



I. Windlasses



Since acquiring Simpson Lawrence many years ago, Lewmar has built a wealth of design and engineering knowledge and experience in anchoring systems. With ever-smaller fitting anchor winches, Lewmar has a wide product offering for boats between 18ft – 250ft. Using hard wearing, corrosion resistant materials on deck, coupled with powerful, under-deck motor solutions, our latest windlass designs focus on ease of use and reliability.

I. Windlasses

Whether you own a small fishing boat or a 160ft cruiser, Lewmar has a windlass designed to fit your exact needs. Integral to the designs are high-quality stainless steel components, providing longevity and reliability. Both our vertical and horizontal designs are sleek and attractive to complement your boat.

Vertical Windlass

BOAT LENGTH OVERALL

Model	6 M 20 FT	9.2 M 30 FT	12.2 M 40 FT	15.2 M 50 FT	18.3 M 60 FT	21.3 M 70 FT	24.4 M 80 FT
VX1 300W	█						
VX1 500W	█						
VX1L 500W	█						
VX1L 800W	█						
VX2		█					
VX2+		█					
VX3			█				
V700	█						
CPX0-500W		█					
CPX0-700W		█					
V1/CPX1		█					
V2/CPX2			█				
V3/CPX3			█				
V4/CPX4				█			
V5				█			
V6					█		

Large Vertical Windlass

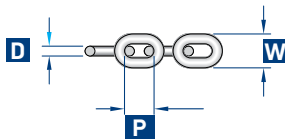
Model	19.8 M 65 FT	22.9 M 75 FT	25.9 M 85 FT	29 M 95 FT	32.1 M 105 FT	35.1 M 115 FT	38.2 M 125 FT	41.2 M 135 FT	44.3 M 145 FT	47.2 M 155 FT	50.3 M 165 FT	50.3 M 175 FT	50.3 M 185 FT	50.3 M 195 FT	50.3 M 205 FT	50.3 M 215 FT	50.3 M 225 FT	50.3 M 235 FT	50.3 M 245 FT	
V8 2500W	█																			
V8 Hi-Power		█																		
V9			█																	
V10				█																
V12					█															
V16							█													

Horizontal Windlass

Model	6 M 20 FT	9.2 M 30 FT	12.2 M 40 FT	15.2 M 50 FT	18.3 M 60 FT	21.3 M 70 FT	24.4 M 80 FT
HX1 300W		█					
HX1 800W		█					
RX2		█					
RX2+		█					
RX3			█				
Pro-Sport 550	█						
Pro-Series/Fish 700		█					
Pro-Series/Fish 1000		█					
H2			█				
H3			█				
CRW400	█						
S900 Stern Windlass	█						
S2000 Stern Windlass	█						

Many parameters have to be taken into account when selecting a windlass, such as displacement, windage, anchor weight etc. In the above chart the boat length corresponds to a vessel with average displacement. If your vessel is of heavy displacement, please consider using a larger windlass model. Lighter shading represents the upper limit of the model. If in doubt, move up a model.

Chain guide



		6 MM DIN 766	6 MM ISO 4565	1/4" ACCO ISO G43 (G4)	7MM DIN 766	1/4" ACCO BBE (3B)	8MM DIN 766	8MM ISO 4565	5/16" ACCO ISO G43 (G4)	LEWMAR 9.5MM G40	3/8" CAMPBELL S4	10MM ISO 4565	3/8" CAMPBELL S3	10MM DIN 766	3/8" ACCO ISO G43 (G4)	11MM SHORT LINK	11MM DIN 766	7/16" ACCO ISO G43 (G4)	LEWMAR 12MM G30/G40 12MM SHORT LINK	13MM DIN 766	1/2" ACCO ISO G43 (G4)	LEWMAR 14MM G30/G40 14MM SHORT LINK	14MM DIN 766	14MM STUD LINK	16MM SHORT LINK	16MM DIN 766
D	MM	6	6	7	7	7.14	8	8	8.4	9.5	10	10	10	10	10	11	11	11.8	12	13	13.2	14	14	14	16	16
	INCH	0.236	0.236	0.276	0.276	0.281	0.315	0.315	0.329	0.374	0.39	0.394	0.37	0.394	0.394	0.433	0.433	0.464	0.472	0.512	0.520	0.551	0.551	0.551	0.630	0.630
P	MM	18.5	18	21.3	22	22.1	24	24	26.2	31.5	29	30	35	28	31	33	31	35.5	36	36	40.4	42	41	56	48	45
	INCH	0.728	0.709	0.840	0.866	0.870	0.945	0.945	1.030	1.240	1.15	1.181	1.36	1.102	1.220	1.299	1.22	1.4	1.417	1.417	1.591	1.654	1.614	2.205	1.890	1.772
W	MM	20.4	21.6	24.4	23.8	25.2	27.2	28.8	29.7	31.6	35	36	34	36	35	39	40	40.1	40.5	47	45.7	49	50	50.4	56	58
	INCH	0.803	0.85	0.962	0.937	0.992	1.07	1.134	1.168	1.244	1.3	1.417	1.31	1.417	1.378	1.535	1.575	1.578	1.594	1.850	1.799	1.929	1.969	1.984	2.205	2.283

How to choose the right windlass for your boat

There are three main considerations when selecting the correct windlass for your boat:

1 What size windlass would best suit my boat?

Use our windlass selection chart, found on page 6/7, to determine the general size of the windlass to be fitted to your boat by using length and displacement.

2 How long is the anchor rode I wish to use, and will the windlass put the entire rode into my locker?

Examine the depth of the anchor locker to determine the fall that is available.

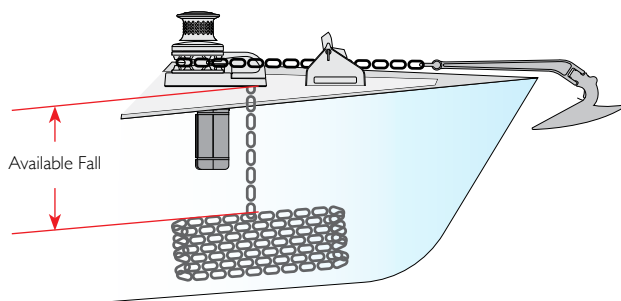
The fall is the vertical distance between the top of the anchor locker and the top of the anchor rode when the entire rode is completely stored inside.

The windlass is a retrieval device. The windlass retrieves the anchor and rode.

The windlass does not stow the rode inside the anchor locker; gravity stows the rode.

You must know how much rode will fit into your locker by gravity. There has to be a free and clear area under the hawse pipe for the incoming rode. Otherwise, you will have to comb the rode back, keeping a clear and free space under the hawse pipe while retrieving the anchor.

Vertical Windlass



Vertical Windlass Key Features

- More of the unit is hidden below deck
- Suitable for large anchor lockers
- Anchor rode makes a 180° wrap around the gypsy providing more security
- Minimum fall of 406mm (18") is recommended in order to have enough gravity to pull the rode down into the locker

Note

The windlasses do not stow the anchor rode in the anchor locker. Gravity stows the rode in the anchor locker.

From time to time the pile of rode may have to be evacuated from under the windlasses hawse pipe entrance to make room for the remaining rode.

Windlass and anchor operation basic safety

Always

- Always tie off anchor rode to a strong point while at anchor
- Always secure anchor rode/anchor when underway
- Always look before deploying your anchor
- Always motor up to anchor while retrieving
- Always shut off circuit breaker when working on windlass
- Always shut off circuit breaker when windlass is not in use
- Always read the manual and follow safety instructions and warnings.

A windlass is not a high-load bearing device. When at anchor your rode should be secured to a chain stopper, a cleat or other mooring point on the bow.

3 How much pulling power should my windlass have?

Having selected a vertical or horizontal windlass and determined the size required using the chart on page 6, you can cross-check by using the following formula:

$$\text{Total weight of ground tackle (anchor and rode)} \times 4^{**} = \text{Pulling power required by the windlass}$$

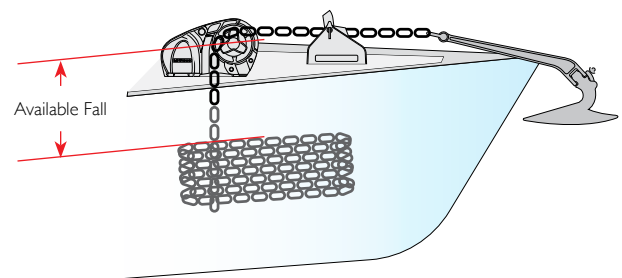
** Use x4 for all Horizontal windlass and Vertical windlass up to V5

** Use x2 for V6 Vertical Windlass and above

Working Load, designed to allow prolonged anchor laying and retrieving

Please note this is an indication only. If in doubt please contact your Lewmar representative.

Horizontal Windlass



Horizontal Windlass Key Features

- Most of the windlass unit is on the deck
- Easy installation
- Good for boats with small anchor lockers
- Anchor rode enters the gypsy, makes a 90° turn and feeds into the anchor locker
- Minimum fall of 304mm (12") is recommended in order to have enough gravity to pull the rode down into the locker

Never

- Never allow your windlass to hold the boat while at anchor
- Never use your windlass to pull or tow boat
- Never use your windlass to lift a person
- Never stick fingers in or around gypsy while operating
- Never allow loose clothing and hair to come close to windlass when operating