New & Improved Formula

The Permanent Seasickness Cure!

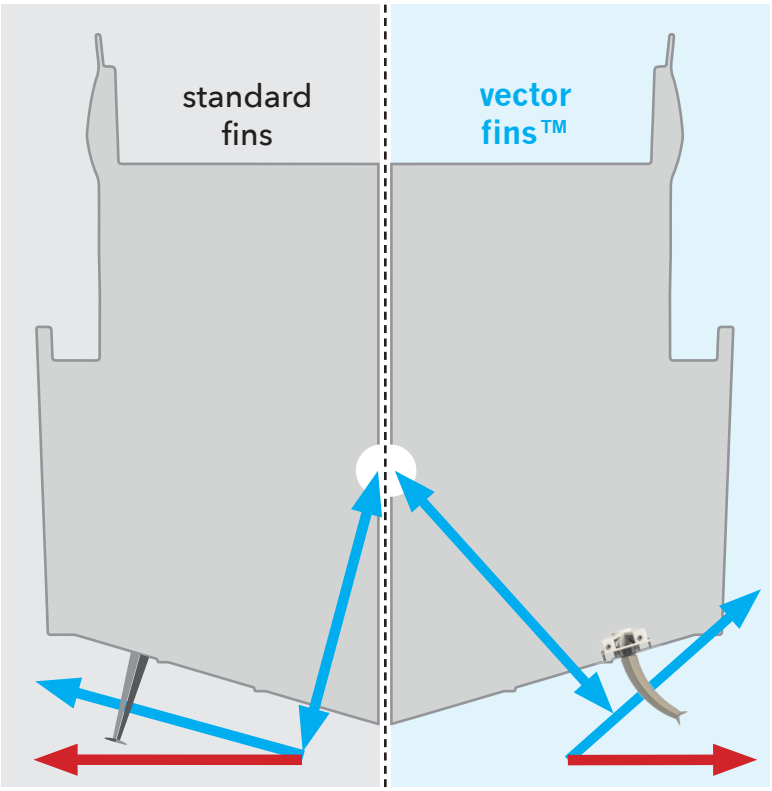
Introduzing a revolutionary generation of fin stabilizers

Fin stabilizers is the only system that handle well both cruising and at anchor use, with the at anchor stabilization force deciding the size of the fins.

Larger fins provide more stabilization force, but also create more drag which equals higher fuel consumption, especially at higher speeds, an important point for most boat owners.

Larger fins also means that the internal components grow in size, making it difficult to install them in an optimal position which in turn can result in the stabilizers having negative side-effects like causing yaw (steering effects) and sway (side-way movements).

Thereby, the overall situation often results in a compromise in fin size, so that most fast boats today do NOT have as much stabilization as most boat owners really want.



The new formula

50% more efficient*

55% less side effects**

How can vector fins be so much better?

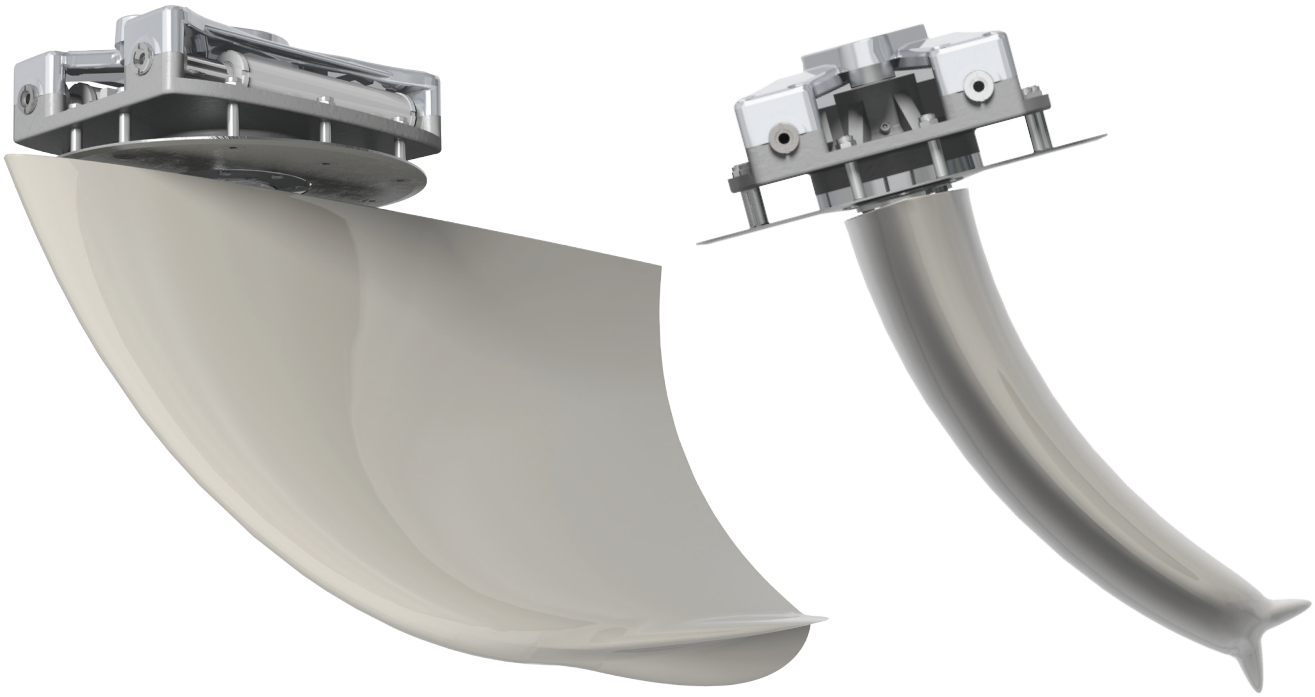
vector fins™ simply re-direct the force direction/force vectors to a direction where more of the force will benefit roll reduction and less will spent on the negative side-effects of yaw and sway that is hurts the boats handling and comfort. The vertical concave shape of the fin, makes the net force directions, both in cruising and in at anchor situations to be re-directed so that they work more “up/down” instead of just parallel to the hull angle.

But there is more, by changing the net force angle, this also increase the leverage arm around the boats rolling point, further enhancing the roll reduction force benefits. This provides a lot more roll stabilization per fin size, which means that drag, power consumption, internal space occupation as well as load on the mechanical parts is a lot less than with other fins that can give a similar roll reduction.

*) 20-30% in cruising/40-50% in at anchor with same size, same inside space requirements and same power consumption

**) 30-35% in crusing/45-55% in at anchor with the same stabilization force and same power consumtion

vector fins™ - a simple solution to a complex problem!



The vector fins™ stabilizers (Patent pending PCT/NO2013/050067) improve the roll reduction efficiency by some 50% in “at anchor” and 30% in cruising situations, while at the same time reducing undesired yaw and sway motions caused by active fins dramatically.

The huge benefits both in efficiency and reduced side-effects makes them particularly ideal for today’s modern, fast cruisers where normal fin stabilizers have typically not been able to satisfy the desired roll reduction level without causing too much side-effects. This is particularly true for light-weight cruisers below 20 meters, which also due to their shorter roll time periods are even more difficult to stabilize. vector fins™ will first be available for boats between 15 and 22 meters, as their unique advantages is really what will allow fins to be the perfect solution also for smaller, fast boats, where there is no good overall solutions today for both cruising and at anchor stabilization due to their light weight and shorter roll time.

Verified test results - Princess 56 with 0,6m^2 vector fins

	No stabilizer	Vector fins	Reduction of: Roll	Seasickness
Cruising at 11 knots				
Max roll movement	10,4°	0,3°	97%	99,8%
Average roll movement	5,7°	0,15°	97%	99,9%
At anchor				
Max roll angle	9,4°	2,6°	72%	92%
Average roll angle	4,1°	1,4°	66%	88%

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