





DO YOU DRIVE YOUR CAR WITH THE HANDBRAKE ON?



MAXIMUM PERFORMANCE MADE IN GERMANY

SIMPLY THE FINEST AUTOMATIC **FEATHERING SAILING PROPELLER IN THE WORLD!**

Basic Features and Benefits of MOST Feathering Propellers

1. When the engine is turned off, the waterflow rotates the blades automatically into the feathered position.

BENEFITS:

Drag is almost eliminated and speed increases 15% to 20%. depending on wind conditions. Propeller turbulence vanishes and a substantially enhanced rudder effect is achieved.

2. When shifting into reverse, less than one shaft rotation turns the leading edge of the blades 180 degrees.

BENEFITS:

Efficiency (thrust) in reverse is equal to forward, 30% - 40% more than all fixed propellers. You get improved stopping power; however, this also increases "Prop Walk" (paddle wheel effect) unless reverse pitch can be adjusted independently for better control when docking.

Unique Features of VARIPROP

1. Independently adjustable external pitch control. Forward and reverse pitches can be changed in just seconds- even underwater

BENEFITS:

Custom fine tuning (in micrometer-small increments) of reverse thrust vs. prop-walk. (For most owners, eliminating prop walk is more important than maximizing reverse thrust.)

VARIPROP allows you to customize that balance for optimum control, maneuverability and safety

Independent fine tuning of forward thrust means that VARIPROP delivers the best possible performance (speed, thrust, fuel economy) in forward without compromising reverse performance.. and vice versa

External pitch adjustment

The patented pitch adjustment device allows you to adapt the propeller pitch individually to your sailing requirements without having to dismantle the VARIPROP - it can be easily optimized while mounted. An easy-to-understand manual and the necessary tools are provided with every VARIPROP.



SoftStop[™] shock absorber

The integrated mechanical shock absorber reduces unpleasant operating noises. The pitch stops are substancially protected against wear.



4. Precision engineering Superb German precision engineering in a custom made prop vs. mass-produced competitors

BENEFITS:

Every VARIPROP is built to order-consistently 100% up to stringent specs for reliable, smooth and efficient operation

Quality is assured by compliance with DIN EN ISO 9001 international manufacturing standards and approved according to the standards of the "Germanischer Lloyd".

5. Comes fully assembled and tested

BENEFIT: VARIPROP mounts on your shaft just like a solid prop. No disassembly, no shaft modifications



WHAT DO OUR CUSTOMERS SAY?

After owning "Windigo" (C&C 40) for 12 years this is the first year I have been able to achieve proper RPM's (2600) instead of 2100 or 2200 with little or no vibration. I have tried just about everything, such as replacing engine mounts, new flange and coupling, cutless bearing and realining my strut. I have changed propellers from a MARTEC to a FLEXO-FOLD. I even tried a MAX-PROP. All these changes and expense did not help my vibration and the harmonics. What a surprise when I put my 3-bladed VARIPROP on.... Vibrations are gone, I have much greater punch going into strong seas and lose considerably less speed... My stopping power has been greatly increased and my docking has been made easier with the way WINDIGO's stern walked to port. Bottom line is, I am very pleased with my prop. It's the single best investment I have made to the boat..







photo: Angus Yachts

2. SoftStop[™] Shock Absorbing Multidisc Brake (patented) built into the VARIPROP hub

BENEFITS:

Dramatically reduces shock loads on gearbox and drivetrain, permits shifting at higher speeds without damage, preserves preset pitches by eliminating hard limit stop impacts (the typical "clunks" of all others)

The entire drive train benefits: longer cutless bearing life, minimized wear on gearbox, clutch plate, bearings

3. Gears are 35% - 50% larger than competing props

BENEFIT

Substantially extended service life. With proper service props can last for decades, not just a few years.

6. Balanced by Hand As a final step, each propeller is dynamically balanced by hand to perfection

BENEFIT: Smoother, quieter running with absolutely zero vibration

7. Shortest hub

VARIPROP's hub is flush with the forward edges of the blades, and barely protrudes past the aft edges

BENEFITS:

VARIPROP will fit into the smaller prop apertures of older traditional "full keel" yachts - not possible with most competing propellers

Line cutters - SPURS or solid types - can be mounted very close to the VARIPROP blades, the ideal position. This is a huge advantage for boats operating in areas with fields of lobster pots, crab pots and fish traps. With competing props, because of their much longer hubs, all such cutters must be mounted farther away from the prop blades, which drastically reduces their effectiveness.

Dick Emmerson, owner of the Windigo / Saint John, NB.





EASY INSTALLATION

MM



	· · · ·															
24	NGZ					Propeller dia.		A	В	с	D	E		F	Output Horse Power Range	Prop net weight
11005	NG Z	C.			💛 DF-80				-				to a fe			
SALE						inch	mm 205	mm 150	mm	mm 1.05	mm	mm	inch	mm	hp/kw	kg
WITH					12	305	152	_	105	-					4.8	
	VES! >					13	330	165		110		20-25	3/4" - 1"		max. 6.5 to.	5
Z	KES. >	(()			14	355	178	155	120	60	and	and	dia. 80	111ax. 0.J to.	5.5
ZBAA	2					15	380	190		130		saildrive	saildrive		5-30 / 3.6-22	6
7	-		1600			16	406	203	_	135	-					6.5
4			No Ca			17	432	216		145						7
				2	ン DF-107	Propeller	^r dia.	A	В	С	D	E		F	Output Horse Power Range	Prop net weight
			0			inch	mm	mm	mm	mm	mm	mm	inch	mm	hp/kw	kg
						15	380	190		115						8
The VARIPROP is mounted on your tapered shaft or saildrive shaft exactly like a fixed blade propeller. No disassembly of any part of the VARIPROP is necessary unlike other feathering propellers found on the market.						16	406	203		125			1" - 1 3/8"	dia 107	max. 14 to.	8.5
						17	432	216	170	135	70	20-35				9.5
			E to place a grub screw in a po			18	457	229	170	145	70	and saildrive	and	dia. 107	30-80 / 22-59	10.5
			bunted and you are ready to go.			19	483	242		155	1	Saliative	saildrive		50 00 / 22 55	11.5
		e on. Finally the zinc cap is inc	unted and you are ready to go.			20	508	254		160						12
			6	>>> DF-112	Propeller	dia.	A	В	С	D	E	·	F	Output Horse Power Range	Prop net weight	
						inch	mm	mm	mm	mm	mm	mm	inch	mm	hp/kw	kg
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	Some of the Boats using Propellers					21	533	286		175						17.5
	of the VAR	IPROP Series DF-	-80 - DF-140:	mlt		22	560	280		180			1 3/8"		max. 20 to.	18
						23	584	292	215	185	85	35-40	1 3/8" - 1 1/2"	dia. 112	60 100 / 45 00	19
	Amel	Halberg Rassy	Schionning catamarans			24	610	305		190			,		60-120 / 45-88	20
	Baltic	Hunter	Southerly			25	635	318		195	-					21
	Beneteau	Ionic	Sparkman and Stevens	VARIPROP on sail-drive				510		155				<u> </u>		21
	Bristol	Island Packet	Swan		💛 DF-128	Propeller dia.		А	В	С	D	D E		F	Output Horse Power Range	Prop net weight
	Bruckmann	Jeanneau	Sydney Yachts	c		inch	mm	mm	mm	mm	mm	mm	inch	mm	hp/kw	kg
	Buizen	Lagoon	Tartan			24	610	305		215					26	
	C&C Yachts	Luffe	Tasman			25	635	318		225			1 1/2" - 2"	dia. 128	max. 26 to.	26.5
	Catalina	Malö	Van der Stadt			26	660	330	245	235	100	40-50			max. 26 to. 100-140 / 73.5-103	27
	Cheo Lee	Maxi	Vancouver			27	685	343		240						27.5
	Comfortina	Mirage	Vindö			28	715	358		250						28
And Links and Links	Contessa	Moody	Wauquiez	D A						200						
and the second second	Contest	Morgan	X-Yachts		💛 DF-140	Propeller dia.		А	В	C D	D	Е		F	Output Horse Power Range	Prop net weight
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photo: Bruckmann Yachts		Nauticat	and many more			24	610	305		195						26
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	Dufour	OE				28	715	356		230	112	IIIdx. uid. 21/1"	2 1/4"		max. 50 to.	32
	Elan	Oyster				30	762	381		250	55 mm	flat key	00.170	180/132	39	
						32	813	406		275						40
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photo: Angus Yachts	Hanse	Salona														
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photo: Angus Yachts



photo: Swans Yachts Sale



photo: Swans Yachts Sale

VARIPROP



photo: Swans Yachts Sale

LARGER SIZES UP TO **50 INCHES ON DEMAND**



4 BLADED POWER: THEVARIPROP "BLUE WATER" VARIPROP XLS

with all the advantages of her 2 & 3 bladed sisters the 4 bladed Variprop has a lot to offer.

Especially in blue water conditions, excessive blade loading causes cavitational noises. bubbles on blades and resulting loss of power, just when you need it most in the trough.

The solution is the VARIPROP, to-date worlds most modern 4-blade feathering propeller, with 30% larger blade areas, less blade loading, much greater thrust and undiminished power.

A smaller diameter fits where others cannot.

Fit a 4 blade VARIPROP. The cost is less than you might think. The results are simply amazing. Smooth running, under all conditions tremendous power, no vibration.



VARIPROP "BLUE WATER"

the ultimate cruising yacht propeller: Sail ... without "towing a bucket" Power ... into head seas like a tugboat







photo: CATANA

photo: Swans Yachts Sale



photo: Franco Pace

Refer to complete Data on web-site (www.variprop.de)

Altair Length: 39 m, Weight: 161 to, Engine: Gardner, 275 HP

3 blade VARIPROP DF 230 Diameter: 34" Pitch: 25" / 22"

Eleonora Length: 36 m, Weight: 240 to, Engine: Baudouin, 460 HP

4 blade VARIPROP DF 310 Diameter: 46" Pitch: 38" / 36"





photo: Franco Pace

EXTRA LARGE AND EXTRA STRONG!

SIMPLY THE FINEST AUTOMATIC FEATHERING SAILING PROPELLER **IN THE WORLD!**

Unique Features of VARIPROP XLS

>> Independently adjustable external pitch control (patented). Forward and Reverse pitches can be changed in just seconds even underwater.

>> Integrated shock absorber (patented) built into the VARIPROP hub

All XLS-VARIPROP are sealed to avoid loss of grease from the housing during operation. This ensures long life of the mechanical parts and also substantially extends service intervals.

Massive gearings last for decades of utterly reliable and trouble free services.

Comes fully assembled VARIPROP mounts on your shaft just like a solid propeller. No disassembly.

More large sailing vessels using the stunning VARIPROP XLS:

SY "ALTAIR" SY "DORIANA" SY "ELEONORA" SY "LULWORTH" Scharping 60 SY "KENTRA" SY "ASTRA"

SY "ORION" SY "SHABAB OMAN" SY "SENTA" Baltic **Oyster 56**

Oyster 63 Oyster 82 Moody Northwind 68 Swan



photo: Meer & Yachten (05/2003)



Power ... into head seas like a tugboat Sail ... without "towing a bucket"

- Near zero sailing drag
- Powerful thrust in head seas
- Incredible control in reverse
- Reduces or eliminates "propwalk" in reverse
- >>> External, and separate, pitch adjustment for forward AND reverse
- Massive gearings last for decades of utterly reliable and trouble free service
- Soft Stop™ MultiDisc Brake prevents impacts when reversing blades
- 2, 3 and 4 blade models
- Shortest hub length. Fits smallest apertures
- Delivery fully assembled, balanced and tested. Ready to install on any shaft with no modifications necessary

Simply the finest sailing yacht propellers in the world.

MADE IN GERMANY



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