



**MARVEX**

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STRUCTURA™

# BULWARKS

Concealed Bulwark Access System

**Flush access. Faster fit-out.**



SYSTEM OVERVIEW

## A pre-assembled bulwark access unit, built for GRP yacht construction.

BULWARKS ships as a complete, frame-mounted kit that seats into a molded compartment formed during hull lamination. Arriving pre-assembled, it compresses on-board fit-out time and removes the overlap of trades during final finishing. A concealed 180° stainless hinge and lever lock sit behind a single, uniform perimetral gap — a flush exterior line with no visible fixings. A template defines the exact compartment, so the external gap matches on first fit.

WHY BULWARKS

**MOLDED-COMPARTMENT FIT**

Installs into a compartment formed during lamination — no structural cutting on board.

**FASTER FIT-OUT**

Pre-assembled kit compresses install time and removes overlap of trades at final set-up.

**ADJUSTABLE ALIGNMENT**

Door aligns flush to the surface with a constant perimetral gap around the frame.

**CUSTOM SIZING**

Supplied in standard sizes or made to specification on request.

MATERIALS & FINISH

The bulwark body is aluminium alloy, supplied paint-ready and finishable in any colour with dedicated marine coatings. The concealed spider hinge — opening to a full 180° — and the lever lock are machined in AISI 316 stainless steel with a mirror-polished finish. The operating handle is stainless steel.

ANY PAINTED FINISH



## HARDWARE &amp; DETAIL

# Concealed AISI 316 hinge, 180° opening.



Hinge type	Concealed multi-bar (spider)
Opening angle	180°
Hinge / lock material	AISI 316 stainless
Finish	Mirror polished
Body material	Aluminium alloy, paint-ready
Handle	Stainless steel
Application	GRP / fibreglass yacht

## HOW IT WORKS — INSTALLATION SEQUENCE

1

**Compartment**

The yard forms the compartment during hull lamination.

2

**Template**

A template defines the exact size of the compartment.

3

**Template Check**

The template verifies compartment size and fit before finishing.

4

**Frame Finish**

The perimetral frame is filled, faired and finished flush.

5

**Install**

The door is removed for grouting and paint, the kit fitted, the door refitted.

6

**Ready**

BULWARKS is aligned, gapped and ready for service.

## OPTIONS &amp; ACCESSORIES

## Configure to the yard's interface.



### Concealed Hinge Kit

Supplied as a standalone accessory kit where the hinge set is specified separately from the door unit.



### Lock / Closing Kit

Lever-lock and closing hardware supplied on request to suit the opening.

### Lock-in-Open Detent

Hold-open function to secure the door in the fully open position.

### Integrated LED Strip

Perimeter LED configuration integrated into the surrounding frame line.

MARVEX technical support is available to define the interface within the yard's fibreglass support structure.

## CATALOGUE REFERENCES

SKU	DESCRIPTION	SUB-CATEGORY
ST-BA-0001	MARVEX BULWARKS — Concealed Bulwark Access System (standard)	Bulwark Access
ST-BA-0002	MARVEX BULWARKS — Custom-sized unit (made to specification)	Bulwark Access
ST-HG-0001	MARVEX 180° Concealed Marine Hinge, AISI 316 (kit)	Hinges
ST-HG-0002	MARVEX Lock & Closing Kit, AISI 316	Hardware



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