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Anchoring from a steep hull

Client:
Latitude Yachts - BJB

Project:
Galaxy - 53m / 174ft

Weight:
275kg / 606lb

Year:
2014

Material:
316L Stainless steel

Design
Custom design

Location:
Riga, Latvia

The Challenge:

Designing an anchor system for a steep trimaran superyacht hull

Latitude Yachts met Manson at the 2013 Monaco Yacht Show looking for an anchor solution that would work with the steep topsides of their trimaran superyacht design.

The extremely steep hull meant that with a standard anchor system retrieving the anchor back into the system would prove challenging. The team required a custom anchor to be designed in order for the anchor to work with the yacht design.

The Solution:

Digital scanning of the hull to ensure build had tolerance of no more than 2ml.

Because this was such a challenging project, Manson first built a prototype to test the proposed system.

Having built a sample anchor, this was then thoroughly tested in Manson's purpose built testing facility.

Once satisfied that this technology would work for the project, the Manson team visited the shipyard in Latvia to scan the hull and make sure there was no pre-release, before building the system to 3mm tolerance.

On returning to New Zealand, design work was then completed before build work commenced on the final anchor system.



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Prototype hull



3D scanning of the hull

Building a prototype and scanning the hull ensures a perfect fit.



Finished scratch plate



Finished pocket



Polished Stainless Steel Anchor