

Measurement + Photo Guide

A complete intake, including accurate measurements and photos, allows Adriatic Metal Fabrication to provide a **fixed quote** and **committed lead time** for your custom aluminium fuel tank.



WHY THIS MATTERS

Incomplete intake = estimate only. Signed intake + photos = fixed quote and confirmed lead time.



TOOLS YOU NEED

Steel tape measure (2m+), camera or phone, notepad. Calipers useful for pipe fittings.



RESPONSE TIME

Fixed quote within 48–72h of complete submission. Incomplete submissions receive budgetary estimate only.



SEND TO

Completed guide + photos -> office@adriaticmarinefabrication.com with subject: Measurements for RFQ - [Vessel Name]

PROJECT INFORMATION

YARD / COMPANY NAME:

VESSEL NAME:

CONTACT NAME:

TANK PURPOSE:

FUEL TYPE:

REQUIRED DATE:

DATE:

PROJECT REF.:

EMAIL/WA:

APPROX. CAPACITY (L):

DELIVERY/EXW COLLECTION:

MEASUREMENT GUIDE

What is the envelope? *It is the maximum outer boundary of the space where the tank must fit. Measure the available cavity, not your estimated tank size. We design the tank to fit within your envelope with required clearances.*

Measure the SPACE, not the tank.

If replacing, don't copy the old tank size - cavity may have extra room we can use for capacity.

Measure at multiple points.

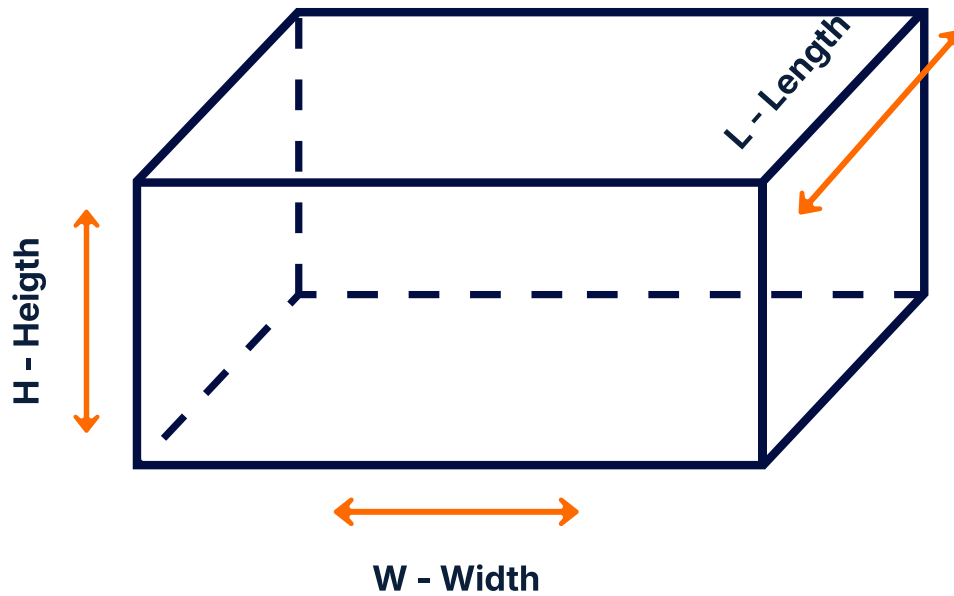
Hulls are curved. Measure at front, middle, and back. Give us the minimum in each axis.

Note every obstacle.

Frames, ribs, pipe runs, electrical conduit - sketch or photograph anything inside the cavity.

Use metric (mm)

All AMF drawings are in millimetres. Convert imperial and double-check.



Please provide the following measurements with the utmost accuracy. Use the correct units as specified in the table below. In the 'Your Value' column, enter the measured value.

Code	Dimension Description	Unit	Your Value
L	Maximum usable length (fore-aft or longest axis)	mm	
W	Maximum usable width (port-starboard)	mm	
H	Maximum usable height (depth / vertical clearance)	mm	
L2	Length at restricted end (if tapered/stepped)	mm	
W2	Outlet Width at restricted end (if tapered)	mm	
H2	Height at restricted zone (if stepped)	mm	
OA	Overall diagonal / obstructions (note location)		

- Sketch the shape below if cavity is irregular (L-shape, stepped, tapered):

ACCESS + INSTALLATION CONSTRAINTS

Constraints that affect how we design and how the tank goes in.

Code	Dimension Description	Unit	Your Value
AC-1	Access hatch / opening width (to get tank in)	mm	
AC-2	Access hatch / opening height	mm	
AC-3	Minimum clearance above tank (for maintenance access)	mm	
AC-4	Minimum clearance to port side	mm	
AC-5	Minimum clearance to starboard side	mm	
AC-6	Minimum clearance fore	mm	
AC-7	Minimum clearance aft	mm	
MT-1	Mounting type		
MT-2	Support span (distance between support points)	mm	

Is the tank area ventilated?

Risk of standing water contact?

Adjacent dissimilar metals (stainless, bronze)?

Any structural framing in the bay to avoid?

Tank is on build critical path?

FITTINGS, CONNECTIONS + INTERFACES

List all connections. For each, indicate: size / thread standard, preferred face/side, and whether it is a standard fitting or custom. Use a separate row per fitting.

#	Fitting Type	Size Thread	Face / Position	Notes
1	Fill Deck Fitting			
2	Fill Neck (to tank)			
3	Vent			
4	Primary Pickup			
5	Return Line			
6	Drain / Sump			
7	Sender Unit			
8	Inspection Plate			
9				

Tip: If you have an existing tank, photograph the fitting schedule label or use the old fittings as reference.

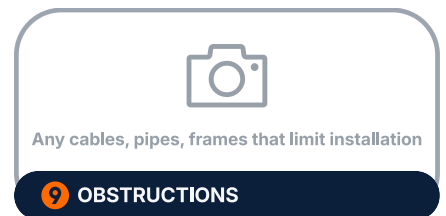
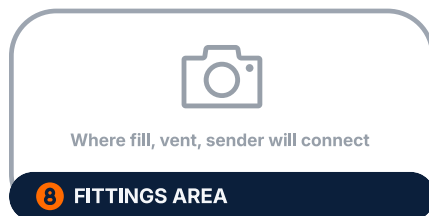
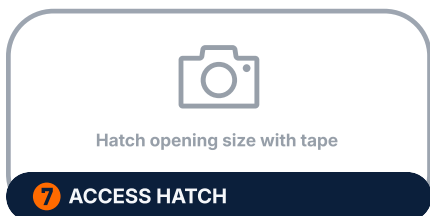
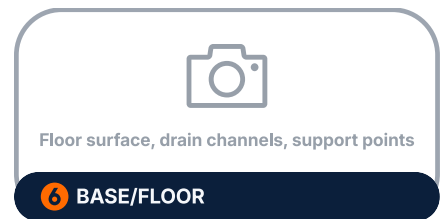
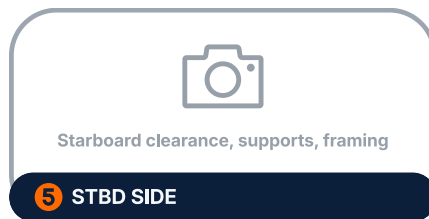
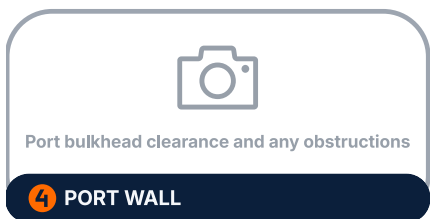
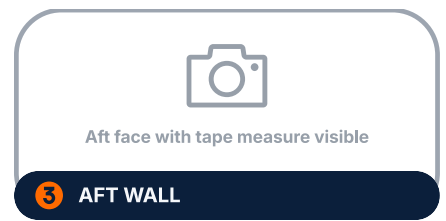
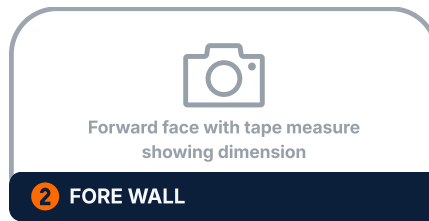
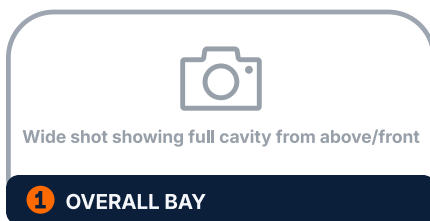
SENDER UNIT + CAPACITY TARGET

Code	Dimension / Detail	Unit	Your Value
CAP	Target capacity	L	
SD-H	Sender flange standard		
SD-D	Sender float arm travel (full to empty)	mm	
SD-R	Resistance range (gauge ohm spec)	Ω	
SD-B	Brand / model of existing gauge (if replacing)		
SD-U	Sender orientation		

Note: Map sender arm travel clearly - incorrect spec is a leading cause of inaccurate fuel gauges post-install.

REQUIRED PHOTO SET

Please make minimum 9 photos for a fixed quote. Label files: vessel_photo1_description.jpg



HOW TO TAKE MEASUREMENT PHOTOS

01 **Bring a measuring tape into frame**

Rest the tape measure against the surface being measured. Make sure it reads clearly. Zoom in before shooting if numbers are small. Both endpoints must be visible.

02 **Use consistent reference objects**

Place a ruler in every shot. This gives us a scale reference even if your stated dimensions differ slightly from the photo.

03 **Shoot square to each face**

Stand directly in front of each wall, floor, or fitting. Angles and fisheye effects distort dimensions. Take the photo level with the surface if possible.

04 **Bright space**

Use your phone torch or a work light. Dark corners miss critical details, shadows hide obstructions, pipe runs, and frame members we need to design around.

05 **Overlap photos for context**

Take one wide shot, then close-ups of each zone. Over-shooting is always better than under-shooting.

06 **Photograph the old tank label**

If replacing an existing tank, photograph its specification label (usually welded plate or sticker on top or side) showing capacity, material, and serial number.

COMMON MISTAKES TO AVOID

Measuring the OLD tank instead of the available cavity space

Not photographing the access hatch (we can't deliver what can't be installed)

Forgetting the vent routing path and maximum fill neck diameter

Omitting the sender resistance range, it causes gauge calibration issues

Photos taken without a tape measure in frame, it loses dimensional reference

WHAT HAPPENS NEXT

- Within 24h** **We acknowledge receipt and flag any missing information**
- 48 - 72h** **Fixed quote issued with: price, lead time, drawing Rev A, compliance pack level**
- Drawing Rev A** **You review, request changes, and provide written approval**
- On approval** **50% deposit confirms your production slot and material procurement starts**
- Fabrication** **Your tank is built, tested, and documented to our QA standard**
- At shipment** **Compliance Pack issued with: drawings, test cert, traceability, install checklist**

READY TO SUBMIT QUOTE?

We're happy to answer questions before you measure. A 15-minute WhatsApp call often saves an hour of guesswork.

office@adriaticmarinefabrication.com