PT2005 PowerTower**  
Will raise scanner by 150mm (6")

Better Performance: Hard tops up to 2.37m (7.7 ft) using Scanstrut PT2005

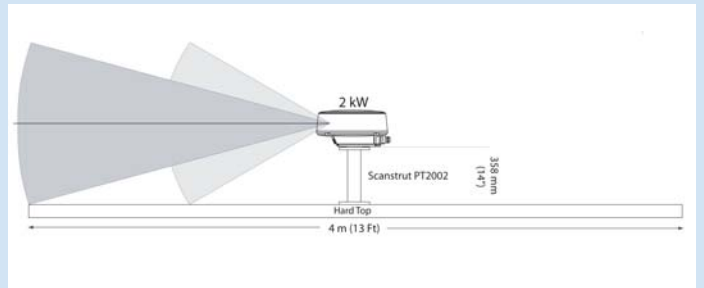


Optimum performance: Hard tops up to 1.16m (3.8 ft) using Scanstrut PT2005



**PT2002 PowerTower**  
Will raise scanner by 350mm (14")

Better Performance: Hard tops up to 4.0m (13 ft) using Scanstrut PT2002



Optimum performance: Hard top up to 1.9m (6.2 ft) using Scanstrut PT2002

