# NORBIT CARBON FIBRE "PORTUS" MOUNTING POLE

Built specifically for NORBIT's integrated sonar systems the new PORTUS Pole fits in a single airline checked luggage case. With a combined weight of 60lbs/27kg, including wheeled hard ski case, it is safely transported to your next vessel of opportunity and set up by a single person. Multi-directional carbon fibre weave shaped from a streamlined body provides unprecedented rigidity while enabling sustained survey speeds of 8-knots with pole fully extended. The new MK3 kit incorporates a 3-position telescopic mast with fixed/known offsets and repeatable patch test alignments for rapid and accurate construction (dredge), infrastructure or clearance surveys.  May be setup without tools and on nearly any vessel. Setup, power on and explore more!
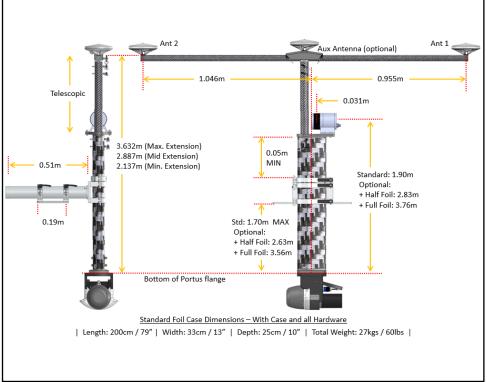
✓ Designed specifically for NORBIT integrated Systems

✓ Corrosion Resistant & Fully Hydrodynamic

✓ Flex-Free Carbon Fibre

✓ Collision Kick-Up - Survey at 8 knots

✓ Ultra-Lightweight, Complete kit: 18.6kg (41lbs)+Case 8.6kgs (19lbs)

✓ Airline Accepted Single Checked Luggage Piece

✓ Ultra-Fast Mobilisation – Repeatable Offsets/Patch Test

✓ Built-In Cable Protection/Management



## Including

✓ Sonar Mounting Pole 1.85m (6')
✓ Telescopic Mast:
  Low 0.25m (0.8ft)
  Mid 1m (3.3ft)
  High 1.7m (5.7ft)
✓ LiDAR Mounting plate
✓ Draft Clamp
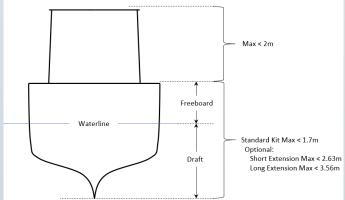✓ Wheeled Hard Case
✓ Quick set-up Instruction Video





Ant 2    Aux Antenna (optional)    Ant 1

Telescopic

1.046m    0.955m

0.031m

3.632m (Max. Extension)
2.887m (Mid Extension)
2.137m (Min. Extension)

0.05m MIN

0.51m

0.19m

Standard: 1.90m
Optional:
+ Half Foil: 2.83m
+ Full Foil: 3.76m

Std: 1.70m  MAX
Optional:
+ Half Foil: 2.63m
+ Full Foil: 3.56m

Bottom of Portus flange

Standard Foil Case Dimensions – With Case and all Hardware
| Length: 200cm / 79" |  Width: 33cm / 13"  |  Depth: 25cm / 10"  |  Total Weight: 27kgs / 60lbs |

**NORBIT**
*- explore more -*



Easily transport to or from your vessel.

Complete kit (less gunwale assembly) with installed NORBIT integrated system, suite weighs under 20kg.



Max < 2m

Freeboard

Waterline

Draft

Standard Kit Max < 1.7m
Optional:
  Short Extension Max < 2.63m
  Long Extension Max < 3.56m

Re-install without tools. Survey ready in a couple of minutes.

Offsets and patch test alignment values are repeatable, once measured. Rapid & Accurate.



Easily configurable to transit mode.

Forward antenna bar detaches (remove one ball-lock pin) and attach to antenna mast using the included Gear Ties.

Once on-site, re-insert forward antenna bar, power on system and commence surveying.