



LEWMAR®

2-5	<i>Delta™, DTX, CQR™ & Claw Anchors & Anchoring Accessories</i>
6-16	<i>Vertical, Horizontal & Captive Reel Windlasses & Windlass Accessories</i>
17-22	<i>TT Electric, Hydraulic & Swing Thrusters, & Thruster Accessories</i>
23-31	<i>Low & Medium Profile, Ocean & Flush Hatches, Spares & Accessories</i>
32-35	<i>Atlantic Standard & Stainless Portlights, Spares & Accessories</i>
36-48	<i>EVO®, Ocean & Standard Winches Spares & Accessories</i>
49-71	<i>Hardware - Control, Synchro, Foot, HTX & Ocean Snatch Blocks, Traveller Systems, Cars & End Stops, Organisers, Rope Clutches, Cleats & Hardware Accessories</i>
72-80	<i>Steering - Pedestals, Wheels Instrument Pods, Tables, Autopilot & Integra Drives, Rudder Bearings & Steering Accessories</i>

BRITISH MARINE
LEADING THE INDUSTRY

Six Depots Nationwide

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Delta® & DTX Anchors



Aquafax

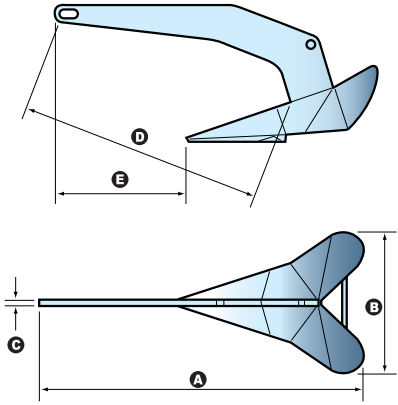
ANCHORS

DELTA® ANCHOR

The Delta® anchor is constructed of high-grade manganese steel or Duplex stainless steel for maximum tensile strength. It's unique shank profile and ballasted tip make it self-launching, and its low centre of gravity and self-righting geometry ensure that it will set immediately.

Consistent and reliable in performance, the Delta® anchor is guaranteed for life against breakage*, has Lloyd's Approval** as a High Holding Power anchor and is specified as the primary anchor used by numerous National Lifeboat organizations.

*Damage by deformation or bending is not covered by this guarantee.
**Lloyd's Test Certification is available for individual Delta™ anchors by arrangement.



DELTA® ANCHOR SELECTION GUIDE

Anchor Weight kg lb	Chain Size mm in	Boat Length Overall							
		6m 20ft	9.2m 30ft	12.2m 40ft	15.2m 50ft	18.3m 60ft	21.3m 70ft	24.4m 80ft	27.4m 90ft
4 9	6-7 1/4								
6 14	6-7 1/4								
10 22	8 5/16								
16 35	8 5/16								
20 44	10 3/8								
25 55	10 3/8								
32 70	10 3/8								
40 88	10 3/8								
50 110	12 1/2								
63 140	12 1/2								

Lighter shading represents the upper limit of model. If in doubt, move up a model. This information is for guidance only, please consult the relevant Classification Society for specific certification requirements.

DELTA® ANCHOR SPECIFICATIONS

Galvanized Part No	S/Steel Part No	Anchor Weight kg lb	Recommended Chain Size mm in	A mm in	B mm in	C mm in	D mm in	E mm in
L0057404	-	4 9	6-7 1/4	514 20 1/4	228 9	8 5/16	387 15 1/4	210 8 1/4
L0057406	L0057306	6 14	6-7 1/4	595 23 3/8	263 10 3/8	10 3/8	450 17 3/8	241 9 1/2
L0057410	L0057310	10 22	8 5/16	695 27 3/8	308 12 1/8	12 1/2	526 20 5/8	283 11 1/8
L0057416	L0057316	16 35	8 5/16	812 32	360 14 1/8	12 1/2	614 24 1/8	334 13
L0057420	L0057320	20 44	10 3/8	877 34 1/2	389 15 1/4	16 5/8	663 26 1/8	361 14 1/4
L0057425	L0057325	25 55	10 3/8	945 37 1/4	417 16 3/8	16 5/8	713 28	384 15 1/8
L0057432	L0057332	32 70	10 3/8	1026 40 3/8	455 17 7/8	20 3/4	774 30 1/2	417 16 3/8
L0057440	L0057340	40 88	10 3/8	1099 43 1/4	489 19 1/4	20 3/4	835 32 7/8	446 17 1/2
L0057450	L0057350	50 110	12 1/2	1175 46 1/4	520 20 1/2	20 3/4	890 35	479 18 7/8
L0057463	L0057363	63 140	12 1/2	1278 50 1/4	568 22 3/8	22 7/8	973 38 1/4	518 20 3/8

Part No.s in red = TO ORDER



DTX ANCHOR

Lewmar's new DTX anchor fills the gap between the galvanised and stainless Delta® anchors, allowing boat owners to choose a stainless anchor for a reduced outlay.

- Delta® Style Geometry - unique shank profile and ballasted tip for fast, accurate setting
- 316 stainless steel construction
- 3-Year warranty against breakage
- Ordinary Holding Power
- Useful eye for anchor trip line
- Support bar to help prevent fluke deformation

DTX ANCHOR SELECTION GUIDE

Anchor Weight kg lb	Chain Size mm in	Boat Length Overall							
		6m 20ft	9.2m 30ft	12.2m 40ft	15.2m 50ft	18.3m 60ft	21.3m 70ft	24.4m 80ft	27.4m 90ft
6 14	6-7 1/4								
10 22	8 5/16								
16 35	8 5/16								
20 44	10 3/8								
25 55	10 3/8								
32 70	10 3/8								
40 88	10 3/8								
50 110	12 1/2								
63 140	12 1/2								

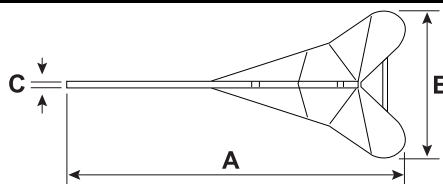
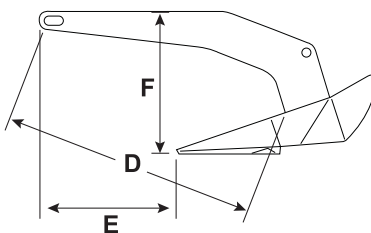
Lighter shading represents the upper limit of model. If in doubt, move up a model. This information is for guidance only, please consult the relevant Classification Society for specific certification requirements.





ANCHORS

DTX ANCHOR continued



Dimensions subject to +/- 2% tolerance.

Part No.	Anchor Weight		Rec. Chain Size		A		B		C		D		E		F	
	kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
L0057206	6	14	6-7	¼	593	23⅞	265	10⅞	10	⅜	450	17⅞	243	9½	254	10
L0057210	10	22	8	⅝	695	27⅞	310	12⅝	13	½	526	20⅝	282	11⅞	292	11½
L0057216	16	35	8	⅝	812	32	362	14¼	13	½	614	24⅞	328	13	339	13⅜
L0057220	20	44	10	⅝	877	34½	392	15⅞	16	⅝	663	26⅞	357	14	368	14½
L0057225	25	55	10	⅝	945	37¼	415	16⅞	16	⅝	713	28	387	15¼	398	15⅞
L0057232	32	70	10	⅝	1023	40¼	453.5	17⅞	20	¾	775	30½	425	16¾	432	17
L0057240	40	88	10	⅝	1103	43⅞	489	19¼	20	¾	883	32¾	437	17¼	461	18⅞
L0057250	50	110	12	½	1175	46¼	523	20⅞	20	¾	890	35	479	18⅞	486	19⅞
L0057263	63	140	12	½	1270	50	567	22⅞	25	1	963	38	508	20	537	21⅞

CQR® ANCHOR

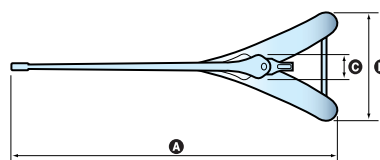
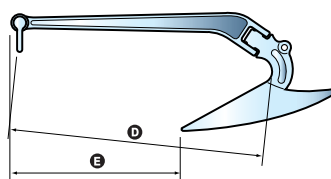
The CQR® anchor has gained legendary status for its superior performance. The original drop-forged construction of the CQR® anchor increases its strength and reliability under load - a genuine CQR® anchor will not break. It's hinged shank delivers consistent setting and holding even in the very worst conditions. The CQR® anchor is guaranteed for life against breakage* and has Lloyd's Approval** as a High Holding Power anchor.

*Damage by deformation or bending is not covered by this guarantee.

**Lloyd's Test Certification is available for individual anchors by arrangement.

CQR® ANCHOR SELECTION GUIDE

Anchor Weight	Chain Size	Boat Length Overall				
		6m 20ft	12.2m 40ft	18.3m 60ft	24.4m 80ft	30.5m 100ft
7 15	6 ¼					
9 20	8 ⅝					
11 25	8 ⅝					
16 35	8 ⅝					
20 44	10 ⅝					
27 60	10 ⅝					
34 75	11 ⅞					
48 105	11 ⅞					
66 140	12.5 ½					
81 180	12.5 ½					



Lighter shading represents the upper limit of model. If in doubt, move up a model. This information is for guidance only, please consult the relevant Classification Society for specific certification requirements, especially for larger vessels; follow info based on "equipment no." of the vessel.

Galvanized Part No	S/Steel Part No	Anchor Weight		Recommended Chain Size		A		B		C		D		E	
		kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
L0056503	-	7	15	6	¼	660	26	235	9¼	55	2⅞	552	21¾	330	13
L0056504	-	9	20	8	⅝	775	30½	246	9⅞	60	2⅞	647	25½	370	14½
L0056505	-	11	25	8	⅝	825	32½	282	11⅞	65	2½	677	26⅞	390	15⅜
L0056506	-	16	35	8	⅝	981	38⅞	328	13	76	3	776	30½	513	20⅞
L0056507	-	20	44	10	⅝	1037	40⅞	355	14	83	3¼	828	32½	528	20¾
L0056508	L0056205	27	60	10	⅝	1117	44	390	15⅞	89	3½	913	36	555	21⅞
L0056509	L0056206	34	75	11	⅞	1190	46⅞	412	16¼	94	3¾	978	38½	570	22½
L0056510	L0056207	48	105	11	⅞	1196	47	485	19	120	4¾	843	33⅞	530	20⅞
L0056511	L0056208	66	140	12.5	½	1337	52⅞	537	21⅞	128	5	933	36¾	583	23
L0056513	L0056209	81	180	12.5	½	1450	57	582	23	138	5½	1010	39¾	634	25
L0056515	L0056210	108	240	12.5	½	1560	61½	641	25¼	146	5¾	1105	43½	694	27⅞
L0056530	L0056211	137	300	14	⅞	1682	66¼	693	27¼	154	6	1194	47	746	29⅞

Part No.s in red = TO ORDER

DELIVERY On anchors 30kg and above please contact your nearest Aquafax depot for carriage methods.



Claw Anchors

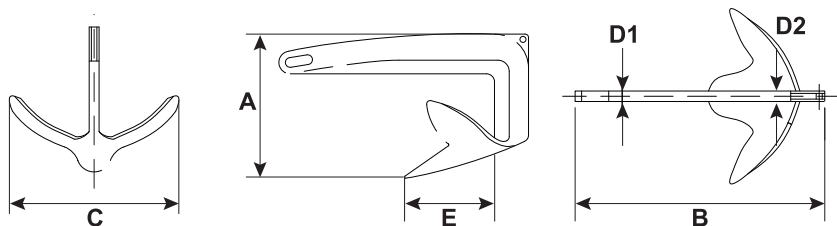


Aquafax

ANCHORS

CLAW ANCHOR

Design based on anchors used to secure oil rigs in the North Sea, the Claw anchor is constructed of high-grade steel cast in a single piece. It sets effortlessly, holds in a variety of seabeds and stows easily on the bow roller of most boats. Also ideal for twin anchor installations.



Available To Order

CLAW ANCHOR SELECTION GUIDE

Anchor Weight kg lb	Chain Size mm in	Boat Length Overall							
		6m 20ft	9.2m 30ft	12.2m 40ft	15.2m 50ft	18.3m 60ft	21.3m 70ft	24.4m 80ft	27.4m 90ft
1 2.2	5 3/16								
2 4.4	5 3/16								
5 11	5 3/16								
7.5 16.5	6 1/4								
10 22	8 5/16								
15 33	8 5/16								
20 44	10 3/8								
30 66	10 3/8								
50 110	12 1/2								
80 176	12 1/2								

Lighter shading represents the upper limit of model. If in doubt, move up a model. This information is for guidance only, please consult the relevant Classification Society for specific certification requirements.

CLAW ANCHOR SPECIFICATIONS - GALVANISED

Part No.	Anchor Weight		Rec. Chain Size		A		B		C		D1		E	
	kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
L0057901	1	2.2	5	3/16	133 ±8	5 1/4	295 ±4	11 5/8	182 ±8	7 3/16	7.5 ±2	5/16	95 ±6	3 3/4
L0057902	2	4.4	5	3/16	182 ±8	7 1/16	361 ±4	14 3/16	240 ±8	9 7/16	9 ±2	3/8	123 ±6	4 13/16
L0057905	5	11	5	3/16	227 ±10	8 15/16	468 ±5	18 7/16	295 ±8	11 5/8	12 ±3	1/2	150 ±6	5 7/8
L0057907	7.5	16.5	6	1/4	263 ±10	10 3/8	499 ±5	19 5/8	324 ±10	12 3/4	15 ±3	9/16	151 ±8	5 11/16
L0057910	10	22	8	5/16	282 ±10	11 1/8	540 ±6	21 1/4	360 ±10	14 3/16	15 ±4	9/16	182 ±8	7 1/16
L0057915	15	33	8	5/16	342 ±12	13 3/16	630 ±6	24 3/16	435 ±10	17 7/8	16.5 ±4	1 1/16	206 ±12	8 1/8
L0057920	20	44	10	3/8	343 ±12	13 1/2	703 ±8	27 11/16	452 ±12	17 13/16	25 ±5	1	238 ±12	9 3/8
L0057930	30	66	10	3/8	397 ±12	15 5/8	812 ±8	31 15/16	515 ±12	20 1/4	24 ±5	5/16	283 ±12	11 1/8
L0057950	50	110	12	1/2	465 ±12	18 5/16	943 ±10	37 7/8	625 ±12	24 5/8	25.5 ±5	1	313 ±12	12 1/16
L0057980	80	176	12	1/2	528 ±12	20 3/16	1074 ±10	42 7/16	699 ±12	27 1/2	26 ±5	1	365 ±12	14 3/8

ACCESSORIES - CALIBRATED CHAIN

CALIBRATED CHAIN FOR LEWMAR WINDLASSES

Calibrated chain is manufactured to give an even pitch for use with anchor windlasses. Welded to a high strength, the chain is available in corrosion resistant galvanised steel or stainless steel.



Part No.	Chain Size	Chain Length	Chain Weight per m	Material	Fits Lewmar Gypsy
LA00002	6mm	30m	0.8kg	Galv Steel	006, 502, 602
LA00021	7mm	30m	1.0kg	Galv Steel	000, 603
LA00022	7mm	60m	1.0kg	Galv Steel	000, 603
LA00041	8mm	30m	1.5kg	Galv Steel	001, 504, 505, 201
LA00042	8mm	60m	1.5kg	Galv Steel	001, 504, 505, 201
LA00060	10mm	30m	2.2kg	Galv Steel	002, 506, 202
LA00062	10mm	60m	2.2kg	Galv Steel	002, 506, 202
LA00071	10mm	30m	2.2kg	Galv Steel	003, 203
LA00082	12mm	60m	3.2kg	Galv Steel	204



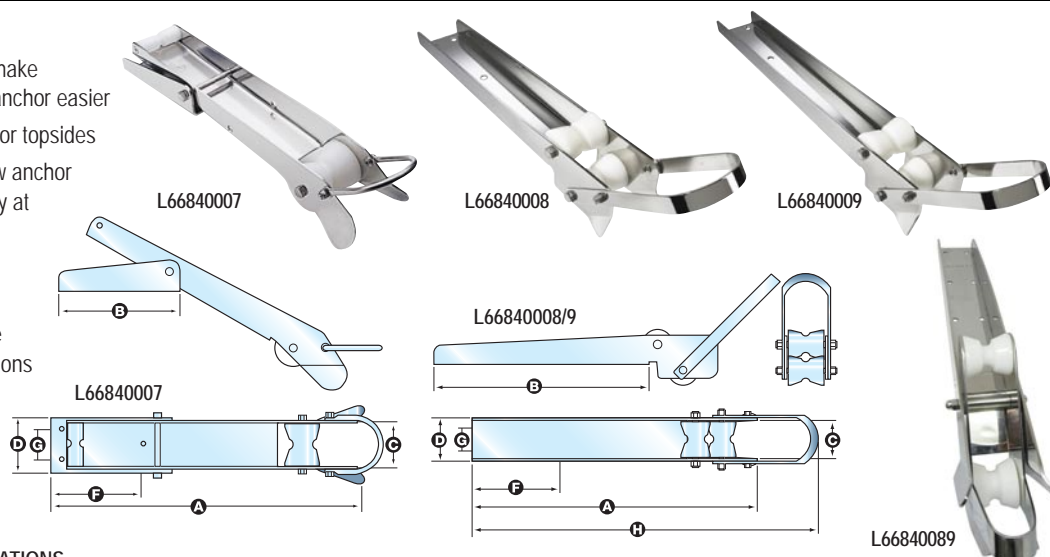
STAINLESS STEEL CALIBRATED CHAIN AVAILABLE TO SPECIAL ORDER - PLEASE CONTACT SALES FOR DETAILS



ANCHORING ACCESSORIES

BOW ROLLERS

- Friction-free surface to make dropping and weighing anchor easier
- Won't damage the deck or topsides
- Allows you to safely stow anchor while cruising and deploy at short notice
- Constructed of 304 stainless steel
- Range of rollers to fit the most common combinations of anchor, mounting style and boat



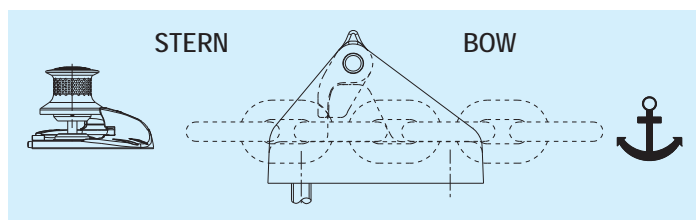
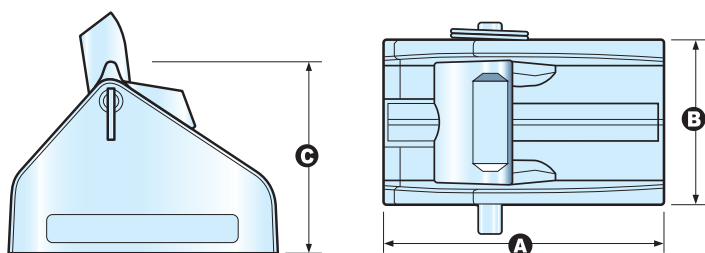
BOW ROLLER SPECIFICATIONS

Part No.	Weight Kg lb	Anchor Type	A mm in	B mm in	C mm in	D mm in	F mm in	G mm in	H mm in
L66840007	3.6 8	Any Fluke style to 35lb/16kg	524 20	103 8	76 3	99 3 ⁷ / ₈	153 6	51 2	- -
L66840008	4 9	14, 22 & 35lb (7, 10 & 16kg) Delta® & DTX anchors	495 19 ¹ / ₂	376 14 ¹³ / ₁₆	67 2 ⁵ / ₈	80 3 ¹ / ₈	153 6	38 1 ¹ / ₂	602 23 ¹¹ / ₁₆
L66840009	4.5 10	14, 22 & 35lb (7, 10 & 16kg) Delta® & DTX anchors	597 23 ¹ / ₂	478 18 ¹³ / ₁₆	67 2 ⁵ / ₈	80 3 ¹ / ₈	153 6	38 1 ¹ / ₂	704 27 ¹¹ / ₁₆
L66840089	8.2 18	35, 45 & 55lb (16, 20 & 25kg) Delta® & DTX anchors	- -	510 20 ¹ / ₈	87 3 ¹ / ₈	90 3 ³ / ₈	290 11 ¹ / ₈	47 1 ⁷ / ₈	730 28 ³ / ₄

CHAIN STOPPERS

Windlasses are not designed to hold high loads while a boat is at anchor. When the windlass is not in use and the boat is at anchor, the chain should be secured using a chain stopper or the rope rode should be attached to a load-bearing point such as a cleat.

Lewmar has created a beautiful new range of cast stainless chain stoppers made from 316 stainless steel, perfect for sleep-filled nights and lazy lunches.



CHAIN STOPPER SPECIFICATIONS

Part No.	Chain Size mm in	A mm in	B mm in	C mm in
L66840077	8 5/16	110 4 ³ / ₈	65 2 ¹ / ₂	79 3 ¹ / ₈
L66840079	10 3/8	110 4 ³ / ₈	65 2 ¹ / ₂	79 3 ¹ / ₈
L66840080	12-13 1/2	148 5 ⁷ / ₈	88 3 ¹ / ₂	101 4
L66840081	13-14 7/16	160 6 ³ / ₈	100 3 ¹⁵ / ₁₆	106 4 ³ / ₈

Part No.s in red = TO ORDER



ANCHOR SAFETY STRAPS

Safety straps will prevent the Anchor from deploying if the Anchor is unintentionally released or powers out accidentally. It is simply clipped on the chain, shackle or Anchor, they do not secure (hold tight) the Anchor in the bow roller. Lewmar recommends securing the anchor to the boat when not in use. The windlass is not designed to hold the anchor to the boat when not in use.



Minimum 12"/305mm Long PVC Coated Stainless Steel

Part No.	Description	Safe Working Load
L66840028	Safety Strap 4mm Wire	140kg 309lb

Windlass Technical Information



Aquafax

WINDLASSES

EASY ANCHORING STARTS WITH A LEWMAR WINDLASS

Whether you own a small fishing boat, a 100-foot cruiser or a mid-size sailboat, Lewmar has a windlass designed to fit your exact needs. Each one is crafted with durability, convenience and affordability in mind. Both the vertical and horizontal designs are sleek and attractive to complement your boat.

WINDLASS SELECTION GUIDES

Model	Size 6m 20ft	Boat Length Overall					
		9.2m 30ft	12.2m 40ft	15.2m 50ft	18.3m 60ft	21.3m 70ft	24.4m 80ft
CRW400							
Pro-Sport 550							
Pro-Series/Fish 700							
Pro-Series/Fish 1000							
H2							
H3							
V700							
CPX0 - 500W							
CPX0 - 700W							
V1 / CPX1							
V2 / CPX2							
V3 / CPX3							
V4 / CPX4							
V5							
V6							

Larger vertical windlasses available on request

CHAIN GUIDE

		Chain Guide											
		10mm DIN 766	3/8" ISO G4	Lewmar 9.5mm G40	11mm Short Link	3/8" ISO G4	Lewmar 12mm G30/G40	12mm Short Link	13mm DIN 766	1/2" ISO ACCO G4	Lewmar 14mm G30/G40	14mm Short Link	14mm DIN 766
D	mm	10	10	9.5	11	11.8	12	13	13.2	14	14	16	16
	inch	0.394	0.394	0.374	0.433	0.464	0.472	0.512	0.519	0.551	0.511	0.630	0.630
P	mm	28	31	31.5	33	35.5	36	36	40.4	42	41	48	45
	inch	1.102	1.220	1.240	1.299	1.400	1.417	1.417	1.590	1.654	1.614	1.890	1.772
W	mm	36	35	31.6	39	40.1	40.5	47	45.7	49	50	56	58
	inch	0.394	0.394	0.394	0.433	0.464	0.472	0.512	0.519	0.551	0.511	0.630	0.630

WINDLASS & ANCHOR OPERATION SAFETY TIPS

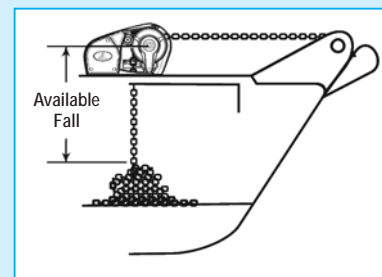
ALWAYS

- 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

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

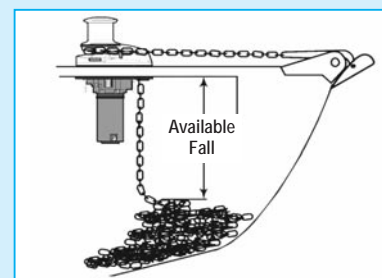
HORIZONTAL WINDLASS



The key features of Horizontal Windlasses are:

- 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

VERTICAL WINDLASS



The key features of Vertical Windlasses are:

- 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

PULLING POWER FORMULA

Total weight of ground tackle (anchor and rode) = Pulling power required by the windlass

x4*

* Working Load:
Designed to allow prolonged anchor laying and retrieving. Use x4 for all horizontal windlass and vertical windlass up to V5. Use x2 for V6 and above.



WINDLASSES



CAPTIVE REEL WINDLASS CRW400

Lewmar's new CRW400 windlass represents a step-change in engineering and design for small boat windlasses. Built around a stainless steel chassis with composite bearing technology and a robust UV-stabilised ABS shell, the CRW400 is salt-water resistant and suitable for boats up to 30ft.

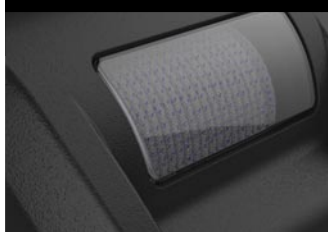
NEW

- Rode stowage without the need for a locker
- Self locking – no need for cleat or chain stopper
- Fully remote operation - can be deployed and retrieved from the helm
- High quality materials and construction
- Level-wind technology prevent spooled line bunching
- Pre-fitted with 35m (115ft) of 6mm (¼") anchor rode
- All stainless steel 316 chassis / ABS UV stabilised case

Lewmar's unique "level wind" feature ensures that the rode is always stowed neatly on the drum, offering tangle free anchoring and maximum stowage capacity every time. In addition, the windlass features load detection, allowing effective "drift" fishing to be performed. An auto-stop is also included, ensuring a safe number of wraps remain on the drum when anchoring in deep water.

An integrated switch is fitted to the rear of the housing, or optional remote controls can be fitted. A clear window means that correct functioning of the windlass can be observed, with no risk of trapping fingers or clothing in the winding drum.

Full UV-stabilised ABS housing incorporates clear viewing window, IP67-rated switchgear and integrated protected electronics housing.



Manufactured in robust acetal, a compact worm and wheel gear system powers the rode feeder arm, thereby neatly laying the rode on the drum.



The composite rode feeder arm includes a sprung load-detecting device. This prevents the unit from paying-out when the line is slack.



Reliable gear driven mechanism perfectly synchronises slider arm movement.



Part No.	Motor Power	Max Pull	Max Line Speed m/min ft/min	Normal Current Draw	Max Anchor Weight	Circuit Breaker	Length mm in	Width mm in	Height mm in
L66910441	400W	275kg (605lb)	25 82	15A	16kg (40lb)	30A	365 14 3/8	303 11 15/16	188 7 3/8

HORIZONTAL WINDLASSES

The Pro-Series range of Horizontal Windlasses is perfect for all boats up to 8.5m (28ft), particularly where space is a major issue.

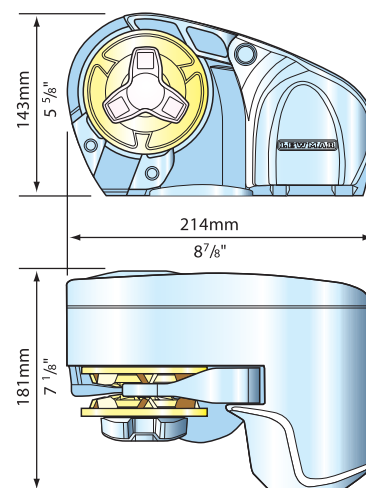
The Windlass is mounted completely on the deck allowing maximum space for line storage. They are also perfect for installations using mainly rope rode as the spring loaded arms ensure the best possible control.

PRO-SPORT HORIZONTAL WINDLASS

Lewmar's new Pro-Sport rope/chain windlass is designed as an economical package for rope and chain applications, without compromise to quality or performance. Pro-Sport is designed around a highly efficient spur gearbox, using smaller, more powerful permanent magnet motors. The unit also has manual freefall, is DIY-ready and easy to install. The rugged aluminium centre case and durable composite side covers make Pro-Sport the perfect choice. Complete with push-button control, anchoring has never been easier.



- Powerful motor providing superior line speed
- Low power consumption / current draw
- Dual direction powered operation
- Manual freefall
- Maximum pulling power: 250kg (550 lbs)
- Convenient above-deck installation
- 3-year warranty
- For boats up to 9m (28ft)



PRO-SPORT 550 SPECIFICATIONS

Part No.	Chain Description	Rope Description mm in	Motor Supply Voltage	Motor Power Watts	Max Pull kg lb	Maximum Line Speed m/min ft/min	Working Load kg lb	Normal Current Draw	Weight kg lb	Circuit Breaker
L6656811967-303	6mm DIN766, ¼" ISO G4, ¼" BBB, 7mm DIN 766	12 ½ 3-strand & 8-strand	12V	150W	250 550	30 98	62.5 137.5	20A	6.5 14	25A

**Kits include: Windlass, base gasket seal, fast mounting studs, installation wrench, contactor (L68000939), guarded rocker switch (L68000593) and circuit breaker.*

Pro-Series & Pro-Fish Horizontal Windlasses



Aquafax

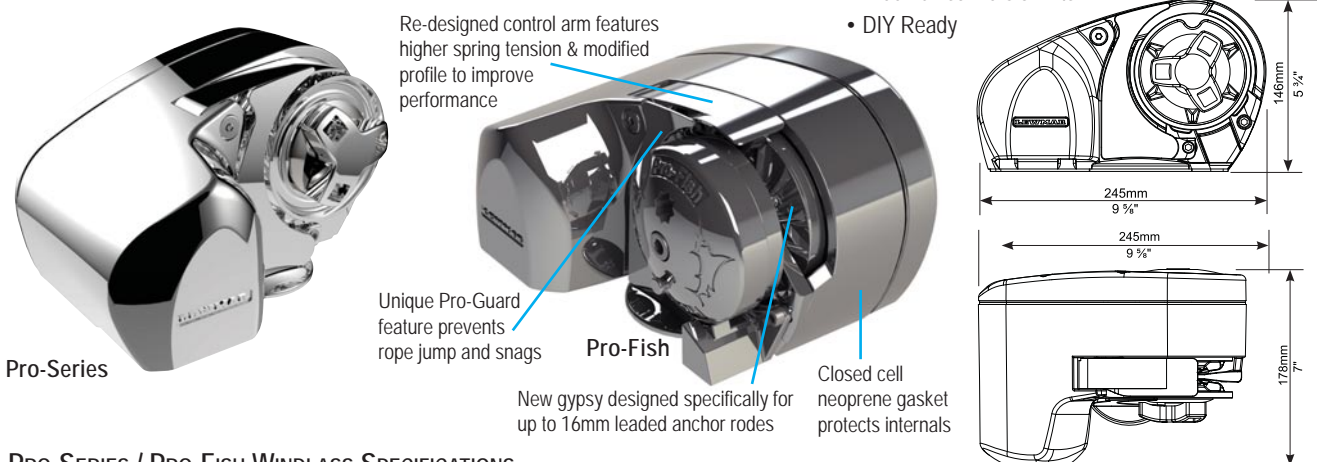
WINDLASSES

PRO-SERIES + PRO-FISH HORIZONTAL WINDLASSES

Praised by professionals worldwide, the horizontal Pro-Series is suitable for boats from 6m-11.5m (20-38ft). It's DIY-ready, easy to install and housed in 100% 316 stainless steel, making it well protected and durable. Supplied with push-button control and a built-in manual emergency recovery system, anchoring has never been easier. **The redesigned control arm with new rope guard and gypsy work flawlessly with lead line and is also available as an upgrade kit for existing Pro-Series windlasses.**

Also available is the Pro-Fish model, the ultimate windlass for fishermen. The Pro-Fish is also DIY-ready and made of durable 100% 316 stainless steel, but has an automatic freefall that allows you to pull right up over a wreck or ledge, and drop anchor with speed and precision. You can retrieve your anchor just as easily, with the push of a button. **Like the Pro-Series, it has a re-designed control arm, rope guard and gypsy.**

- All stainless steel design
- Automatic freefall mechanism (Pro-Fish only)
- Powerful motor providing fast line speed
- NEW guard optimises performance with rope
- NEW gypsy design for lead line applications
- Manual emergency recovery equipped – all you need is a common ½" socket wrench
- Maximum pulling power: 320kg (700lb) for the 700 and 454kg (1,000lb) for the 1000
- Convenient above-deck installation
- 5-year warranty
- For boats up to 12m (38ft)
- Free Fall conversion kits
- DIY Ready



PRO-SERIES / PRO-FISH WINDLASS SPECIFICATIONS

Model	Max. Chain mm in	Motor Supply Voltage	Motor Power	Max. Pull kg lb	Working Load kg lb	Max. Line Speed m/min ft/min	Normal Current Draw	Circuit Breaker	Weight kg lb
Pro-Series 700	7 ¼	12V	500W	320 700	79 175	32 105	35A	50A	8.5 19
Pro-Series 1000	8 ⅝	12V	700W	454 1000	114 250	32 105	50A	70A	9.5 21
Pro-Fish 700	7 ¼	12V	500W	320 700	79 175	32 105	35A	50A	8.5 19
Pro-Fish 1000	8 ⅝	12V	700W	454 1000	114 250	32 105	50A	70A	9.5 21

PRO-SERIES WINDLASS KIT

Part No.	Description	Gypsy Chain Specification	Gypsy Rope Specification
L6656011967-310	Pro-Series 700 Kit	6mm DIN 766, 7mm DIN 766, ¼" ISO G4, ¼" BBB	12mm (½") 3-strand & 8-plait
L6657011967-311	Pro-Series 1000, 6-7mm (¼") Kit	6mm DIN 766, 7mm DIN 766, ¼" ISO G4, ¼" BBB	12mm (½") 3-strand & 8-plait
L6657011198-311	Pro-Series 1000, 8mm (⅝") Kit	8mm DIN 766, ⅝" BBB, 8mm ISO 4565	14-16mm (⅝" - ⅞") 3-strand & 8-plait (⅝" only)

Kits include: Windlass, base gasket seal, fast-mounting studs, installation wrench, circuit breaker, dual-direction solenoid and rocker switch.

PRO-FISH WINDLASS KIT

Part No.	Description	Gypsy Chain Specification	Gypsy Rope Specification
L6656211967-310	Pro-Fish 700 Kit	6mm DIN 766, 7mm DIN 766, ¼" ISO G4, ¼" BBB	12mm (½") 3-strand and 8-plait
L6656411198-311	Pro-Fish 1000 Kit	8mm DIN 766, ⅝" BBB, 8mm ISO 4565	14-16mm (⅝" - ⅞") 3-strand and 8-plait (⅝" only)

Kits include: Windlass, base gasket seal, fast-mounting studs, installation wrench, circuit breaker, dual-direction solenoid and rocker switch.

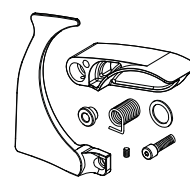
ACCESSORIES

Part No.	Description
L66000099	Clutch Lever
L66000616	Conversion Kit (converts Pro-Series to Pro-Fish)
L66000766	Pro-Series/Fish Rope Guard & Control Arm Upgrade Kit

Part No.s in red = TO ORDER ONLY.



L66000616



L66000766

Compatible with all versions of Pro-Series and Pro-Fish units. However, windlasses fitted with a Ø118mm RC860 gypsy will need to replace the gypsy.



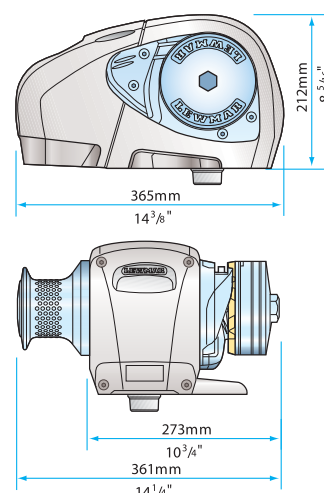
WINDLASSES

H-SERIES HORIZONTAL WINDLASSES

The stylish, horizontal H-Series Windlasses use the reliable worm gearbox technology. The integral contactor simplifies wiring and is protected by a durable maincase. The unit's waterproof seal requires minimum maintenance, and since you can install it in one piece, getting started is quick and easy.

- Quick, easy, one-piece installation
- Robust horizontal worm motor-gearbox for reliable performance
- Integral contactor protected by maincase
- Sealed waterproof unit requires minimum maintenance
- Aluminium and composite maincase for reduced weight
- Stainless Steel warping drum and unique "Wear and Abrasion Reduction Pattern" finish
- H2/3's come with reed switch and magnet fitted as standard for chain counter applications
- For Boats up to 14m (48ft)

To Special Order Only



H2 & H3 WINDLASS SPECIFICATIONS

Part No. Gypsy Only	Part No. Gypsy/Drum	Model	Motor Supply Voltage	Gypsy No.	Motor Power	Max Pull kg lb	Max Line Speed m ft	Working Load kg lb	Normal Current Draw	Normal Line Speed m ft	Weight Gypsy Only kg lb	Weight Gypsy/Drum kg lb	Circuit Breaker (Slow Blow)
L69600533	L69600537	H2	12V	505	700W	650 1433	21 69	163 358	80A	17 56	21.5 47	23.5 52	90A
L69600534	L69600538	H2	12V	506	700W	650 1433	21 69	163 358	80A	17 56	21.5 47	23.5 52	90A
-	L69600545	H3	12V	505	1000W	890 1962	28 92	215 475	85A	18 59	23.5 52	25.5 56	110A
L69600542	L69600546	H3	12V	506	1000W	890 1962	28 92	215 475	85A	18 59	23.5 52	25.5 56	110A
L69600544	L69600548	H3	24V	506	1000W	1020 2248	30 98	243 535	60A	20 66	23.5 52	25.5 56	90A

* Kits include: Built-in-dual-direction contactor, breaker and rocker switch

H2 & H3 GYPSY SPECIFICATIONS

Gypsy No.	Size	Chain Description	Rope Description
505	8mm	5/16" BB, 5/16" US G4 ISO, 8mm DIN 766, 8mm ISO 4565	14-16mm (5/16 - 5/8") 3-strand and 8-plait (5/8") only
506	10mm	3/8" BBB, 10mm DIN 766, Lewmar 9.5 G40	14-16mm (5/16 - 5/8") 3-strand and 8-plait (5/8") only

CABLE SIZES FOR HORIZONTAL WINDLASSES

Recommended cable sizes based on the total length of cable required from battery including positive and negative cables.

Model	0-10m	Distance 10-16m	16-24m
Pro Series 700	10mm ²	16mm ²	25mm ²
Pro Series 1000	10mm ²	16mm ²	25mm ²

Model	0-15m	Distance 15-24m	24-34m
H2 12V	25mm ²	35mm ²	50mm ²
H3 12V	25mm ²	35mm ²	50mm ²
H3 24V	*	25mm ²	*

*Check owner manual

**For Batteries, Battery Switches and Cable Accessories
See Section 8 of our Catalogue...**



CPX Vertical Windlass

AquaFax

WINDLASSES

CPX VERTICAL WINDLASS

The CPX vertical lightweight windlass range compliments the current V Range.

These windlasses feature the tried and tested worm-wheel gearbox architecture and use quality materials throughout - hard anodised aluminium for the base and cast stainless steel for the gypsy top cap and chain pipe cover.

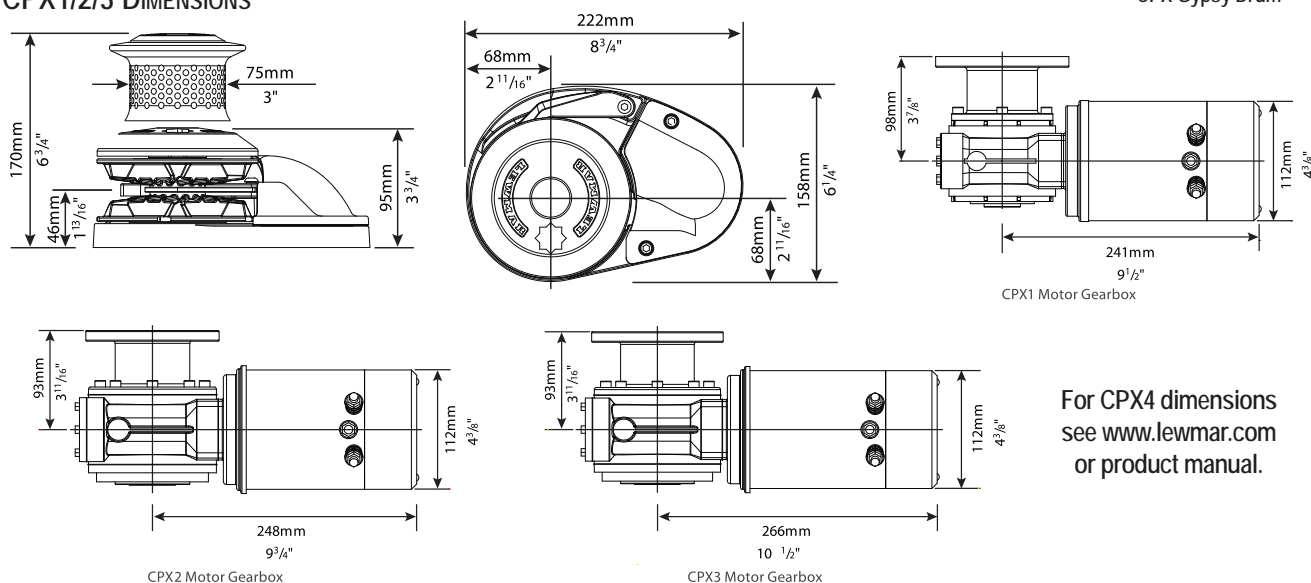
- 15% lighter than comparable all-stainless windlass
- New architecture with reduced parts
- Easier to service
- Highly reliable, light weight, high performance windlass
- IP68 motor gearbox available on request



CPX Gypsy Only

CPX Gypsy Drum

CPX1/2/3 DIMENSIONS



For CPX4 dimensions see www.lewmar.com or product manual.

CPX1/2/3 COMPLETE GYPSY ONLY KITS

Windlass Kit includes: Deck unit, gypsy, Motor gearbox, rocker switch, circuit breaker and contactor.

Part No.	Model	Gypsy No. - Chain Description	Voltage
L6671011006	CPX1	006- 6mm ISO 4565, 1/4" G40*, 1/4" BBB	12V
L6671011000	CPX1	000- 7mm ISO 4565, 1/4" G40*, 1/4" BBB	12V
L6671011001	CPX1	001- 8mm DIN 766, 8mm ISO 4565, 5/16" G40	12V
L6672011006	CPX2	006- 6mm ISO 4565, 1/4" G40*, 1/4" BBB	12V
L6672011001	CPX2	001- 8mm DIN 766, 8mm ISO 4565, 5/16" G40	12V
L6672011002	CPX2	002- 10mm DIN 766, Campbell 3/8" S4	12V
L6672011003	CPX2	003- 10mm ISO, Campbell 3/8" S3, Lewmar 9.5mm G40	12V
L6672211001	CPX3	001- 8mm DIN 766, 8mm ISO 4565, 5/16" G40	12V
L6672211002	CPX3	002- 10mm DIN 766, Campbell 3/8" S4	12V
L6672211003	CPX3	003- 10mm ISO, Campbell 3/8" S3, Lewmar 9.5mm G40	12V

CABLE SIZES FOR CPX WINDLASSES

Recommended cable sizes based on the total length of cable required from battery including positive and negative cables.

Model	Distance		
	0-7m	7-15m	15-22m
CPX0 - 500W	10mm ²	16mm ²	-
CPX0 - 700W	10mm ²	16mm ²	-
CPX1	10mm ²	16mm ²	25mm ²
CPX2	10mm ²	16mm ²	25mm ²
CPX3	16mm ²	25mm ²	35mm ²

SPECIFICATIONS

Model	Motor Power Watt	Max Pull kg	Max Pull lb	Working Load Limit kg	Working Load Limit lb	Max Line Speed m/min	Max Line Speed ft/min	Normal Current Draw Amp	Circuit Breaker Amp	App Weight Gypsy Only kg	App Weight Gypsy Only lb	App Weight Gypsy/Drum kg	App Weight Gypsy/Drum lb
CPX1 12V	700	454	1000	113	250	19	65	80	90	17.5	38.5	20.0	44.0
CPX2 12V	700	650	1433	163	358	21	69	80	90	17.5	38.5	20.5	45.1
CPX3 12V	1000	890	1962	215	473	28	92	85	110	20.0	44.0	23.0	50.6
CPX4 12V	1600	1250	2750	313	688	25	82	125	150	26.5	58.3	33.5	73.7

Gypsy Drum and 24V options available to special order. Tel 023 8045 4045 for details.



WINDLASSES

NEW

CPX0 VERTICAL WINDLASS

The CPX0 anchor windlass is aimed at the ever increasing number of smaller craft fitting powered units, filling the gap at the smaller end of the CPX range for boats between 24ft and 36ft.

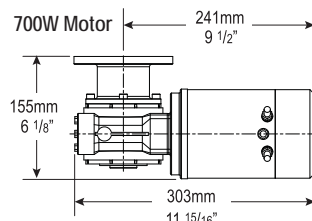
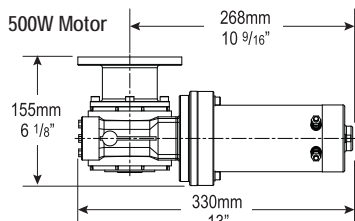
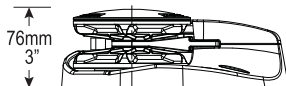
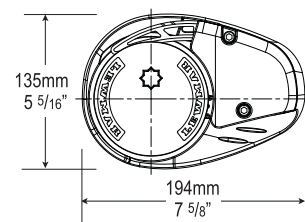
It features the tried and tested worm-wheel gearbox architecture and uses quality materials throughout - hard anodised aluminium for the base and cast stainless steel for the gypsy top cap and chain pipe cover.

- Lightweight design
- 500W or 700W motors
- Dual chain gypsy
- Highly reliable gearbox design

S/steel chain pipe cover & gypsy cap

Lightweight cast aluminium base - hard anodised black

6/7mm, 1/4" dual chain and 8mm, 5/16" gypsy options



CPX0 BASIC WINDLASS KITS

Basic windlass kit includes: Deck unit, Motor gearbox, Solenoid & Gypsy

Part No.	Description
L66910422	500W 6mm-7mm-1/4" with Chain Counter Sensor
L66910424	500W 8mm-5/16" with Chain Counter Sensor
L66910426	700W 6mm-7mm-1/4" with Chain Counter Sensor
L66910428	700W 8mm-5/16" with Chain Counter Sensor

CPX0 Extended Windlass Kits available.

Includes: Deck unit, Motor gearbox, Solenoid, Gypsy, Rocker switch and circuit breaker.

Model	Max Pull	Working Load Limit	Max Line Speed	Normal Current Draw	Circuit Breaker	App Weight Gypsy Only
CPX0 - 500W/12V	410 kg 900 lb	103 kg 226 lb	14 m/min 46 ft/min	75A	70A	9.2 kg 20.2 lb
CPX0 - 700W/12V	600 kg 1320 lb	150 kg 330 lb	15.5 m/min 51 ft/min	105A	90A	17 kg 37.4 lb

V700 VERTICAL WINDLASS

With 100% 316 stainless steel housing and a sleek flush-mount design that hides the motor down below, the V700 is one of the most attractive and durable windlasses on the market.

It works at the push of a button and has two built-in features that make it unique - motor protection and anchor lock.

- 100% 316 stainless steel deck unit
- IP67 Rated (Waterproof to 1 meter)
- Fall Safe anchor lock
- Fast line speed
- Manual recovery option
- Impact-resistant motor cover
- 5-year warranty
- For boats up to 10.5m (35 ft)
- Magnet & sensor kit available on request (Part No. L66000615)



DUAL CHAIN GYPSY

The V700 now comes with a gypsy able to accept both 6mm and 7mm (1/4 inch) chains.

- Fits calibrated chains: 6mm DIN766, 1/4" G4 or BBB, 7mm DIN766
- Minimal parts for enhanced reliability

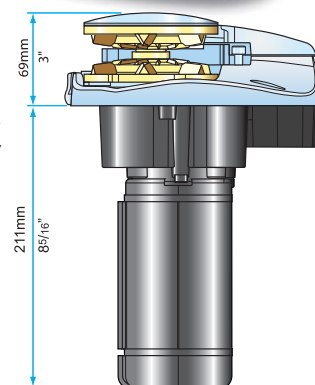
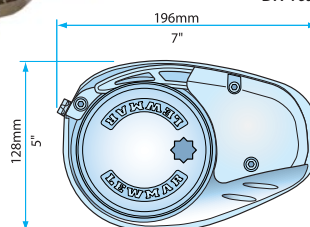


CABLE SIZES FOR V700 (12V)

Length of Cable Run	Switch Wiring	Current Rating for switch wire
0-7m / 0' - 23'	10mm ² / 8 AWG	1.5mm ² / 16 AWG
7-15m / 23' - 50'	10mm ² / 8 AWG	5A

The above cable sizes are recommendations only.

For switches & accessories refer to pages 14 - 16.



Part No.	Description	Gypsy No.	Motor Supply Voltage	Motor Power Watts	Typical Max Pull kg lb	Maximum Line Speed m/min ft/min	Working Load kg lb	Normal Current Draw	Typical Line Speed/min m ft	Weight Gypsy Only kg lb	Circuit Breaker
L6670011108-312	V700 12V 6/7mm kit*	603	12V	320W	320 700	25 82	79 175	45A	15 50	6.5 14	35A

* Kit includes: Contactor and Circuit breaker.

For circuit breaker information, contactors, switches and accessories see pages 14 - 16

V1/V2/V3 Vertical Windlass



Aquafax

WINDLASSES

V1/V2/V3 VERTICAL WINDLASSES

- Rope-chain gypsy
- Manual chain release (Free Fall)
- Cone clutch for smooth, easy control
- Optional manual override motor gearbox
- W.A.R.P. Drum
- Fall safe anchor lock
- Robust/reliable worm gearbox
- FastFit™ option for quicker installation and less hassle
- Emergency recovery kit available
- Water resistant IP68 kits available
- For Boats up to 14m (48ft)

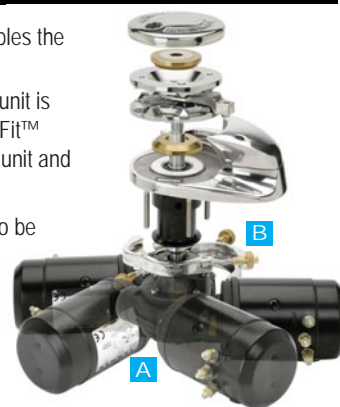


FastFit™ motor gearbox attachment enables the windlass to be fitted by one man alone.

While the gearbox alignment to the deck unit is critical to a standard installation, the FastFit™ clamping system perfectly align the deck unit and motor/gearbox for a perfect fit first time.

A FastFit™ enable the motor / gearbox to be rotated and fixed in increments of 45°

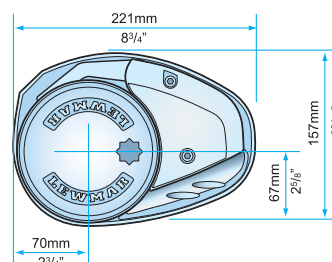
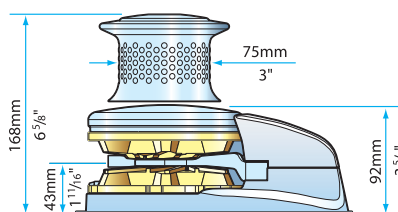
B To install your windlass, simply fix the deck unit to the deck and then slide the gearbox up the shaft, swing the FastFit™ clamp shut and tighten up the bronze nut.



Model	Motor Power Watts	Max. Pull kg lb	Working Load kg lb	Max. Line Speed m/min. ft/min.	Normal Current Draw	Circuit Breaker	App. Weight Gypsy only kg lb	App. Weight Gypsy/Drum kg lb
V1	700W	454 1000	113 250	19 65	80A	90A	19 42	- -
V2 12v	700W	650 1433	163 358	21 69	80A	90A	19 42	22 48.5
V2 24v	900W	760 1675	180 396	24 79	45A	50A	19 42	22 48.5
V3 12v	1000W	890 1962	215 473	28 92	85A	110A	21.5 47	24.5 54
V3 24v	1000W	1020 2248	243 535	30 98	60A	90A	21.5 47	24.5 54

Specify your Windlass

- 1 DECK UNIT**
Gypsy Only or Gypsy/Drum
- 2 MOTOR GEARBOX**
12V or 24V
- 3 GYPSY**



V1/V2 FASTFIT™ KITS (deck unit, gypsy, FastFit™ motor gearbox, rocker switch, circuit breaker, contactor & handle)

Gypsy Only Part No.	Gypsy Drum Part No.	Model	Gypsy No. - Chain Description	Voltage
L667101196-138	-	V1	006- 6mm ISO 4565, 1/4" G40*, 1/4" BBB	12V
L667101198-138	-	V1	001- 8mm DIN 766, 8mm ISO 4565	12V
L667201198-138	L667202198-138	V2	001- 8mm DIN 766, 8mm ISO 4565	12V
L6672011108-138	L6672021108-138	V2	002- 10mm DIN 766, Campbell 3/8" S4, 5/16" G40	12V
L6672012198-140	L6672022198-140	V2	001- 8mm DIN 766, 8mm ISO 4565	24V

3 V1/V2/V3 GYPSY SPECIFICATIONS *G40 = Grade 40 Short Link Chain

Part No	Gypsy No.	Chain Description	Rope Description
L68000840	006	6mm ISO 4565, 1/4" G40*, 1/4" BBB	12-14mm (1/2") 3-strand and 8-plait
L68000360	000	7mm ISO 4565, 1/4" G40*, 1/4" BBB	12-14mm (1/2") 3-strand and 8-plait
L68000361	001	8mm DIN 766, 8mm ISO 4565, 5/16" G40	12-16mm (1/2 - 5/8") 3-strand and 8-plait (5/8" only)
L68000362	002	10mm DIN 766 Campbell 3/8" S4	12-16mm (1/2 - 5/8") 3-strand and 8-plait (5/8" only)
L68000363	003	10mm ISO, Campbell 3/8" S3, Lewmar 9.5mm G40	16mm (5/8") 3-strand and 8-plait

IP68 motor gearbox available (non FastFit™)

- Waterproof unit won't be damaged even if submerged under water

- Robust composite case
- Compression cable clamps included
- No maintenance required
- Provide best motor protection against the elements



IP68 Motor Gearbox Assy (No Cables)

V2 12V P/No. **L68001052**
V3 12V P/No. **L66810037**

CABLE SIZES (V1/V2/V3)

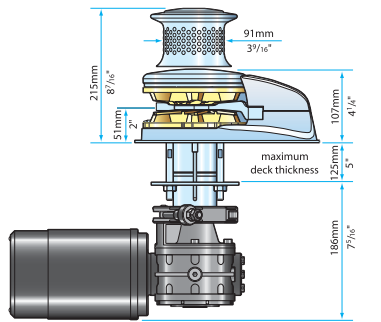
Product	Voltage	Length of Cable Run		Switch Wiring	Current Rating for switch wire
		0-7m / 0' - 23'	7-15m / 23' - 50'		
V1	12V	10mm ² / 8 AWG	16mm ² / 6 AWG	1.5mm ² / 16 AWG	5A
V2	12V	10mm ² / 8 AWG	16mm ² / 6 AWG	1.5mm ² / 16 AWG	5A
V2	24V	6mm ² / 10 AWG	6mm ² / 10 AWG	1.5mm ² / 16 AWG	5A
V3	12V	16mm ² / 6 AWG	25mm ² / 2 AWG	1.5mm ² / 16 AWG	5A
V3	24V	10mm ² / 8 AWG	16mm ² / 6 AWG	1.5mm ² / 16 AWG	5A

V1/V2/V3 OPTIONAL ACCESSORIES

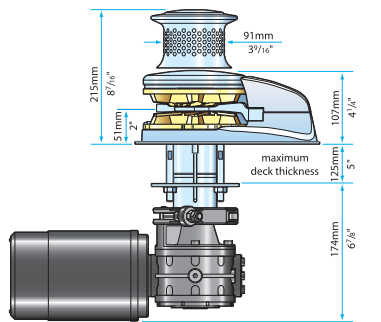
Part No.	Description
L66810030	V1/V2/V3 Control arm kit
L66840054	Gypsy Only manual recovery kit
L66840056	Gypsy Drum manual recovery kit
L68000866	3 Gland Bulkhead fitting
L29140017	Manual handle



WINDLASSES



V4 Dimensions



V5 Dimensions

V4/V5 VERTICAL WINDLASS

- Rope-chain gypsy
- Cone clutch for smooth, easy control
- Manual Free Fall
- W.A.R.P Drum
- Robust and reliable drive train
- Reed switch and magnet fitted as standard
- Manual override (optional)
- The largest rope chain windlass in the range
- For boats up to 22m (72ft)



Gypsy Only

Gypsy Drum

V4/V5 ELECTRIC SPECIFICATIONS

Model	Motor Power Watts	Max. Pull kg lb	Working Load kg lb	Max. Line Speed m/min. ft/min.	Normal Current Draw	Circuit Breaker	App. Weight Gypsy only kg lb	App. Weight Gypsy/Drum kg lb
V4 12V	1600W	1250 2750	313 688	25 82	125A	150A	29 64	36 79
V4 24V	2000W	1500 3300	375 825	27 90	70A	110A	29 64	36 79
V5 12V	2000W	1450 3190	363 798	27 90	120A	150A	31 68	38 84
V5 24V	2000W	1600 3520	400 880	29 97	60A	110A	31 68	38 84

V4/V5 HYDRAULIC SPECIFICATIONS

Model	Normal Pressure	Flow Rate	Max Pull Kg lb	Max. Line Speed m/min ft/min
V4/5 Hyd	175 bar / 2537 psi (cont)	10-40 l/min 2.6-10.6 US gal/min	1100 @ 140 bar 2400 @ 203psi	21 @ 40l/min 69 @ 10.6 US gal/min

Hydraulic motor/gearboxes are suitable for use with both V4/V5 and C4/C5.

Part No.s in red = TO ORDER ONLY.

V4/V5 VERTICAL WINDLASS

1 Deck Unit

Part No.	Description
L66810024	V4/5 Gypsy only
L66810025	V4/5 Gypsy Drum

2 Motor Gearbox (Inc. contactor)

Part No.	Description
L68000959	V4 - 12V
L68000960	V4 - 24V
L68000961	V5 - 12V
L68000962	V5 - 24V
L68000294	V4/5 Hydraulic

V4/V5 OPTIONAL ACCESSORIES

Part No.	Description
L66810031	V4/5 control arm kit
L66840003	Gypsy Only manual recovery kit
L66840005	Gypsy Drum manual recovery kit
L68000866	3 Gland Bulkhead fitting
L68000867	4 Gland Bulkhead fitting

3 V4/V5 GYPSY SPECIFICATIONS

Part No	Gypsy No.	Chain Description	Rope Description
L68000356	201	8mm DIN 766, 8mm ISO 4565, 5/16" G40, 5/16" Campbell S4,	12-14mm (1/2") 3 strand hard lay up
L68000357	202	10mm DIN 766, 5/16" Campbell S3, 3/8" Campbell S4, 9.5mm G30	16mm (5/8") 3 strand hard lay up
L68000358	203	10mm ISO 4565, 3/8" Campbell S3, Lewmar 9.5mm G40	16mm (5/8") 3 strand hard lay up
L68000359	204	12mm ISO 4565, 13mm DIN 766	18-20mm (3/4") 3 strand hard lay up

CABLE SIZES (V4/V5)

Product	Voltage	Length of Cable Run			Switch Wiring	Current Rating for switch wire
		0-7m / 0' - 23'	7-15m / 23' - 50'	15-22m / 50' - 73'		
V4	12V	25mm ² / 4 AWG	35mm ² / 2 AWG	50mm ² / 1/0 AWG	1.5mm ² / 16 AWG	5A
V4	24V	10mm ² / 8 AWG	16mm ² / 6 AWG	25mm ² / 4 AWG	1.5mm ² / 16 AWG	5A
V5	12V	25mm ² / 4 AWG	35mm ² / 2 AWG	50mm ² / 1/0 AWG	1.5mm ² / 16 AWG	5A
V5	24V	10mm ² / 8 AWG	16mm ² / 6 AWG	25mm ² / 4 AWG	1.5mm ² / 16 AWG	5A

For circuit breaker information, contactors, switches and accessories for all V Series windlass see pages 14 - 16

WINDLASSES - ACCESSORIES

CHAIN COUNTERS

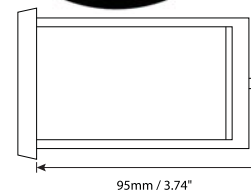
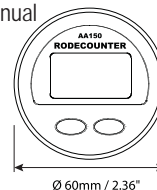
A chain-counter allows the scope of chain/rope to be more accurately measured, ensuring quicker, safer anchoring under any conditions. Lewmar offer a full range of AutoAnchor chain counters, ranging from a basic panel-mounted chain counter to a full multi-station capable wireless control. The AutoAnchor product makes a great add-on to any of Lewmar's vertical windlasses. New plug and play cables reduces installation time

AA150 CHAIN COUNTER Displays the length of rode deployed through the windlass.

- LCD display shows at a glance how much anchor rode is out
- Docking alarm sounds when the anchor is close to docking
- Now plug and play AA sensor installation
- Works with rope/chain or all-chain rode
- Use with DC, AC and hydraulic windlasses
- Install up to 2 units or combine with the AA560, AA710 or AA300 series for multiple stations on the boat
- Standard 60mm (2.36") marine instrument console

KIT INCLUDES:

- Console with sensor plug and fastening kit
- 1 magnet (10mm x 8mm)
- Grey sensor with 2m sensor cable and plug (use for all-chain or rope/chain installations)
- Motor load sensor terminators (use for rope/chain installations)
- Installation instructions and user manual



Part No.	Power Supply	Current Consumption	Temperature Range	Maximum Voltage	Emc Protection/CE
L66830014	12 or 24V DC	30mA	-5 to 60°C (23 to 140°F)	30V DC	EN609945

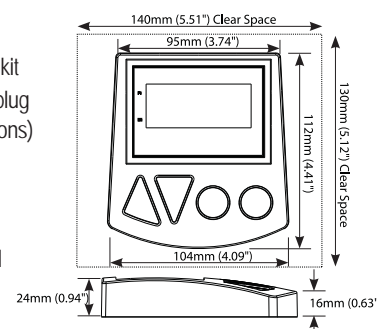
AA560 CHAIN COUNTER Controls the windlass from the helm station and shows at a glance how much anchor rode is deployed.

- "One touch" automatic function deploys and retrieves a preset length of anchor rode making anchoring easier and safer
- Docking alarm and pre-set stopping point help protect the boat during anchor retrieval
- Use with DC, AC and hydraulic windlasses
- Install up to 2 units or combine with the AA150, AA710 or AA300 series for multiple stations on the boat



KIT INCLUDES:

- Console with sensor plug and fastening kit
- Grey sensor with 2m sensor cable and plug (use for all-chain or rope/chain installations)
- 1 magnet (10mm x 8mm)
- Motor load sensor terminators (use for rope/chain installations)
- Installation instructions and user manual



Part No.	Power Supply	Current Consumption	Temperature Range	Maximum Voltage	Emc Protection/CE
L66830015	12 or 24V DC	70mA	-5 to 60°C (23 to 140°F)	30V DC	EN609945

AA730 WIRED REMOTE CONTROL WITH LCD AND CHAIN COUNTER

Waterproof control for windlass or thruster with chain counter

- Full windlass control and chain counting
- Controls bow and / or stern thrusters
- 4 metres spiral cable
- Stowage on cradle
- Use with DC, AC and hydraulic systems
- Operates in parallel with other control equipment eg toggle switches, foot switches and other electronic controllers.



NEW

KIT INCLUDES:

One handheld console unit with cradle, one base station, a deck socket with 2m lead, a socket sealing cap, one sensor, 2 magnets, screws for the cradle and socket, installation and operation instructions.

Part No. L66830040 - TO ORDER

AA710 WIRELESS WINDLASS CONTROL AND CHAIN COUNTER

Hand held device to control the windlass and other devices with integrated chain counter feature.

- Full windlass control and chain counting
- Controls bow and / or stern thrusters
- Preset the length of rode to deploy
- Auto stop and docking alarm when the anchor is close to docking
- High level wireless transmission security includes unique ID and registration for every unit
- Safety lock reduces unwanted operation
- Displays signal strength and battery level
- Use with DC, AC and Hydraulic systems
- Operates in parallel with other control equipment eg toggle switches, foot switches and other electronic controllers.



KIT INCLUDES:

- Hand held radio remote control unit (AA710)
- Base station (AA702A) with male sensor plug
- Grey sensor with 2m sensor cable and plug (use for all-chain or rope/chain installations)
- 1 Magnet (10mm x 8mm)
- Motor load sensor terminators (Use for rope/chain installations)
- Installation instructions and user manual

Part No. L66830011

Spare cables & accessories available to order - contact your local Aquafax depot for details.

WINDLASSES - ACCESSORIES



CIRCUIT BREAKERS

Part No.	Amps	Use With Windlass Model
8-27080	25A	Pro-Sport
L68000604	35A	V700
8-27083	50A	Pro-Sport/ Pro-Fish 700W - CPX2/V2 24V - C3 24V
8-27085	70A	Pro-Sport/ Pro-Fish 1000W - CPX0 500W - C3 12V
L68000349	90A	CPX0 700W/ CPX1/ V1 - CPX2/ V2 12V - CPX3/ V3 24V - H2 12V - H3 24V
L68000350	110A	CPX3/ V3 12V - CPX4/ V4/ V5 24V - H3 12V - C4/ C5 24V
8-27089	150A	CPX4/ V4 12V - V5 12V - V6 24V - C4 / C5 12V
8-27049	200A	V8 2.5kW
L68000895	250A	V8 3.5kW

For our full range of Circuit Breakers see Section 8 catalogue.

CONTACTORS TO = TO ORDER ONLY

Product	Description	Capstans C3 to C6	Pro-Sport	Pro-Series Fish 700	Pro-Series Fish 1000	V700	CPX0	V1 CPX1	V2/V3 CPX2/3	V4 CPX4	V5
	SEALED CONTACTORS										
L68000933	Single 12V	•									
L68000934	Single 24V	•									
L68000937	Compact Dual 12V TO						•	•	•		
L68000938	Compact Dual 24V TO								•		
L68000318	Dual 12V							•	•		•
L68000319	Dual 24V								•		•
L68000939	Compact Dual 12V		•	•	•	•					
L68000320	Dual 12V									•	
L68000321	Dual 24V									•	
	CONTACTORS IN BOXES										
L18000301	Single 12V	•									
L18000302	Single 24V	•									
L68000129	Dual 12V							•	•		•
L68000130	Dual 24V								•		•
L18000200	Dual 12V TO		•	•	•	•				•	
L18000237	Dual 24V TO									•	

WIRELESS RF REMOTE CONTROL

Both the 3-Button Windlass Remote Kit and the 5-Button Windlass & Thruster Kit are easily retro-fitted to existing installations and include a replaceable battery.

The fobs float and are waterproof to IP67 (1 Meter deep). Using over one billion individual codes, the proprietary encryption scheme prevents false triggering from any other device or similar fob.

Both kits include a Receiver that supports up to eight remote key fobs (additional fobs sold separately).

Spare Fobs - Available To Order

L68001005 - 3 button spare fob

L68001006 - 5 button spare fob

Most Lewmar products utilise solenoids although some of their older products may not. If in doubt contact your Aquafax representative.

10M REMOTE ANTENNA KIT

When reception is poor or distance to the windlass/thruster is long, a remote antenna will improve reception.

Part No. L68000969

3-BUTTON WINDLASS WIRELESS REMOTE KIT

- Allows wireless remote operation (Up/Down) of any Lewmar or Simpson Lawrence (solenoid switched) windlass
- FCC & CE
- Kit includes one wireless fob and one receiver

Part No. L68000967

5-BUTTON WINDLASS & THRUSTER WIRELESS REMOTE KIT

- Allows wireless operations of any Lewmar thruster (Port & Starboard thrust) and any Lewmar (solenoid switched) windlass (Up/Down)*
- FCC & CE
- Kit includes one wireless fob, one windlass receiver and one thruster receiver

Part No. L68000968





THRUSTERS

HOW TO CHOOSE THE RIGHT THRUSTER FOR YOUR BOAT

The boat's wind area, the 'lateral wind draft area' and the thruster's tunnel position in the hull determine the thruster's performance on a boat. By knowing these factors we can calculate the wind pressure on the boat and the centre point of this wind pressure. From these calculations we can determine what

thrust is needed to counter the wind pressure with the given thruster position. To gain total control of your boat, install both a bow and stern thruster, leaving the main engines to propel the boat forward and backward. The stern thrust should be equal in size and power to the bow thruster.

The main factors that decide correct thruster sizing are:

1. Position of the Thruster

The actual position of the thruster will depend on the internal & external construction of the vessel. For optimal performance the thruster should be mounted within the following:

- As far forward as possible to maximise the lever effect. (Fig 1)
- 1 x Ø (0.75 x Ø minimum) below the waterline to prevent air being sucked into the tunnel. (Fig. 2). Ø=Tunnel Diameter.
- Minimum suggested tunnel length 2 x Ø.

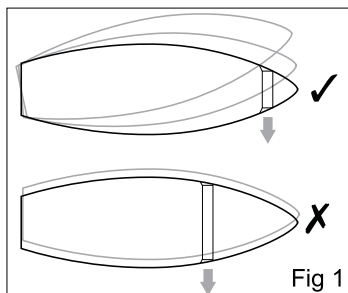


Fig 1

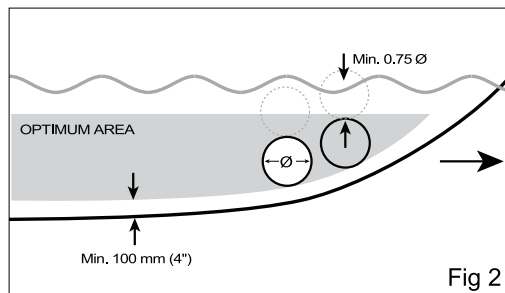


Fig 2

2. Boat Size Type and Shape



Light displacement / low windage



Medium displacement / Medium windage



Heavy displacement / High windage

High control / Heavy boat

Medium control / medium displacement

Light control / light displacement

	m	9m	11m	12m	14m	21m	17m	18m	20m	21m	23m	24m	26m	27m
	ft	30ft	35ft	40ft	45ft	50ft	55ft	60ft	65ft	70ft	75ft	80ft	85ft	90ft
110TT 1.5														
140TT 2.0														
140TT 2.2														
185TT 3.0														
185TT 4.0														
185TT 5.0														
185TT 6.0														
250TT 8.0														
250TT 9.6														
300TT 10.8														
250TT HYD														
300TT 15.0														
300TT HYD														

THRUSTER FEATURES

High performance, ease-of-use and reliability.

Lewmar cassette seal gives excellent protection and better sealing than standard lip seal. This enables Lewmar TT thrusters to be installed without the need for a top-up reservoir and its associated maintenance.



The Lewmar TT anode has a specially designed stainless steel sheath for optimal retention. Secured with a large nut, it is simple to replace.



Custom-made to Lewmar specifications, the motors are highly reliable and high performance. Replacement brushes are available.

Easy plug-together switch connections.

"Black Box" provides protection for the motor from overheats and incorporates a direction change delay to prevent damage to the motor internals.

Hardened and ground spiral bevel gears for maximum efficiency and quiet power transmission.

5-blade propeller produces equal thrust out of the tunnel across the full 110-185 range from a single propeller. The 250 & 300 utilise twin counter rotating props to get the best performance from larger tunnels and higher power outputs.



Bow Thruster Kits

AquaFax

THRUSTER KITS

LEWMAR BOW THRUSTER KITS

Choose the size of the thruster kit from the selection guide for your boat, add a loom, thruster tube, batteries, cable and cable terminals for your complete Lewmar Thruster.

Lewmar Bow Thruster Technical Features

- Mechanical high integrity seal on leg, no reservoir to install, no leaks or maintenance
- High performance 5-blade propellers give equal thrust in both directions
- Spline-driven propeller, no drive pin required
- Black box electronics prevents misuse and protects motor
- Hardened & ground bevel gears for max efficiency & power transmission
- Self-resetting thermal protection on all motors
- Easy plug-together switch connections
- Minimum silhouette hub for smooth water flow

Kit Includes:

- Lewmar Thruster
- Lewmar Touch Panel
- Blue Sea Fuse Block and Fuse
- Blue Sea Battery Master Switch



L589094

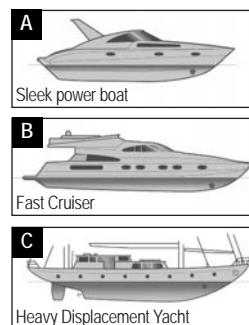
Joystick Controller
Supplied with 110TT1.5
and 140TT2.0 only.

Part No.	Thruster Model	VDC	Power kW	HP	Tunnel Dia (mm)	Prop	Thrust kgf	lb	Weight kg	lb
L591101K	110TT1.5	12	1.5	2.0	110	Single 5 blade	28	62	10	22
L591482K	140TT2.0	12	2.0	2.7	140	Single 5 blade	37	81	13	29
L591481K	140TT2.2	12	2.2	3.0	140	Single 5 blade	42	92	13	29
L591801K	185TT3.0	12	3.0	4.0	185	Single 5 blade	58	128	20	43
L591807K	185TT4.0	12	4.0	5.4	185	Single 5 blade	65	143	20	43
L591803K	185TT5.0	12	5.0	6.7	185	Single 5 blade	82	180	27	59
L591805K	185TT6.0	12	6.0	8.0	185	Single 5 blade	97	213	27	59
L592501K	250TT8.0	24	8.0	10.8	250	Twin CR Blades	160	353	46	102

Special prop for steel tubes available - Part No. L589351S (for 185TT Thrusters)

FORCE FACTOR GUIDE

	Force Factor	A Light Displacement/ Low Windage	B Medium Displacement/ Medium Windage	C Heavy Displacement/ High Windage
	Wind Effects (Conditions)			
Slight	5-8M/S, 11-16 Knots, Beaufort F4, 12-18mph	1	2	3
Moderate	8-11M/S, 17-21 Knots, Beaufort F5, 19-24mph	4	5	6
Rough	11-14M/S, 21-26 Knots, Beaufort F6, 25-30mph	7	8	9

THRUSTER SELECTION GUIDE
(Powerboats, Motor Yachts
& Displacement Yachts)

After deciding FF above, locate
boat LOA and appropriate TT
Thruster.

FF	LOA ft LOA (m)	20 (6.1)	25 (7.6)	30 (9)	35 (10.5)	40 (12)	45 (13.5)	50 (15)	55 (16.7)	60 (18.2)
1	110TT 1.5	110TT 1.5	140TT 2.0	140TT 2.0	140TT 2.2	185TT 3.0	185TT 4.0	185TT 5.0	185TT 6.0	
2	110TT 1.5	110TT 1.5	140TT 2.0	140TT 2.0	140TT 2.2	185TT 3.0	185TT 4.0	185TT 5.0	185TT 6.0	
3	110TT 1.5	110TT 1.5	140TT 2.0	140TT 2.2	185TT 3.0	185TT 4.0	185TT 4.0	185TT 6.0	250TT 8.0	
4	110TT 1.5	110TT 1.5	140TT 2.0	140TT 2.2	185TT 3.0	185TT 4.0	185TT 5.0	185TT 6.0	250TT 8.0	
5	110TT 1.5	110TT 1.5	140TT 2.2	185TT 3.0	185TT 4.0	185TT 5.0	185TT 6.0	250TT 8.0	250TT 8.0	
6	110TT 1.5	140TT 2.0	140TT 2.2	185TT 3.0	185TT 4.0	185TT 5.0	185TT 6.0	250TT 8.0	250TT 8.0	
7	110TT 1.5	140TT 2.0	185TT 3.0	185TT 4.0	185TT 5.0	185TT 6.0	250TT 8.0	250TT 8.0	250TT 8.0	
8	140TT 2.0	140TT 2.2	185TT 3.0	185TT 4.0	185TT 5.0	185TT 6.0	250TT 8.0	250TT 8.0	250TT 8.0	
9	140TT 2.0	140TT 2.2	185TT 3.0	185TT 5.0	185TT 6.0	250TT 8.0	250TT 8.0	250TT 8.0	250TT 8.0	

See Chart
on page 17

THRUSTER SELECTION GUIDE (Narrowboat & Widebeam)

(Consider boat weights and types when choosing).

Ft (M)	30 (9.1)	40 (12.1)	50 (15.2)	60 (18.2)	70 (21.3)
Narrowboat	185TT 3kW 58kgf				
		185TT 4kW 65kgf			
			185TT 5kW 82kgf		
				185TT 6kW 97kgf	
Widebeam	185TT 6kW 97kgf				
			250TT 8kW 160kgf		

LEWMAR THRUSTER CONTROL CABLE LOOMS

Description	110TT1.5 & 140TT2.0 Only Part No.	140TT2.2 and Upwards Part No.
4-way 2m control cable	L589021	L589232
4-way 7m control cable	L589016	L589233
4-way 10m control cable	L589017	L589234
4-way 14m control cable	L589018	L589235
4-way 18m control cable	L589019	L589236
4-way 22m control cable	L589020	L589237

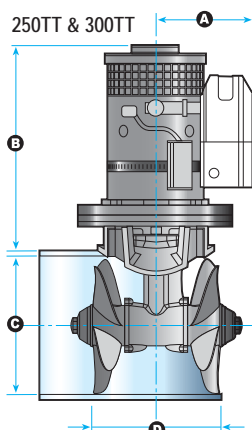
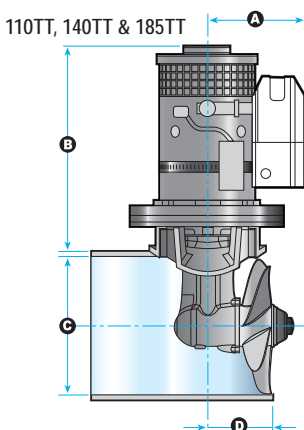


THRUSTERS & ACCESSORIES

TT ELECTRIC THRUSTERS

- Range from 1.5kW (2HP) to 10.8kW (14.5HP)
- No reservoir to install, no leaks and no maintenance
- High performance 5-blade propellers give equal thrust in both directions
- High integrity seal
- Spline-driven propeller, no drive pin required
- Black box electronics prevent misuse and protect motor

- Hardened and ground bevel gears for maximum efficiency and quiet power transmission
- Self-resetting thermal protection on all motors
- See page 21 for choice of thruster controllers
- Easy plug-together switch connections
- Minimum silhouette hub for smooth water flow
- Ignition Protected cable option available



Model	A		B		C		D	
	mm	in	mm	in	mm	in	mm	in
110TT1.5	123	4 ⁵ / ₁₆	208	8 ³ / ₁₆	110	4 ¹ / ₈	64	2 ¹ / ₂
140TT2.0	123	4 ⁵ / ₁₆	213	8 ³ / ₈	140	5 ¹ / ₂	71	2 ¹³ / ₁₆
140TT2.2	123	4 ⁵ / ₁₆	235	9 ¹ / ₄	140	5 ¹ / ₂	71	2 ¹³ / ₁₆
185TT3.0 / 185TT4.0	148	5 ⁷ / ₈	293	11 ¹ / ₂	185	7 ⁵ / ₁₆	83	3 ³ / ₄
185TT5.0	162	6 ³ / ₈	315	12 ³ / ₈	185	7 ⁵ / ₁₆	83	3 ³ / ₄
185TT5.0	162	6 ³ / ₈	315	12 ³ / ₈	185	7 ⁵ / ₁₆	83	3 ³ / ₄
185TT6.0	161	6 ³ / ₈	343	13 ¹ / ₂	185	7 ⁵ / ₁₆	83	3 ³ / ₄
185TT6.0	161	6 ³ / ₈	343	13 ¹ / ₂	185	7 ⁵ / ₁₆	83	3 ³ / ₄
250TT8.0	165	6 ¹ / ₂	422	16 ⁵ / ₈	250	9 ¹³ / ₁₆	256	10 ¹ / ₁₆
250TT9.6	183	7 ¹ / ₄	427	16 ¹³ / ₁₆	250	9 ¹³ / ₁₆	256	10 ¹ / ₁₆
300TT10.8 / 300TT15	203	8	450	17 ¹¹ / ₁₆	300	11 ¹³ / ₁₆	320	12 ³ / ₈



140TT



185TT



250TT



300TT

TT THRUSTER SPECIFICATIONS

Part No.	Model	Voltage	Power Kw	HP	Gearbox Material	Tunnel Ø mm	Props	Thrust Kgf	lb	Current Draw (A)	Fuse Rating (A)	Weight kg	lb
L591101	110TT1.5	12	1.5	2.0	Composite	110	Single 5-blade	28	62	230	200	10	22
L591482	140TT2.0	12	2.0	2.7	Composite	140	Single 5-blade	37	81	270	200	13	29
L591481	140TT2.2	12	2.2	3.0	Composite	140	Single 5-blade	42	92	280	200	13	29
L591801	185TT3.0	12	3.0	4.0	S/Steel	185	Single 5-blade	58	128	330	250	20	43
L591802	185TT3.0	24	3.0	4.0	S/Steel	185	Single 5-blade	58	128	160	130	20	43
L591807	185TT4.0	12	4.0	5.4	S/Steel	185	Single 5-blade	65	143	470	400	20	43
L591808	185TT4.0	24	4.0	5.4	S/Steel	185	Single 5-blade	65	143	235	130	20	43
L591803	185TT5.0	12	5.0	6.7	S/Steel	185	Single 5-blade	82	180	480	400	27	59
L591804	185TT5.0	24	5.0	6.7	S/Steel	185	Single 5-blade	82	180	240	130	27	59
L591805	185TT6.0	12	6.0	8.0	S/Steel	185	Single 5-blade	97	213	740	500	27	59
L591806	185TT6.0	24	6.0	8.0	S/Steel	185	Single 5-blade	97	213	370	325	27	59
L592501	250TT8.0	24	8.0	10.8	Bronze	250	Twin CR	160	353	500	400	46	102
L592502	250TT9.6	48	9.6	13.0	Bronze	250	Twin CR	170	374	325	250	50	110
L592503	250TT8.0	24	8.0	10.8	Aluminium	250	Twin CR	160	353	500	400	46	102
L593001	300TT10.8	24	10.8	14.5	Bronze	300	Twin CR	250	550	650	500	65	143
L593002	300TT15	48	15	20	Bronze	300	Twin CR	280	616	420	400	68	150
L593003	300TT10.8	24	10.8	14.5	Aluminium	300	Twin CR	250	550	650	500	65	143

Part No.s in red = TO ORDER ONLY

CR - Counter Rotating

Swing Thrusters & TT Hydraulic Thrusters

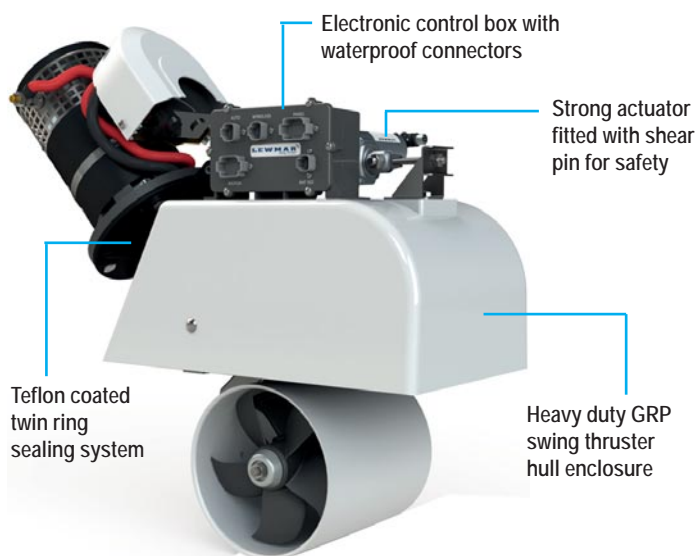
Aquafax

SWING THRUSTERS

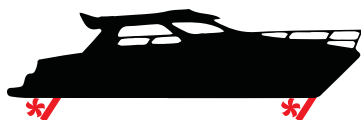
LEWMAR® Swing Thruster

The new range of Lewmar swing thrusters are suitable for boats from 28ft to 65ft. Developed in conjunction with RMC, the thrusters use components from Lewmar's TT Thruster range together with the advanced technology developed by RMC.

- Corrosion resistant injection moulded hinge mechanism incorporating with teflon coated ring seal system providing multiple sealing surfaces and zero maintenance.
- Strong actuators and optimised geometry allow a rapid deployment and fine levels of adjustment for a perfect fit and swing operation.
- Conversion box available allowing a swing stern thruster to be integrated with a Lewmar bow tunnel thruster. This allows both thrusters to be controlled using a single 2-axis joystick enabling sideways and rotational movements with ease.

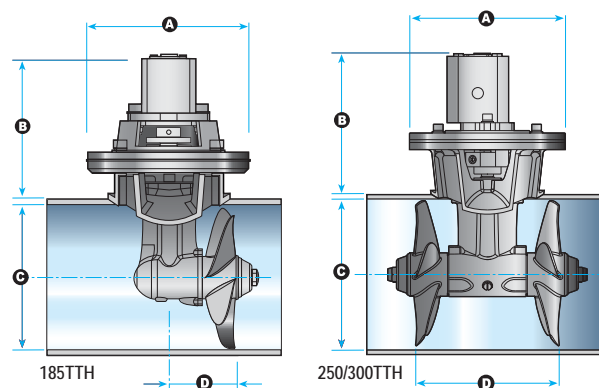


Common Installations



TT Thruster	140TT	185TT								185TTH	250TT		250TTH
Motor Kw	2.2	3.0	3.0	4.0	4.0	5.0	5.0	6.0	6.0	7.0	8.0	9.6	15.0
Voltage	12	12	24	12	24	12	24	12	24	Hyd	24	48	Hyd
HP	3	4	4	5.4	5.4	6.7	6.7	8	8	10	10.8	13	20

HYDRAULIC THRUSTERS



TT HYDRAULIC THRUSTERS

When longer duration is required or weight and space are critical, the hydraulic version of the TT Thrusters are the ideal solution. The TT Hydraulic Thrusters enable significant flexibility of vessel movement. The Hydraulic Thruster increases the thrust over the appropriate D.C. Electric power source version.

The power and performance of a hydraulic thruster is dependant on the Hydraulic system. Lewmar offer a complete turn key hydraulic solution. 250 and 300 models are available in bronze or aluminium hub version. Please see your Aquafax representative for more details.

TT HYDRAULIC THRUSTER SPECIFICATIONS

Bronze Part No.	Model	Tunnel	Propeller	Weight kg	Weight lb	Power HP	Power kW	A mm	A in	B mm	B in	C mm	C in	D mm	D in
L591821	185TTH	185mm	Single	8	17.6	10	7	200	7 ⁷ / ₈	202	7 ¹⁵ / ₁₆	185	7 ⁷ / ₃₂	83	3 ³ / ₃₂
L592522	250TTH	250mm	Twin CR	13	28.6	20	15	258	10 ⁵ / ₃₂	234	9 ⁷ / ₃₂	250	9 ²⁷ / ₃₂	238	9 ³ / ₈
L593021	300TTH	300mm	Twin CR	17	37.4	30	22.5	258	10 ⁵ / ₃₂	256	10 ¹ / ₁₆	300	11 ¹³ / ₁₆	320	12 ¹ / ₈

Part No.s in red = TO ORDER ONLY

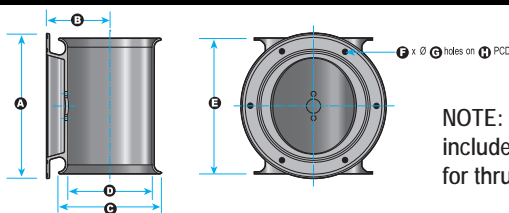
For more information on Lewmar Swing Thrusters and related accessories, please contact
023 8045 7206 or email sales@aquafax.co.uk

THRUSTER ACCESSORIES

STERN TUNNEL KITS

Lewmar manufactures sturdy stern kits from durable GRP. You'll find a kit to match Thruster sizes 140TT through to 300TT, (see page 17 for thruster required).

Part No.s in red = TO ORDER ONLY



NOTE: Thruster not included - see page 19 for thruster required.



Kit Part No.	Thruster	A		B		C		D		E		F	G		H	
		mm	in	mm	in	mm	in	mm	in	mm	in		mm	in	mm	in
L589110	140TT	240	9.450	105	4.134	170	6.693	140	5.512	225	8.858	6	8.5	0.335	206	8.110
L589310	185TT	290	11.417	130	5.118	235	9.252	185	7.283	320	12.598	6	10.5	0.413	251	9.882
L589510	250TT	350	13.780	175	6.890	310	12.205	250	9.843	380	14.961	6	10.5	0.413	312	12.283
L589710	300TT	384	15.118	215	8.465	375	14.764	300	11.811	420	16.535	8	12	0.472	334	13.150

TUNNELS

This range of high-quality filament-wound GRP tunnels is manufactured to our specifications and comes in a variety of cut-lengths. There is also a limited range of steel tubes available.

Tunnel Length cm ft	GRP Ø110mm (5 1/2")	GRP Ø140mm (5 1/2")	GRP Ø185mm (7 1/2")	Steel Ø185mm (7 1/2")	GRP Ø250mm (9 3/4")	GRP Ø300mm (11 3/4")
60 2'	L589401	-	-	-	-	-
75 2' 6"	L589402	L589101	L589300	-	-	-
100 3' 3"	L589403	L589102	L589301	-	L589501	-
150 4' 11"	-	L589103	L589302	L589321	L589502	L589701
200 6' 7"	-	-	L589303	L589322	L589503	L589702



CONTROL PANELS

Lewmar's new range of thruster controls provides superior tactile control of single or dual thruster installations. These controls can be fitted to any Lewmar thruster using the existing wiring loom.

- Ergonomic control 'pad' gives tactile feedback
- Membrane switch panel sealed from dust and moisture ingress
- A cover is included providing additional security against accidental use and giving extra environmental protection
- LED indicator shows power 'on'
- Single and Dual controller versions available
- Dual Controller gives total control of vessel via multi-axis function pad
- 12-24V dual voltage supply
- Upgrade kit allows installation of single or dual controller into a thruster system with previous generation black box controllers

NEW



Part No.	Description
L589223	Single Controller (Bow Thruster Only)
L589222	Dual Controller (Bow & Stern Thrusters)
L589225	Upgrade Kit (Use with L589223 on 110TT1.5 & 140TT2.0)

Simple Installation Both controllers can be installed without the need for rear access and feature a snap on bezel to neatly hide the mounting screws. If replacing a previous generation touch panel, joystick panel or dual joystick panel, then the existing mounting hole and fixing screw positions can be re-used.

SIMPLE JOYSTICK

for use with 110TT and 140TT only.

- Ideal entry level control of thrusters
- Features On/Off illumination
- Easy installation connection
- Auto-Shut off not available



L589094

Part No.	Description
L589094	Simple Joystick

CONNECTING LEADS AND Y CONNECTORS

Lewmar supplies 4-wire cables suitable for most installations or 5-wire cables for installations where a Battery Switch is connected.

To install, simply measure the distance from the Thruster to the Panel and choose the lead that fits best. If you are installing a second or third panel, use a Y Connector to divert power back to the Thruster.

For Single/Dual Controller Panels

4-Wire Cable	5-Wire Cable	Length
L589232	L589242	2m
L589233	L589243	7m
L589234	L589244	10m
L589235	L589245	14m
L589236	L589246	18m
L589237	L589247	22m
L589230	L589240	Extension Adaptor
L589231	L589241	'Y' Connector

For Simple Joystick

4-Wire Cable	Length
L589021	2m
L589016	7m
L589017	10m
L589018	14m
L589019	18m
L589020	22m
L589015	2m Extension
L589025	'Y' Connector



Pre-2015 Lewmar thrusters fitted with a black box motor controller can be upgraded to a new control panel using L589253 upgrade kit.

Electric Thruster Accessories



Aquafax

THRUSTER ACCESSORIES

AUTOMATIC BATTERY SWITCH (ABS)

- Compatible with 140TT 2.2kW and above
- Easy to install and close to the batteries, it will prevent power from reaching the Thruster until the Panel is activated
- Manual override to disable system
- Automatically activates power when Panel is operated

Part No. **L589226**



SWITCH BOX

To allow safe usage of a 24V thruster on a 12V boat and 48V thruster on a 24V boat. Additional batteries will be required.

Part No. **L559036** 12V/24V

Part No. **L559037** 24V/48V

Part No. **L559038** 12V/24V H*



*Heavy Duty

RECOMMENDED SPARES

Anode Kit



Part No.s in red = TO ORDER ONLY



Propellers

Thruster	140TT	185TT	250TT/300TT
Anodes	L589150	L589350	L589550

Thruster	140TT	185TT	250TT	300TT
Support Brackets	L589096	L589064	L589066	L589065

Thruster	110TT	140TT	185TT	250TT RH	250TT LH	300TT RH	300TT LH
Propellers	L589451	L589151	L589351	L589551	L589552	L589750	L589751

Thruster	110TT	140TT	185TT
Drive Pins	L559107	L559018	L559017a

ACCESSORIES SELECTOR

ACCESSORIES SELECTOR		110TT	140TT		185TT								250TT				300TT					
		591101 - 1.5 kw 12V	591482 - 2.0 kw 12V	591481/591404 IP - 2.2 kw 12V	591801/591829 IP - 3.0 kw 12V	591802/591830 IP - 3.0 kw 24V	591807/591831 IP - 4.0 kw 12V	591808/591832 IP - 4.0 kw 24V	591803/591833 IP - 5.0 kw 12V	591804/591834 IP - 5.0 kw 24V	591805 - 6.0 kw 12V	591806/591836 IP - 6.0 kw 24V	591821 - 5cc - 10hp (Hydraulic)	592501 - 8.0 kw 24V	592502 - 9.6 kw 48V	592503 - 8.0 kw 24V	592522 - 14cc - 20hp (Hydraulic)	593001 - 10.8 kw 24V	593002 - 15 kw 48V	593003 - 10.8 kw 24V	593021 - 26cc - 30hp (Hydraulic)	
Gearbox Material	Composite	•	•	•											•	•		•		•		•
	Bronze																		•			
	Aluminium																•				•	
	Stainless				•	•	•	•	•	•	•	•	•	•								
Fuse	8-25126 - 130A					•										•						
	8-25131 - 250A				•				•		•						•					
	8-25134 - 325A												•									
	8-25136 - 400A							•		•					•		•		•			
	8-25137 - 500A										•											
	8-25129 - 200A	•	•	•															•		•	
Fuse Holder	8-25503 - with cover	•	•	•	•	•		•		•		•			•	•	•		•	•	•	
	8-25005 - without cover	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•		•	•	•	
Controller	L589223 - Single			•	•	•	•	•	•	•	•	•	•		•	•	•		•	•	•	
	L589222 - Dual			•	•	•	•	•	•	•	•	•	•		•	•	•		•	•	•	
	L589094 - Joystick	•	•																			
	L589095 - Joystick	•	•																			
Power Switch Box	L559036 - 12V/24V					•		•		•		•			•		•					
	L559037 - 24V/48V															•			•			
	L559038 - 12V/24V H																	•		•		
Spare Propellers	L589451 110TT Propeller	•																				
	L589151 140TT Propeller		•	•																		
	L589351 185TT Propeller				•	•	•	•	•	•	•	•	•									
	L589551 250TT LH Propeller														•	•	•	•				
	L589552 250TT RH Propeller														•	•	•	•				
	L589751 300TT LH Propeller																		•	•	•	•
	L589750 300TT RH Propeller																		•	•	•	•
Spare Drive Pins	L559107 110TT Drive pin	•																				
	L559018 140TT Drive pin		•	•																		
	L559017 185TT Drive pin				•	•	•	•	•	•	•	•	•									
Spare Motor Support Brackets	L589096 140TT Support Bkt		•	•																		
	L589064 185TT Support Bkt				•	•	•	•	•	•	•	•	•									
	L589066 250TT Support Bkt													•	•	•						
	L589065 300TT Support Bkt																	•	•	•		

Special prop for steel tubes available -
Part no. L589351S (185TT Thrusters)



HATCHES & PORTLIGHTS

HATCHES

Manufactured from the highest quality materials, Lewmar hatches feature a unique integral seal that makes them completely leak-proof. They are rigorously tested for performance and designed for easy, one-piece installation. Friction levers hold your hatch open at any angle up to 95° and allow 180° opening (170° on round hatches) for easy access.

- Soft, fluid styling
- Comprehensive range
- Self supporting lids
- Unique seal system
- Simple maintenance
- Locking handles
- External access on larger hatches
- Hatch vent position
- Trim kits (optional extra) provide a clean finish to any installation



TELESCOPIC STAY

Lewmar's Telescopic Stay features excellent lid positioning and rigid control. The stay allows hatch opening up to 95° – an advantage on smaller to mid size yachts where deck space is a premium.

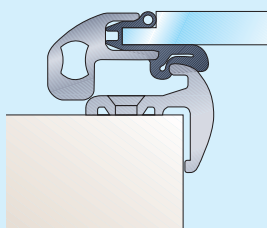
- A** Outside handles allow the hatch to be opened from on deck if it is not locked (does not apply to all Ocean hatches).
- B** Anodised aluminium frame for corrosion resistance
- C** Curved upper frame for strength as well as modern styling.
- D** Unique seal system. The seal and acrylic are fitted into the frame to produce a stronger, more leak proof hatch.
- E** Friction levers hold the lid open in any position up to 95° and allows 180° opening (170° on round hatches), for easy access. It mechanically attaches the acrylic to the frame.

Maintenance

Acrylic or seal can be replaced by sliding the two halves of the frame apart. Look for this icon on relevant pages.



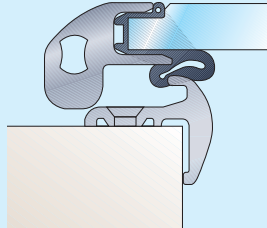
HATCH PROFILES



LOW PROFILE HATCH

The Low Profile hatch has soft styling and sleek looks. Smaller ventilation hatches are suitable for mounting on any sailboat deck location whilst larger hatches can be used as foredeck hatches on smaller yachts.

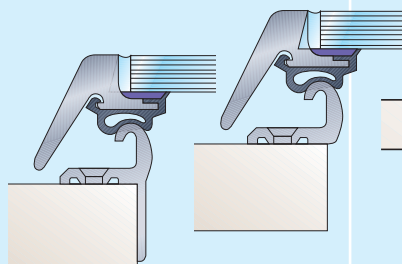
See pages 25 & 26



MEDIUM PROFILE HATCH

Utilising thicker acrylic and deeper frame sections, the Medium Profile hatch provides greater strength and durability whilst echoing the sleek styling of the Low Profile hatches. It is ideal as a foredeck hatch on larger offshore yachts.

See page 27



OCEAN HATCH

The Ocean Hatch has classical styling and rugged construction for ultimate protection against the elements. Lewmar's Ocean hatches are fitted to thousands of boats throughout the world. Two Profiles available - with or without flange.

See page 28



FLUSH HATCH

Made especially for boat builders preparing recessed hatch openings. The hatch fits seamlessly into a specially designed recess in the deck. The precision of the fit makes for a sleek, modern look and means no more stubbed toes for boat owners.

See page 29

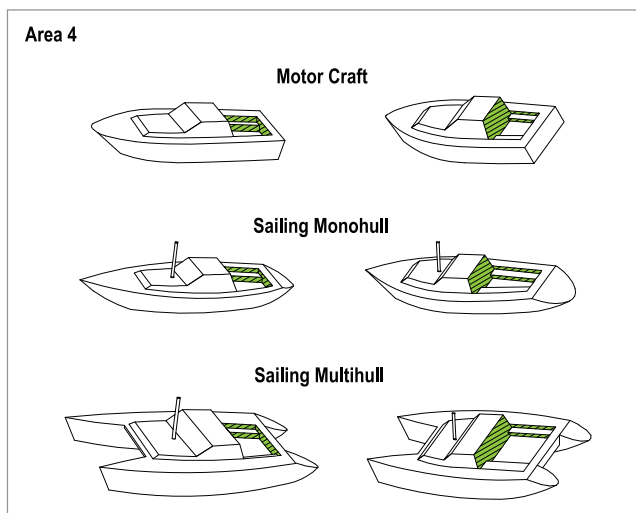
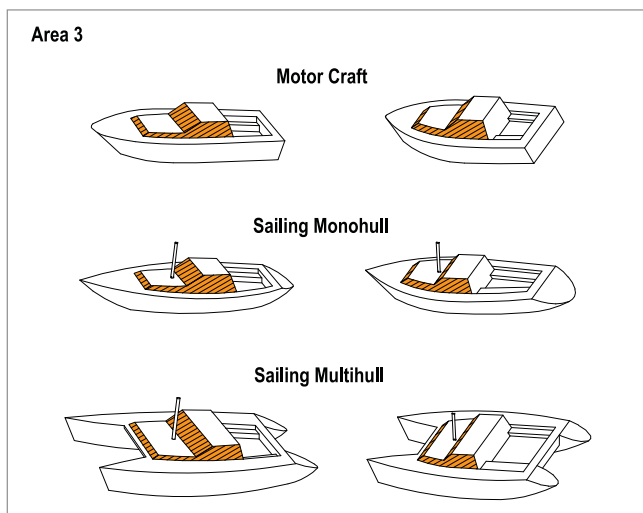
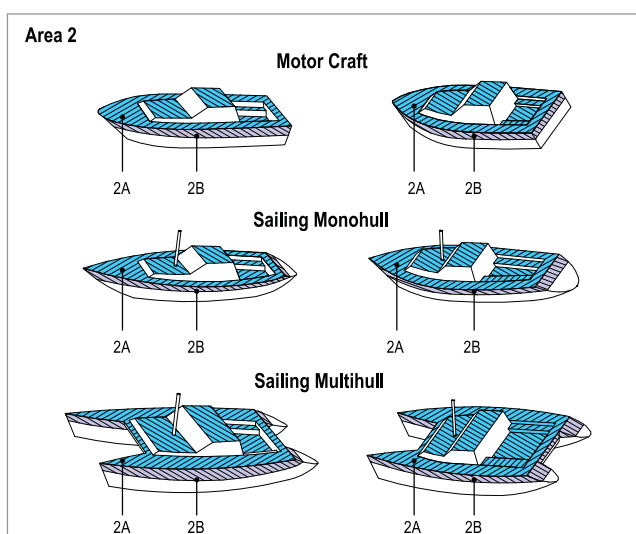
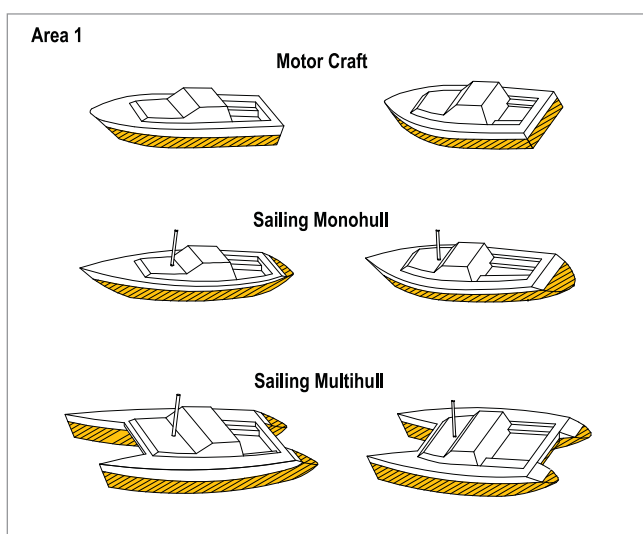
HATCHES & PORTLIGHTS

CE REGULATIONS

The CE Regulations apply to craft up to 24m in length that are sold in the European Union. Although the Regulations may not apply to your boat, they are a useful guide for small craft throughout the world.

- The Regulations have Design Categories for boats based on their intended usage and propulsion (sail or power). Boats built to CE Regulations are fitted with a plate showing the Design Category.
- All Lewmar hatches and portlights are for Design Category A (Ocean Sailing) or Design Category B (Offshore Sailing).
- The Regulations divide up the hull and deck into four specific 'areas'. These are shown below.

- For craft with a freeboard greater than 1/12 of its overall length, the hull is split into Area 1 and Area 2B. Please refer to the Recreational Craft Directive 94/25/EC.
- A product that is suitable for fitting to an area for which it is approved is suitable for all the areas below its category. For example, a portlight that is approved for Area 2A may also be fitted to Areas 3 and 4, but not Areas 1 or 2B.
- All the hatches and portlights in this publication are CE Approved for the areas indicated on the product pages.
- Lewmar warranties are invalid if the product is installed in an area where it is not intended, and if the installation fails to meet the requirements of the CE Regulations.



Hatches

Description	Sizes	Category	Area
Low Profile	All	A	2a, 3 & 4
Medium Profile	All	A	2a, 3 & 4
Ocean Hatch	All	A	2a, 3 & 4
Flush Hatch	All	A	2a, 3 & 4
Pilot Hatch	All	A	3 & 4

Portlights

Description	Sizes	Category	Area
Standard	All	A	2a, 3 & 4
Atlantic	10, 30, 32	A	1, 2, 3 & 4
Atlantic	40, 60	A	2a, 3 & 4
Stainless	0,1,1re,7re,8	A	2a, 3 & 4
Stainless	0,1,1re,7re,8	B	1, 2, 3 & 4
Stainless	Round	A	1, 2, 3 & 4
Flush Mitre	0, 1, 3 & 4	A	2a, 2b, 3 & 4

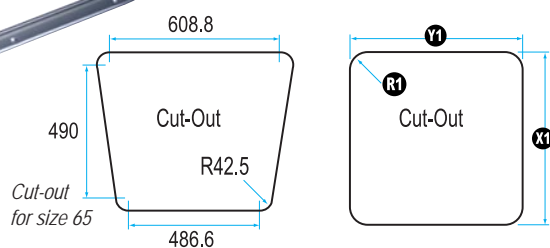
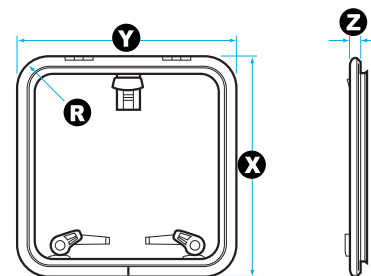


HATCHES

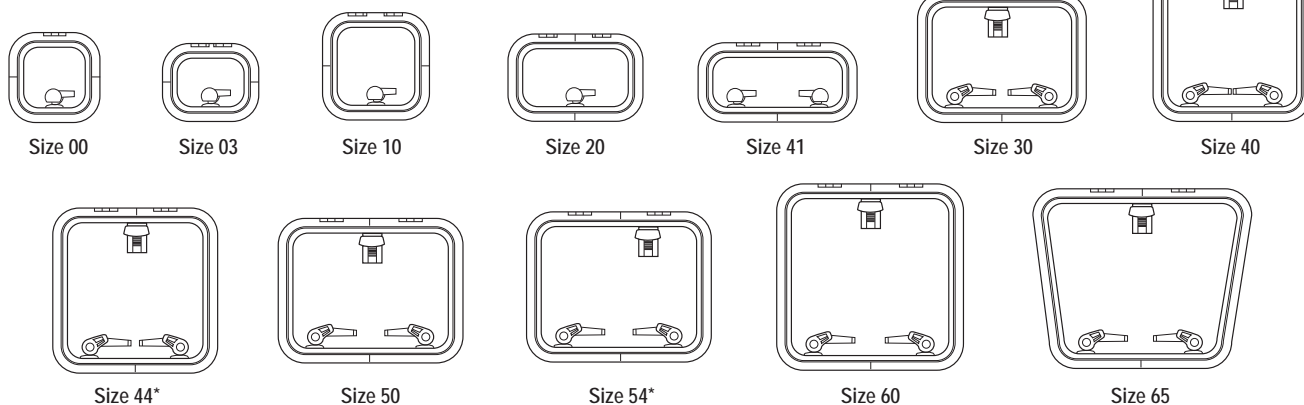
LOW PROFILE HATCH

The sleekly designed Low Profile Hatch is ideal for use on a powerboat. Smaller ventilation hatches are a better fit for sailboats, while the larger sizes can be used as foredeck hatches on smaller to mid size yachts.

- Outside handles allow the hatch to be opened from on deck if it is not locked
- Low profile hatches open up to 180° (round hatches open to 170°)
- Friction levers hold the lid open in any position up to 95°
- Telescopic stay options available to order
- Acrylic colour: smoke grey



See next page for
Low Profile Round &
D-Hatch versions



* Minimum size for ISO 9094 escape hatches

LOW PROFILE HATCH SPECIFICATIONS (Self Supporting Lid)

Part No.	Size	Overall Size								Cut-out Size Dimensions Change if Trimkits are used						Hatch Weight		Acrylic Window Thickness			
		Lower Frame Flange		X Length		Y Width		Z Height		R Radii		X1 Length		Y1 Width						R1 Radii	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	kg	lb	mm	in
L39900030	00	15	5/16	281	11 1/16	281	11 1/16	25	1	72.5	2 7/8	211	8 5/16	211	8 5/16	42.5	1 11/16	1.6	3.5	8	5/16
L39903030	03	15	5/16	246	9 11/16	301	11 7/8	25	1	72.5	2 7/8	176	6 15/16	231	9 1/8	42.5	1 11/16	1.6	3.5	8	5/16
L39910030	10	15	5/16	330	13	330	13	25	1	72.5	2 7/8	260	10 1/4	260	10 1/4	42.5	1 11/16	2.2	4.9	8	5/16
L39920030	20	15	5/16	272	10 11/16	417	16 7/16	25	1	72.5	2 7/8	202	7 15/16	347	13 11/16	42.5	1 11/16	2.3	5.1	8	5/16
L39930030	30	15	5/16	397	15 5/8	527	20 3/4	25	1	72.5	2 7/8	327	12 7/8	457	18	42.5	1 11/16	4.2	9.3	8	5/16
L39940030	40	15	5/16	491	19 5/16	491	19 5/16	25	1	72.5	2 7/8	421	16 9/16	421	16 9/16	42.5	1 11/16	4.6	10.1	8	5/16
L39941030	41	15	5/16	246	9 11/16	491	19 5/16	25	1	72.5	2 7/8	176	6 15/16	421	16 9/16	42.5	1 11/16	2.5	5.5	8	5/16
L39944030	44	15	5/16	512	20 3/16	512	20 3/16	25	1	72.5	2 7/8	442	17 3/8	442	17 3/8	42.5	1 11/16	4.8	10.6	8	5/16
L39950030	50	15	5/16	447	17 5/8	577	22 11/16	25	1	72.5	2 7/8	377	14 13/16	507	19 15/16	42.5	1 11/16	4.8	10.6	8	5/16
L39954030	54	15	5/16	462	18 3/16	577	22 11/16	25	1	72.5	2 7/8	392	15 7/16	507	19 15/16	42.5	1 11/16	4.9	10.8	8	5/16
L39960030	60	15	5/16	577	22 11/16	577	22 11/16	25	1	72.5	2 7/8	507	19 15/16	507	19 15/16	42.5	1 11/16	6.4	14.1	10	3/8
L39965030	65	15	5/16	560	22 11/16	See below**		25	1	72.5	2 7/8	See Drawing				42.5	1 11/16	6.5	14.3	10	3/8

**Width 560mm min 675mm max (22 11/16 min 26 7/8 max)

1. Hatches should be fitted to a flat surface with a maximum tolerance of $\pm 1\text{mm}$
2. Fastening size for lower frame section use 5mm CSK screws No. 10 UNC 2BA

3. Fastening size at the hinge section use M6 (1/4")
4. Cut-out dimensions change if a Trimkit is used

SEALS & ACRYLICS AVAILABLE
CALL US ON 023 8045 4045

LEWMAR

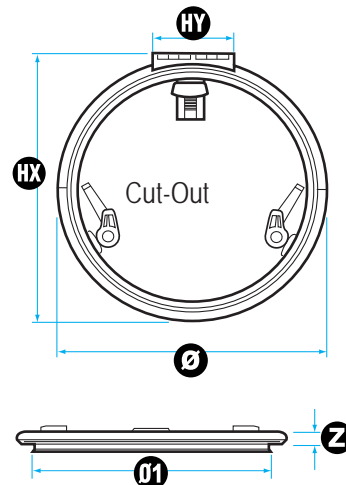
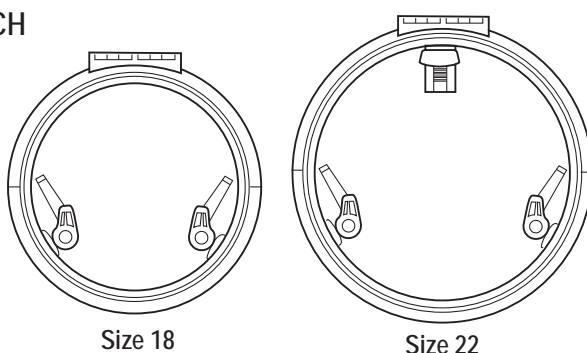
Low Profile Round & D-Hatch Hatches



Aquafax

HATCHES

LOW PROFILE ROUND HATCH

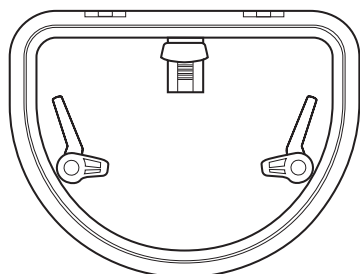


LOW PROFILE ROUND HATCH SPECIFICATIONS

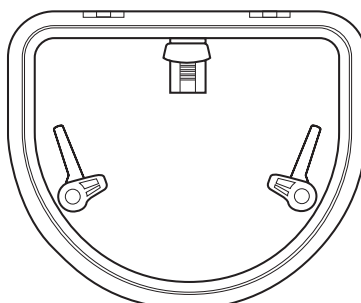
Part No.	Size	Lower Frame Flange		Overall Size						Cut-out Size Dimensions Change if Trimkits are used		Hatch Weight		Acrylic Window Thickness			
				Ø		Z		HX		HY						Ø1	
		Diameter mm	in	Height mm	in	Hinge Length mm	in	Hinge Width mm	in	Diameter mm	in	kg	lb	mm	in		
L39918030	18	15	5⁄16	490	19 ¹⁵ ⁄16	25	1	493	19 ⁷ ⁄16	141	5 ⁹ ⁄16	420	16 ⁵ ⁄16	3.8	8.4	8	5⁄16
L39922030	22	15	5⁄16	588	23 ¹ ⁄8	25	1	591	23 ¹ ⁄4	173	6 ¹³ ⁄16	518	20 ³ ⁄8	5.8	12.8	8	5⁄16

1. Hatches should be fitted to a flat surface with a maximum tolerance of ± 1 mm
2. Fastening size for lower frame section use 5mm CSK screws No. 10 UNC 2BA
3. Fastening size at the hinge section use M6 ($\frac{1}{4}$ ")
4. Cut-out dimensions change if a Trimkit is used

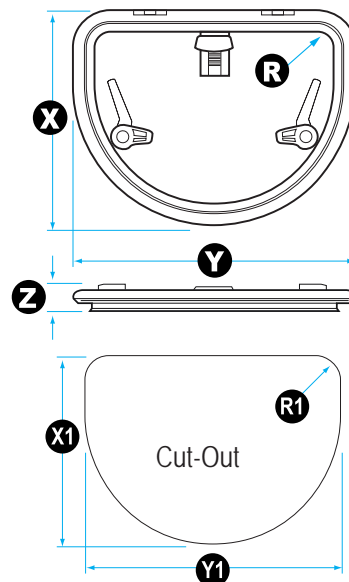
LOW PROFILE D-HATCH



Size 51



Size 64



LOW PROFILE D-HATCH SPECIFICATIONS

Part No.	Size	Overall Size						Cut-out Size Dimensions Change if Trimkits are used				Hatch Weight		Acrylic Window Thickness	
		Lower Frame Flange	X	Y	Z	R	X1	Y1	R1	Hatch Weight		kg	lb	mm	in
L39951030	51	15 1/16	448 17 3/8	588 23 3/8	25 1	72.5 2 7/8	378 14 7/8	518 20 3/8	42.5 1 11/16	5.5	12.1	8	5/16		
L30067300	64	15 1/16	500 19 11/16	600 23 3/8	25 1	72.5 2 7/8	430 16 15/16	530 20 7/8	42.5 1 11/16	6.4	14.1	8	5/16		

1. Hatches should be fitted to a flat surface with a maximum tolerance of ± 1 mm
2. Fastening size for lower frame section use 5mm CSK screws No. 10 UNC 2BA
3. Fastening size at the hinge section use M6 ($\frac{1}{4}$ ")
4. Cut-out dimensions change if a Trimkit is used

Part No.s in red = TO ORDER ONLY

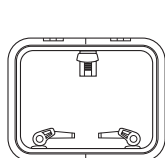
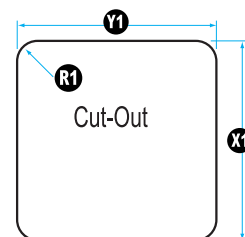
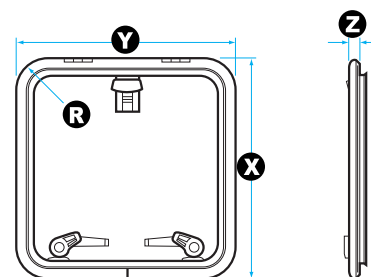


HATCHES

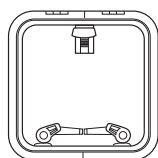
MEDIUM PROFILE HATCH

Ideal as foredeck hatch on larger offshore yachts, the Medium Profile has thicker acrylic and deeper frame sections for greater strength and durability. It features Lewmar's unique sealing system, allowing for easy acrylic replacement. All while retaining the smooth, modern lines of the Low Profile Hatch.

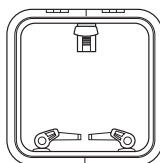
- Outside handles allow the hatch to be opened from on deck if it is not locked
- Friction levers hold the lid open in any position up to 95° (hatch opens up to 180°)
- Acrylic colour: smoke grey



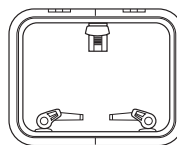
Size 30



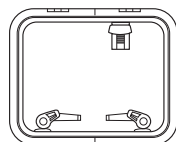
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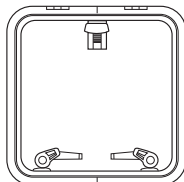
Size 44*



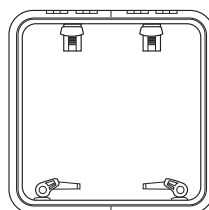
Size 50



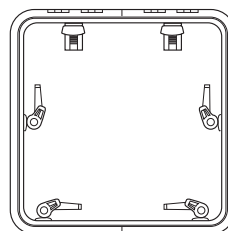
Size 54*



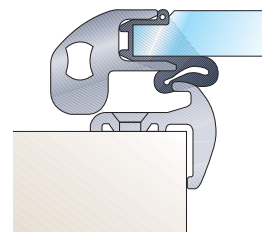
Size 60



Size 70



Size 77



* Minimum size for ISO 9094 escape hatches

MEDIUM PROFILE HATCH SPECIFICATIONS

Part No.	Size			Overall Size								Cut-out Size Dimensions Change if Trimkits are used						Hatch Weight kg lb		Acrylic Window Thickness mm in	
				Lower Frame Flange		X Length		Y Width		Z Height		R Radii		X1 Length		Y1 Width					
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		
L39930020	30	15	⅝	397	15⅝	527	20¾	32	1¼	78	3⅜	327	12⅞	457	18	42.5	1⅞	5.0	11.1	12	½
L39940020	40	15	⅝	492	19⅜	492	19⅜	32	1¼	78	3⅜	421	16⅞	421	16⅞	42.5	1⅞	5.9	13.0	12	½
L39944020	44	15	⅝	513	20⅜	513	20⅜	32	1¼	78	3⅜	442	17⅞	442	17⅞	42.5	1⅞	6.4	14.1	12	½
L39950020	50	15	⅝	448	17⅞	578	22¼	32	1¼	78	3⅜	377	14⅜	507	19⅝	42.5	1⅞	6.3	13.9	12	½
L39954020	54	15	⅝	463	18¼	578	22¼	32	1¼	78	3⅜	392	15⅞	507	19⅝	42.5	1⅞	6.5	14.3	12	½
L39960020	60	15	⅝	578	22¾	578	22¾	32	1¼	78	3⅜	507	19⅝	507	19⅝	42.5	1⅞	7.8	17.2	12	½
L39970020	70	15	⅝	698	27½	698	27½	32	1¼	78	3⅜	627	24⅞	627	24⅞	42.5	1⅞	10.6	23.4	12	½
L39977020	77	15	⅝	770	30⅝	770	30⅝	32	1¼	78	3⅜	699	27½	699	27½	42.5	1⅞	12.7	28.0	12	½

Part No.s in red = TO ORDER ONLY

1. Hatches should be fitted to a flat surface with a maximum tolerance of ± 1 mm
2. Fastening size for lower frame section use 5mm CSK screws No. 10 UNC 2BA

3. Fastening size at the hinge section use M6 (1/4") bolts
4. Cut-out dimensions change if a Trimkit is used

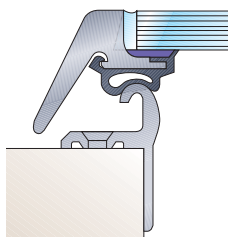
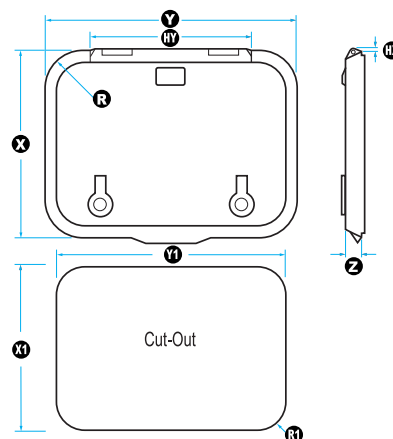


HATCHES

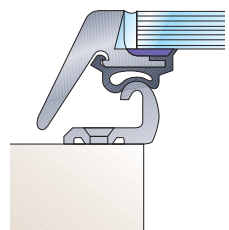
OCEAN HATCH

With its classic style, the Ocean Hatch is fitted to thousands of boats around the world. It's rugged construction provides the ultimate protection against the elements, whatever conditions you might face.

- Friction levers hold the lid open in any position up to 95° (hatch opens up to 180°)
- Acrylic colour: smoke grey



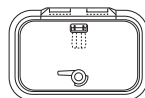
Ocean Profile Flange Base



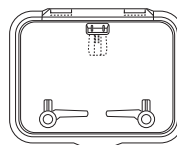
Ocean Profile Flat Base



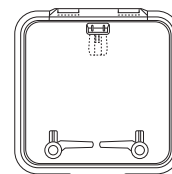
Size 10



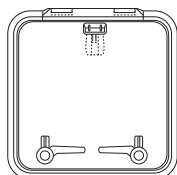
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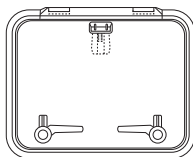
Size 30



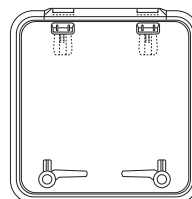
Size 40



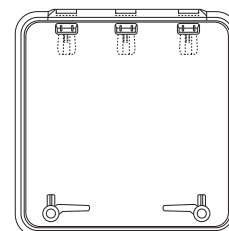
Size 44*



Size 50



Size 60



Size 70

* Minimum size for ISO 9094 escape hatches

OCEAN HATCH SPECIFICATIONS

Part No.	Size	Lower Frame	Overall Size						Cut-out Size Dimensions			Hatch Weight kg lb	Acrylic Window Thickness mm in
			X Length mm in	Y Width mm in	Z Height mm in	R Radii mm in	HX Hinge Length mm in	HY Hinge Width mm in	X1 Length mm in	Y1 Width mm in	R1 Radii mm in		
L39610050	10	Flat Base	324	324	39.5	75	5	138	255	255	40	2.26 5.77	10 3/8
L39610070		25mm/1" Flange	324	324	39.5	75	5	138	260	260	42.5		
L39620050	20	Flat Base	266	411	39.5	69	5	255	197	342	34	2.74 6.04	10 3/8
L39620070		25mm/1" Flange	266	411	39.5	69	5	255	202	347	36.5		
L39630050	30	Flat Base	391	521	39.5	75	5	355	322	452	40	4.5 9.9	10 3/8
L39630070		25mm/1" Flange	391	521	39.5	75	5	355	327	457	42.5		
L39640050	40	Flat Base	485	485	39.5	75	5	299	416	416	40	4.76 10.5	10 3/8
L39640070		25mm/1" Flange	485	485	39.5	75	5	299	421	421	42.5		
L396440050	44	Flat Base	509	509	43	76	4	302	437	437	40	5 11	12 1/2
L39644070		25mm/1" Flange	509	509	43	76	4	302	442	442	42.5		
L39650050	50	Flat Base	444	574	43	76	4	367	372	502	40	7.3 16.1	12 1/2
L39650070		25mm/1" Flange	444	574	43	76	4	367	377	507	42.5		
L39660050	60	Flat Base	574	574	43	76	4	367	502	502	40	8 17.6	12 1/2
L39660070		25mm/1" Flange	574	574	43	76	4	367	507	507	42.5		
L39670050	70	Flat Base	694	694	43	76	4	487	622	622	40	10.8 23.8	12 1/2
L39670070		25mm/1" Flange	694	694	43	76	4	487	627	627	42.5		

- Hatches should be fitted to a flat surface with a maximum tolerance of $\pm 1\text{mm}$
- Fastening size for lower frame section use 5mm CSK screws No. 10 UNC 2BA

- Fastening size at the hinge section use M6 (1/4")
- Flat base hatches cannot be used with Trim kits or Roller shades



HATCHES

FLUSH HATCH

Lewmar pioneered the high-volume flush hatch platform back in 2006, bringing what was then Superyacht styling into mainstream boat production. The precision of the fit makes for a sleek, modern look and means no more stubbed toes for boat owners.

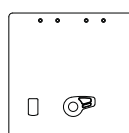
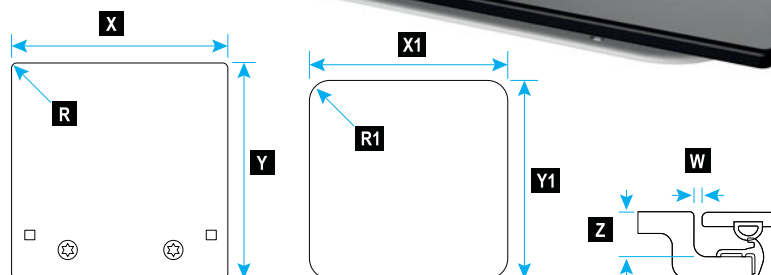
- Clean aesthetics
- EPDM seal provide completely watertight structure
- Water drained effortlessly away by deck-moulded channels
- Strong, stylish handles and hinges
- Trimkit fit all standard sizes
- Custom and other sizes available to order
- Full range of spare parts available

Flush Hatch Standard Specifications

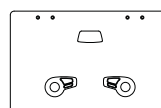
- White lower frame
- Black exterior moulding
- Grey Interior moulding
- Grey Acrylic
- Size 20 supplied with friction lever
- Other sizes use 1 or 2 stays



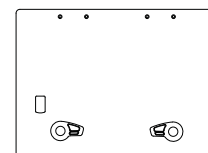
Dark grey acrylic and optional stainless steel fittings available on request.



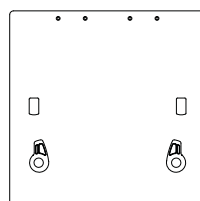
Size 10



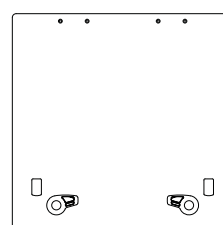
Size 20



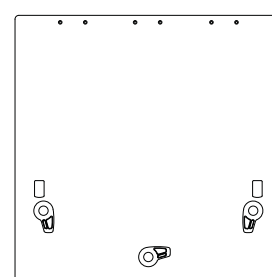
Size 30



Size 44*



Size 60



Size 70

* Minimum size for ISO 9094 escape hatches.

FLUSH HATCH SPECIFICATIONS

Part No.	Size	W Lower Frame Flange mm in	W Hinge Gap mm in	Overall Dimensions						Cut-out Size Dimensions Change if Trimkits are used			Acrylic Window Thickness mm in	Hatch Weight kg lb
				X Width mm in	Y Length mm in	Z Height mm in	R Radii mm in	X1 Length mm in	Y1 Width mm in	R1 Radii mm in				
L39910012	10	15 5/16	11 1/64	330 13	330 13	31 1 1/4	10 3/8	260 10 1/4	260 10 1/4	42.5 1 11/16	12 1/2	2.3 5		
L39920012	20	15 5/16	11 1/64	417 16 7/16	272 10 11/16	31 1 1/4	10 3/8	347 13 11/16	202 7 15/16	42.5 1 11/16	12 1/2	2.4 5.3		
L39930012	30	15 5/16	11 1/64	527 20 3/4	397 15 5/8	31 1 1/4	10 3/8	457 18	327 12 7/8	42.5 1 11/16	12 1/2	4.7 10.3		
L39944012	44	15 5/16	11 1/64	512 20 3/16	512 20 3/16	31 1 1/4	10 3/8	442 17 3/8	442 17 3/8	42.5 1 11/16	12 1/2	5.4 12		
L39960012	60	15 5/16	11 1/64	577 22 11/16	577 22 11/16	31 1 1/4	10 3/8	507 19 15/16	507 19 15/16	42.5 1 11/16	15 5/16	7.1 16		
L39970012	70	15 5/16	11 1/64	697 27 1/2	697 27 1/2	31 1 1/4	10 3/8	627 24 11/16	627 24 11/16	42.5 1 11/16	15 5/16	11 24		

Part No.s in red = TO ORDER ONLY

1. Hatches should be fitted to a flat surface with a maximum tolerance of +/-1mm
2. Cutout dimensions changes if a trim is used: Add 4mm to X1 & Y1 and 2mm to R1. Refer to p.30 for more info on trim

3. Fastening size for lower frame section use 5mm CSK screws No. 10 UNC 2BA
4. Fastening size at the hinge section use M6 (1/4")

Hatch Accessories



Aquafax

HATCH ACCESSORIES

ABS PLASTIC TRIM AND FLYSCREEN

Trimkits provide an easy and stylish way of finishing a hatch installation inside the cabin. The Trimkits come complete with a flyscreen to prevent mosquitoes entering the boat.



Hatch Size	Plastic Trimkit	
	Ivory Trim	White Trim
00 Low Profile*	L367400552	L367400252
00 Ocean	L367600552	L367600252
03	L367403552	L367403252
10	L367410552	L367410252
18 Round	L367618552	L367618252
20 Low Profile*	L367420552	L367420252
20 Ocean	L367620552	L367620252
22 Round	L367622552	L367622252
30	L367630552	L367630252
40	L367640552	L367640252
41	L367441552	L367441252
44	L367644552	L367644252
50	L367650552	L367650252
51	n/a	L367651252
54	L367654552	L367654252
60	L367660552	L367660252
65	L367665552	L367665252
70	L367670552	L367670252

* Note does not fit Ocean hatch, Rollstop or Superhatch

CUT OUT DIMENSIONS & DECK THICKNESS REQUIREMENTS

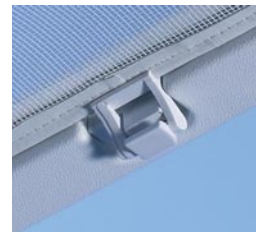
	Plastic TrimKit
Cut out Dimension Increase**	Add 4mm to X1 & Y1 add 2mm to R1
Ocean	Min. hull thickness = 25mm Max. hull thickness = 72mm
For Low & Medium Profile:	Min. hull thickness = 15mm Max. hull thickness = 62mm

**Cutout dimensions for hatches are shown on their relevant pages

NOTE: Can only be fitted to boats with a headlining. Cannot be used on flat base Ocean hatches.

FLYSCREEN HINGE KIT

The flyscreen hinge makes it easier to quickly access the hatch handles when the flyscreen is in place. It is only necessary to undo two tabs and the flyscreen will hinge down – and not fall out. The flyscreen can be removed and stowed separately if required. Hinges are also available as retro fit items.



Description	Plastic Trimkit	
	Ivory Trim	White Trim
Retro Fit Kit	L361196995	L361196992



RETRO FIT VENT

The vent can be fitted to the acrylic lens of any Lewmar hatch or to the deck.

- Fits to hatch or deck
- Made from the same rugged composite used in many Lewmar hatch and winch parts
- Styled to match the Low & Medium Profile hatches
- Captive bung to close the ventilator - it cannot be lost
- Fits deck thickness to 100mm
- Tested to CE ISO 12216 and leak tested
- No sealant required for hatch fitting

Grey Part No. L361041990

Black Part No. L361041992



RETRO FIT LOCK & KEY KIT

The retro fit lock and key kit can be fitted to any Lewmar Hatch by drilling a hole through the acrylic and riveting a catch block to the lower frame.

The lock and key are marinated to prevent corrosion.

Part No. L360259990



TELESCOPIC STAY

Lewmar's Telescopic Stay features excellent lid positioning and rigid control. The stay allows hatch opening up to 95° - an advantage on smaller to mid size yachts where deck space is at a premium.

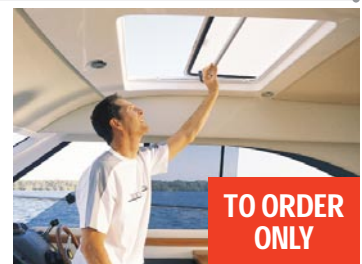
Grey Part No. L360918999

Black Part No. L360918992

PILOT HATCH

A sliding hatch styled to match the Low and Medium Profile hatches, it is designed for use on the Wheelhouse or Cockpit canopy of a power craft. The hatch opens up enclosed steering positions, allowing fresh air to the helm and crew. Unlike a hatch with a hinged lid, the handle on the Pilot Hatch never moves out of reach or requires lifting from a difficult angle when fully open.

The lid is moved using a single handlebar that also rotates to seal down the hatch. When full ventilation is not required, the lid can also be secured with a 5cm opening.

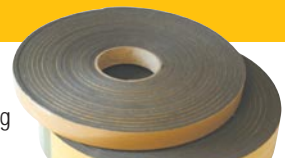


TO ORDER ONLY

CLOSED CELL FOAM TAPE

Grey expanded polyethylene with self adhesive waterproof backing. Density: 33kgm³.

Can be used to form a weather tight seal when installing windows, portholes, deck hatches, ventilators etc.



Part No.	Qty	Width	Thickness	Length	Uses
5-77502	25 Coils	12mm (1/2")	3mm	15m	Sealing Fittings, Windows, Track etc.
5-77509	15 Coils	19mm (3/4")	3mm	15m	
5-77500*	1 Roll	20mm (3/4")	3mm	25m	Sealing windows

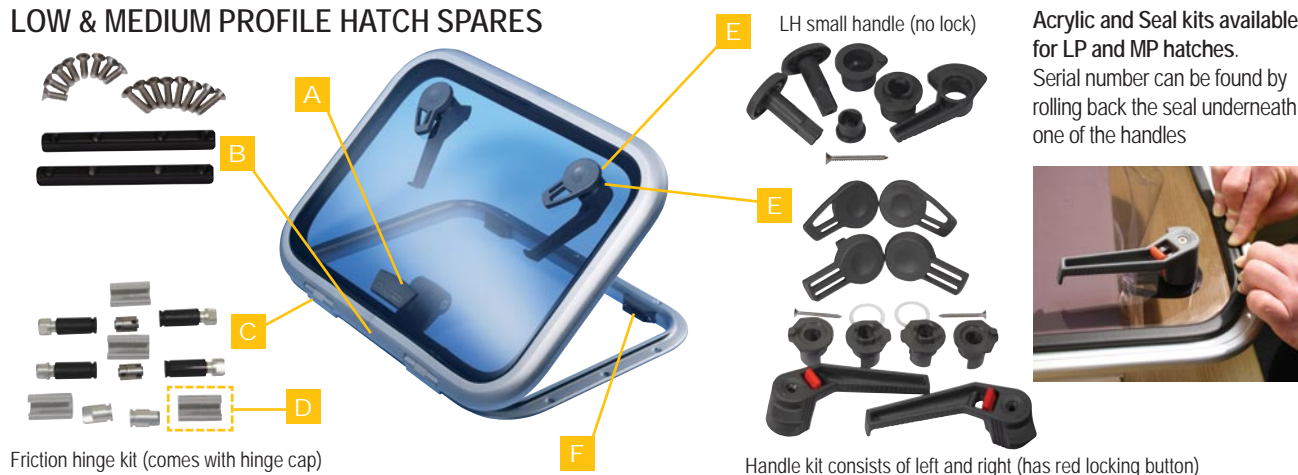
* Black medium density (200kgm³) reverse wound PVC self adhesive foam strip

For single rolls add /1 to the part number



HATCH SPARES

LOW & MEDIUM PROFILE HATCH SPARES



LP	MP	A	B	C	D	E		F
		Friction Lever Large	Joiner for Upper Frame (keeps 2 parts of frame together)	Hinge Kit - Mk.1 & Mk 2 - Friction Version	Hinge Caps (bag of 10)	Handle Kit Small Left Hand	OC+MP+LP Large Handle Kit	
0	-	-	L360925999	L361263999	L361027999	L360255990	-	L360924990
3	-	-	L360925999	L361263999	L361027999	L360255990	-	L360924990
10	-	-	L360925999	L361263999	L361027999	L360255990	-	L360924990
18	-	-	L360925999	L361263999	L361027999	-	L361680990	L360924990
20	-	-	L360925999	L361263999	L361027999	L360255990	-	L360924990
22	-	L360917990**	L360926999	L361263999	L361027999	-	L361680990	L360924990
30	30	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
40	40	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
41	-	-	L360925999	L361263999	L361027999	L360255990	-	L360924990
44	44	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
50	50	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
51	-	-	L360926999	L361263999	L361027999	-	L361680990	L360924990
54	54	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
60	60	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
64	-	-	L360926999	L361263999	L361027999	-	L361680990	L360924990
65	-	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
66	-	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
70	-	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990
77	-	L360917990**	L360925999	L361263999	L361027999	-	L361680990	L360924990

** L361207999 Large Lever gaskets x 20

OCEAN HATCH SPARES

Ocean	A		B		C	D
	Handle Kit - Small Left Hand	OC+MP+LP Large handle kit	Friction Lever Kit - Small	Friction Lever Kit - Large		
10	L360255990	-	L360271990**	-	L360236999	L360060990
20	L360255990	-	L360271990**	-	L360236999	L360060990
30	-	L361680990	-	L360272990**	L360237999	L360060990
40	-	L361680990	-	L360272990**	L360237999	L360060990
44	-	L361680990	-	L360273990**	L360237999	L360060990
50	-	L361680990	-	L360273990**	L360237999	L360060990
54	-	L361680990	-	L360273990**	L360237999	L360060990
60	-	L361680990	-	L360273990**	L360237999	L360060990
65	-	L361680990	-	L360273990**	L360237999	L360060990
66	-	L361680990	-	L360273990**	L360237999	L360060990
70	-	L361680990	-	L360273990**	L360239999	L360060990
77	-	L361680990	-	L360273990**	L360241999	L360060990

**Pack of 20 small lever gaskets for size 10 & 20 Ocean hatches - Part No. L361206999

Pack of 20 large lever gaskets for size 30 Ocean hatches upwards - Part No. L361207999



LID ASSEMBLY KITS AVAILABLE FOR OCEAN HATCHES

Replacement hatch lids, acrylics and spares available

Atlantic Portlights

Aquafax

PORTLIGHTS

PORTLIGHTS

Available in a range of sizes, Lewmar Portlights provide solutions for coastal and ocean power and sailboats in CE Areas 1 & 2. They can open at many angles, feature interior trim mouldings and come in a range of frame colour options so you can find the perfect match for your boat.

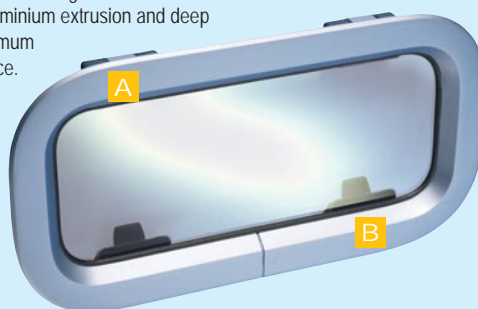
• Quick Action handles

Portlight handles apply the correct pressure evenly onto the seal in the closed position. Portlight handles are unable to vibrate open when in the closed position

• Friction Hinges

Lewmar's hinges provide a choice of open positions with no knobs, stays or straps. Hinges and other moving parts are corrosion-free.

A Standard and Atlantic Portlight inner and outer frames are made from aluminium extrusion and deep anodised for maximum corrosion resistance.



B Water drainage – external frame design ensures water drains away, even when mounted on an angle, preventing water entering the boat upon opening the Portlight.

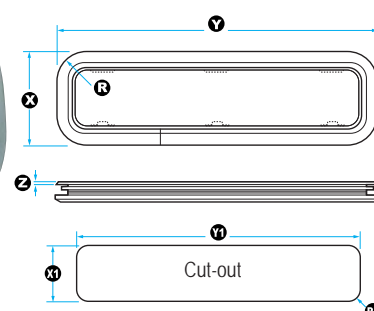
ATLANTIC PORTLIGHT

The Atlantic Portlight has clean lines and a clear vision acrylic window (smoke grey colour), housed in an attractive aluminium frame.

- Stronger aluminium outer frame with single welded joint
- Flyscreens provided as standard
- Friction hinges hold the window open
- Clip handles



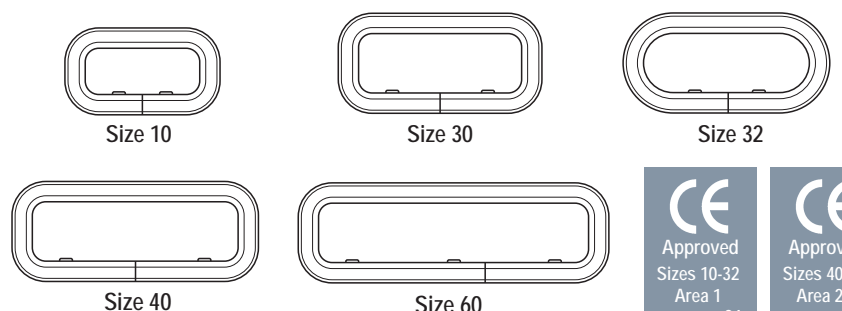
TO ORDER ONLY



PORTLIGHT VALANCE & FASTENING

Hull Thickness	Valance Type	Fastening
8-10mm	Thin Hull	L360360999*
11-15mm	Valance	M5 x 12mm Long L360361999
16-19mm	Thick Hull	M5 x 16mm Long L360362999
20-24mm	Valance	M5 x 20mm Long L360363999† M5 x 25mm Long

* Supplied as standard with thin hull valances
† Supplied as standard with thick hull valances
Fastenings supplied in bags of 100.



ATLANTIC PORTLIGHT SPECIFICATIONS (Version - All Opening)

Part No.s in red = **TO ORDER ONLY**

Thin Valance Part No.	Thick Valance Part No.	Size	X Length mm in	Y Width mm in	Z Height mm in	R Radii mm in	Cut-out Size Dimensions	Hatch Weight kg lb	Acrylic Window Thickness mm in
L39110090	L39110070	10	174 6 7/8	304 12	6 1/4	71 2 13/16	154 6 1/8 284 11 3/8 61 2 3/8	1.6 3.5	8 5/16
L39130090	L39130070	30	200 7 7/8	400 15 3/4	6 1/4	71 2 13/16	180 7 1/8 380 14 5/8 61 2 3/8	2.2 4.8	8 5/16
L39132090	L39132070	32	200 7 7/8	400 15 3/4	6 1/4	100 3 15/16	180 7 1/8 380 14 5/8 90 3 3/8	2.1 4.6	8 5/16
L39140090	L39140070	40	200 7 7/8	480 18 7/8	6 1/4	71 2 13/16	180 7 1/8 460 18 3/8 61 2 3/8	2.5 5.5	8 5/16
L39160090	L39160070	60	200 7 7/8	600 23 5/8	6 1/4	71 2 13/16	180 7 1/8 580 22 13/16 61 2 3/8	3.0 6.6	8 5/16

1. Smoke grey acrylic and silver anodise frames.
2. Portlights and fixed lights should be fitted to a flat surface with a maximum tolerance of ± 1 mm

3. Portlights and fixed lights come complete with fastenings as indicated on above table
4. Portlight opening is restricted on very thick hulls.
5. At 24mm hull thickness opening angle is 115°

FLUSH MITRE PORTLIGHT

- Number of textures, angles and levels reduced to minimise the visual impact of the portlight on the boat
- Acrylic almost flush with the mounting surface
- 12mm acrylic is used to achieve the flush effect

- Flat Outer frame
- Outer frame powder coated black to camouflage with the acrylic lens

AVAILABLE TO ORDER ONLY



Flyscreens for Atlantic Portlights available to order

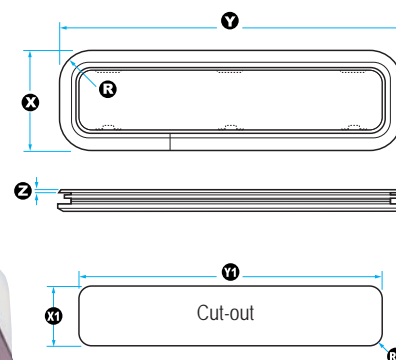


OPENING PORTLIGHTS

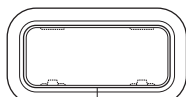
STANDARD PORTLIGHT

A perfect match for any hatch in the Lewmar range, the Standard Portlight is stylish, competitively priced and easy to both use and install.

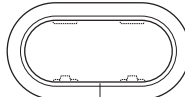
- Fitted to thousands of boats throughout the world
- Friction hinges hold the window open
- Quick-action handles
- ABS plastic inside trim can be cut to depth required
- Can be installed with sealant or closed cell PVC tape
- Cut out shape available on request
- Easily fitted by clamping the cabin sides between inner and outer frame with screws provided that are fastened into the outer frame
- Acrylic colour is smoke grey
- Complete with flyscreen (except sizes 4L and 4R)



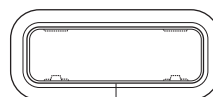
Size 0



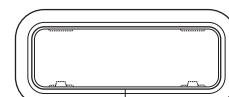
Size 1



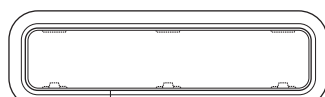
Size 1RE



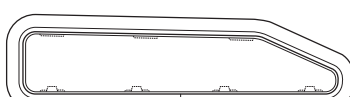
Size 2



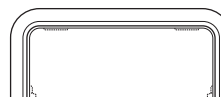
Size 3



Size 4



Size 4R



Size 5



Size 7RE

STANDARD PORTLIGHT SPECIFICATIONS

Part No.s in red = TO ORDER ONLY

Part No.	Size	Trim Colour	Overall Size				Cut-out Size Dimensions			Hatch Weight kg lb	Acrylic Window Thickness mm in	Replacement Flyscreen Part No.
			X Length mm in	Y Width mm in	Z Height mm in	R Radii mm in	X1 Length mm in	Y1 Width mm in	R1 Radii mm in			
L393020200 L393020500	0	White Ivory	176 6 ¹⁵ / ₁₆	323 12 ¹¹ / ₁₆	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	156 6 ¹ / ₈	303 11 ¹⁵ / ₁₆	52 2 ¹ / ₁₆	1.1 2.42	6 4 ¹ / ₁₆	L367302936
L393120200 L393120500	1	White Ivory	191 7 ¹ / ₂	367 14 ⁷ / ₁₆	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	171 6 ³ / ₄	347 13 ³ / ₈	52 2 ¹ / ₁₆	1.3 2.86	6 4 ¹ / ₁₆	L367312936
L393180200 L393180500	1RE	White Ivory	191 7 ¹ / ₂	367 14 ⁷ / ₁₆	4 3 ³ / ₁₆	95.5 3 ³ / ₄	171 6 ³ / ₄	347 13 ³ / ₈	85.5 3 ³ / ₈	1.3 2.86	8 5 ¹ / ₁₆	L367318936
L393220200 L393220500	2	White Ivory	176 6 ¹⁵ / ₁₆	425 16 ³ / ₄	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	156 6 ¹ / ₈	405 15 ¹⁵ / ₁₆	52 2 ¹ / ₁₆	1.4 3.08	8 5 ¹ / ₁₆	L367322936
L393320200 L393320500	3	White Ivory	191 7 ¹ / ₂	449 17 ¹¹ / ₁₆	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	171 6 ³ / ₄	429 16 ⁷ / ₈	52 2 ¹ / ₁₆	1.7 3.74	10 3 ¹ / ₈	L367332936
L393420200 L393420500	4	White Ivory	191 7 ¹ / ₂	646 25 ⁷ / ₁₆	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	171 6 ³ / ₄	627 24 ¹¹ / ₁₆	52 2 ¹ / ₁₆	2.4 5.28	8 5 ¹ / ₁₆	L367342936
L393440200 L393440500	4R	White Ivory	195 7 ¹¹ / ₁₆	708 27 ⁷ / ₈	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	175 6 ⁷ / ₈	688 27 ¹ / ₁₆	52 2 ¹ / ₁₆	2.4 5.28	8 5 ¹ / ₁₆	L367345936 Size 4L/4R (Pair)
L393460200 L393460500	4L	White Ivory	195 7 ¹¹ / ₁₆	708 27 ⁷ / ₈	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	175 6 ⁷ / ₈	688 27 ¹ / ₁₆	52 2 ¹ / ₁₆	2.4 5.28	8 5 ¹ / ₁₆	L367345936 Size 4L/4R (Pair)
L393520200 L393520500	5	White Ivory	264 10 ³ / ₈	449 17 ¹¹ / ₁₆	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	244 9 ⁵ / ₈	429 16 ⁷ / ₈	52 2 ¹ / ₁₆	2.3 5.15	10 3 ¹ / ₈	L367352936
L393780200 L393780500	7RE	White Ivory	191 7 ¹¹ / ₁₆	425 16 ³ / ₄	4 3 ³ / ₁₆	95.5 3 ¹² / ₁₆	171 6 ³ / ₄	405 15 ¹⁵ / ₁₆	85.5 3 ³ / ₈	2.4 5.28	8 5 ¹ / ₁₆	L367378936

1. Maximum hull thickness 34mm 2. Minimum hull thickness 7mm 3. All portlights are supplied with 12 off M5 x 25 screws for hull thickness 17-25mm
4. Portlights should be fitted to a flat surface +/-1mm 5. Acrylic colour is Smoke Grey

Stainless Portlights

Aquafax

PORTLIGHTS

STAINLESS PORTLIGHTS

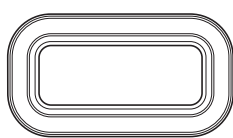
With its highly polished stainless outer frame (with no joint), the Stainless Portlight will really shine on your boat. The handles and hinge system were designed to leave the lens clear of obstructions, giving it an uncluttered view and a clean, modern look.

- Complete with flyscreen

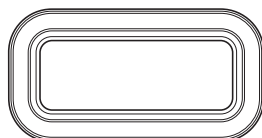
- ABS plastic inside trim can be cut to depth required
- Quick-action clip handles
- Friction hinges hold open the window
- Can be installed with sealant or closed cell PVC tape
- Acrylic colour: smoke grey
- Easily fitted by clamping the cabin sides between inner and outer frame with screws provided that are fastened into the outer frame



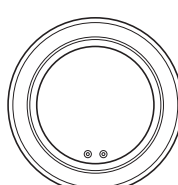
TO ORDER ONLY



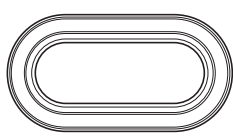
Size 0



Size 1



Round 250mm



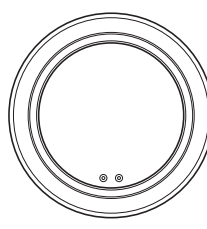
Size 1RE



Size 7RE



Size 8



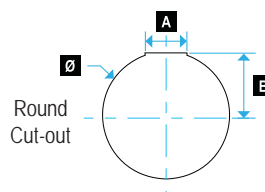
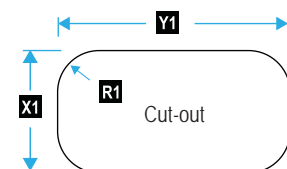
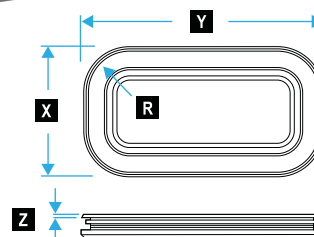
Round 296mm



Approved
Cat A
Sailboat
Area 2A
see page 24
for details



Approved
Cat B
Powerboat
Area 1
see page 24
for details



STAINLESS PORTLIGHT SPECIFICATIONS Part No.s in red = TO ORDER ONLY

Part No.	Size	Trim Colour	Version	Overall Size				Cut-out Size Dimensions				Hatch Weight kg lb		Acrylic Window Thickness mm in	
				X Length mm in	Y Width mm in	Z Height mm in	R Radii mm in	X1 Length mm in	Y1 Width mm in	R1 Radii mm in					
L393020262 L393010262	0	White White	Opening Fixed	176 6 ¹⁵ / ₁₆	323 12 ¹¹ / ₁₆	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	156 6 ¹ / ₈	303 12	52 2 ¹ / ₁₆	1.5 3.3	8 5 ¹ / ₁₀ 10 3 ³ / ₈			
L393120262 L393110262	1	White White	Opening Fixed	191 7 ¹ / ₂	367 14 ⁷ / ₁₆	4 3 ³ / ₁₆	62 2 ⁷ / ₁₆	171 6 ³ / ₄	347 13 ⁵ / ₈	52 2 ¹ / ₁₆	1.7 3.8	8 5 ¹ / ₁₀ 10 3 ³ / ₈			
L393180262 L393170262	1RE	White White	Opening Fixed	191 7 ¹ / ₂	367 14 ⁷ / ₁₆	4 3 ³ / ₁₆	95.5 3 ¹² / ₁₆	171 6 ³ / ₄	347 13 ⁵ / ₈	85.5 3 ⁶ / ₁₆	1.7 3.74	10 3 ³ / ₈			
L393780262 L393770262	7RE	White White	Opening Fixed	191 7 ¹ / ₂	425 16 ³ / ₄	4 3 ³ / ₁₆	95.5 3 ¹² / ₁₆	171 6 ³ / ₄	405 15 ¹⁵ / ₁₆	85.5 3 ⁶ / ₁₆	1.9 4.18	10 3 ³ / ₈			
L393820862 L393810862	8	Chrome Chrome	Opening Fixed	196 7 ¹¹ / ₁₆	452 17 ¹³ / ₁₆	4 3 ³ / ₁₆	n/a n/a	See drawing on Lewmar website			1.9 4.18	10 3 ³ / ₈			

1. Maximum hull thickness 30mm.
2. Minimum hull thickness 9mm.

3. All portlights are supplied with M5 x 20 screws for hull thickness 12-17mm.

4. Portlights should be fitted to a flat surface +/-1mm.
5. Complete with Flyscreen.

ROUND STAINLESS PORTLIGHT SPECIFICATIONS

Part No.	Colour	Overall Version	Overall Diameter Ø		Cut-out Diameter				Weight		Thickness	
			mm	in	Ø	A	B		kg	lb	mm	in
L30209800	Chrome	Opening	250	9 ⁷ / ₈	230 9 ⁹ / ₁₆	76 3	113 4 ⁷ / ₁₆		1.4	3	10	3 ³ / ₈
L30209900	Chrome	Opening	296	11 ⁵ / ₈	277 10 ⁷ / ₈	100 3 ¹⁵ / ₁₆	136 5 ³ / ₈		2.0	4	10	3 ³ / ₈

1. Maximum hull thickness 24mm.
2. Minimum hull thickness 8mm.

3. All portlights are supplied with M5 x 12 fastenings.

4. Portlights should be fitted to a flat surface +/-1mm.
5. No Flyscreen is available for round stainless portlight.



Approved
Area 1
see page 24



PORTLIGHT ACCESSORIES & SPARES

PORTLIGHT CLIP FLYSCREENS

STANDARD PORTLIGHT

Part No.	Description
L367302936	Flyscreen Size 0
L367312936	Flyscreen Size 1
L367318936	Flyscreen Size 1RE
L367322936	Flyscreen Size 2
L367332936	Flyscreen Size 3
L367342936	Flyscreen Size 4
L367345936	Flyscreen Size 4L/4R (Pair)
L367352936	Flyscreen Size 5
L367378936	Flyscreen Size 7RE

- Provides easy installation and removal.
- Can also be left in place when the window is closed.

Part No.s in red = TO ORDER ONLY

ATLANTIC PORTLIGHT

Part No.	Description
L367110936	Flyscreen Size 10
L367130936	Flyscreen Size 30
L367132936	Flyscreen Size 32
L367140936	Flyscreen Size 40
L367160936	Flyscreen Size 60

STAINLESS PORTLIGHT

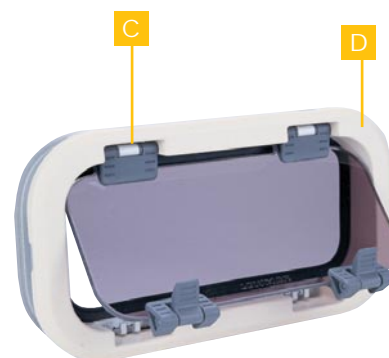
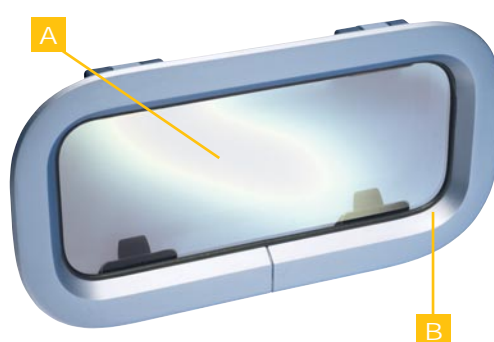
Part No.	Description
L367302966	Flyscreen Size 0
L367312966	Flyscreen Size 1
L367318966	Flyscreen Size 1RE
L367378966	Flyscreen Size 7RE
L367382966	Flyscreen Size 8 Elliptical



"NEW" STANDARD OPENING PORTLIGHT SPARES



How to identify a "new" standard portlight - the handle clicks shut.



Size	Acrylic - 1996-2000 (Smoke Grey)	A Acrylic - 2000 onward (Smoke Grey)	B Seal Kit	C Hinge Kit	Trim - Ivory	D Trim - White
0	L361703990	L360750009	L360758999	L360766099	L368302539	L368302239
1	L361704990	L360751009	L360759999	L360766099	L368312539	L368312239
1RE	L361705990	L361014009	L361015999	L360766099	L368318539	L368318239
2	L361706990	L360752009	L360760999	L360766099	L368322539	L368322239
3	L361707990	L360753009	L360761999	L360766099	L368332539	L368332239
4	L361708990	L360754009	L360762999	L360766099	L368342539	L368342239
4R	L361710990	L360756009	L360763999	L360766099	L368344539	L368344239
4L	L361709990	L360755009	L360763999	L360766099	L368346539	L368346239
7RE	L361712990	L361009009	L361010999	L360766099	L368378539	L368378239

All replacement acrylics for new standard portlights come with latch and hinge mouldings fitted.

Sizes 4R and 4L have 4 latches and hinges

OLD STANDARD OPENING PORTLIGHT SPARES



How to identify an old standard portlight - the handle rotates shut.

Size	A Acrylic - (Smoke Grey)	B Seal Kit	Hinge Pin kit (not shown)
0	L360015099	L19898500	L360001990
1	L360016099	L19898600	L360001990
2	L360017099	L19898700	L360001990
3	L360018099	L19898800	L360001990
4	L360019099	L19898900	L360001990
4R	L360244099	L360032999	L360001990
4L	L360246299	L360032999	L360001990

Old standard portlight acrylics come with holes already cut to fit existing handles and hinges. Trim mouldings for the old standard portlights are no longer available

Evo® Self-Tailing Winches



Aquafax

WINCHES

What's In a Winch?

There's no such thing as "just a winch". Inside every Lewmar Winch, you'll find materials developed for the aerospace industry, precision CNC machined for maximum efficiency, durability and strength-to-weight ratio. Due to strict Lewmar testing these winches have proven themselves in the roughest conditions and on the toughest racing courses. Choose from Standard, Ocean & Evo™ winches.



SELF-TAILING WINCHES

The Lewmar "Wavespring" self-tailer combines the gentle wave grip feature with self adjusting springs. It handles today's smaller diameters, as well as the traditional larger Dacron composite ropes. A sleek, minimum-friction feeder arm provides absolute snag-free operation.

ELECTRIC WINCHES

Electric winches are available as an upgrade or full package. Lewmar's full range of electric winches are specifically engineered to offer sail trimming at the push of a button for more relaxed and comfortable sailing.

NEEDLE PEEN DRUM

Unique pattern and elegant drum shape make light work of rope handling, giving you a better grip on the rope with less wear

SIMPLE SERVICING & INSTALLATION

Easy to service and no tools needed to service a Lewmar self tailing winch. Simply unscrew the top cap with your fingers to remove the needle peen drum and provide access to the centre stem, gear train and deck fixings.

EVO® WINCHES

An evolution of the renowned Lewmar Ocean winch, the Evo self tailing winches draw on a wealth of design and manufacturing experience. You won't find much plastic here, Lewmar use high quality alloys and metal producing winches that offer exceptional efficiency, durability and strength to weight ratio.

EVO™ SELF-TAILING WINCHES

- Easy Servicing - No tools required
- User friendly direction arrows
- Choice of 3 finishes: grey, black, & chrome bronze
- Convertible to electric (40ST and above)
- 7 Year Warranty



Multiple Styles and Finishes

Evo winches are available in black or grey alloy and chrome bronze finishes. Manual winches feature single speed or two speed for sizes 30ST or larger.

Convertible to Electric

Evo winches 40ST and larger can be upgraded to powered electric winches by adding an electric conversion kit and motor gearbox (See pages 42 & 43)

Wave Spring Jaw and Feeder Arm

The integrated investment cast stainless steel feeder arm completely covers the top of the winch preventing rope trapping above the wave spring jaws. The feeder arm can also be adjusted to smoothly feed the rope out of the jaws and into the cockpit

7 Year Warranty

Lewmar are confident of the quality of Evo winch range that it is backed with a 7 year warranty



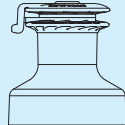
Evo® Range Sizes



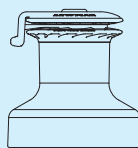
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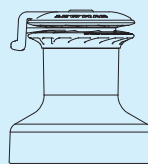
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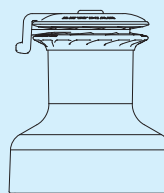
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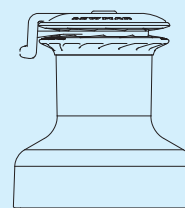
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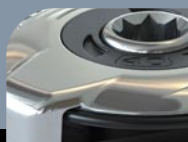
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55



65



EVO® WINCHES

EVO™ SELF-TAILING WINCH SPECIFICATIONS

Part No.	Model	Finish	Gear Ratio 1st 2nd	Power Ratio 1st 2nd	WLL kg lb	Weight kg lb	Drum Dia. mm in	B Base Dia. mm in	H Height mm in	L Line Entry mm in	Line Size mm in
L49515055	15ST	Alloy Black	2:1	15.8:1	570 1257	2.6 5.7	66.8 2 5/8	121 4 3/4	119 4 11/16	58 2 5/16	8-12 5/16 - 1/2
L49515056	15ST	Chrome Bronze	2:1	15.8:1	570 1257	3.9 8.6	66.8 2 5/8	121 4 3/4	119 4 11/16	58 2 5/16	8-12 5/16 - 1/2
L49515057	15ST	Alloy Grey	2:1	15.8:1	570 1257	2.6 5.7	66.8 2 5/8	121 4 3/4	119 4 11/16	58 2 5/16	8-12 5/16 - 1/2
L49530055	30ST	Alloy Black	2:1 4.2:1	13.8:1 29.2:1	685 1510	4 8.8	74 2 15/16	138 5 7/16	145.85 5 3/4	69 2 11/16	8-12 5/16 - 1/2
L49530056	30ST	Chrome Bronze	2:1 4.2:1	13.8:1 29.2:1	685 1510	5.4 11.9	74 2 15/16	138 5 7/16	145.85 5 3/4	69 2 11/16	8-12 5/16 - 1/2
L49530057	30ST	Alloy Grey	2:1 4.2:1	13.8:1 29.2:1	685 1510	4 8.8	74 2 15/16	138 5 7/16	145.85 5 3/4	69 2 11/16	8-12 5/16 - 1/2
L49540055	40ST	Alloy Black	1.9:1 5.8:1	13.2:1 40.2:1	795 1753	4.9 10.7	74 2 15/16	148 5 13/16	158.5 6 1/4	79 3 1/8	8-12 5/16 - 1/2
L49540056	40ST	Chrome Bronze	1.9:1 5.8:1	13.2:1 40.2:1	795 1753	6.5 14.3	74 2 15/16	148 5 13/16	158.5 6 1/4	79 3 1/8	8-12 5/16 - 1/2
L49540057	40ST	Alloy Grey	1.9:1 5.8:1	13.2:1 40.2:1	795 1753	4.9 10.7	74 2 15/16	148 5 13/16	158.5 6 1/4	79 3 1/8	8-12 5/16 - 1/2
L49545055	45ST	Alloy Black	2.4:1 7.6:1	13.9:1 44.8:1	1200 2646	7.1 15.6	87 3 7/16	168 6 5/8	177.7 7	84 3 5/16	8-14 5/16 - 9/16
L49545056	45ST	Chrome Bronze	2.4:1 7.6:1	13.9:1 44.8:1	1200 2646	9.7 21.3	87 3 7/16	168 6 5/8	177.7 7	84 3 5/16	8-14 5/16 - 9/16
L49545057	45ST	Alloy Grey	2.4:1 7.6:1	13.9:1 44.8:1	1200 2646	7.1 15.6	87 3 7/16	168 6 5/8	177.7 7	84 3 5/16	8-14 5/16 - 9/16
L49550055	50ST	Alloy Black	2.6:1 9:1	13.9:1 48.6:1	1250 2756	9 19.8	93 3 5/8	181 7 1/8	197 7 3/4	90 3 3/8	8-14 5/16 - 9/16
L49550056	50ST	Chrome Bronze	2.6:1 9:1	13.9:1 48.6:1	1250 2756	12.3 27	93 3 5/8	181 7 1/8	197 7 3/4	90 3 3/8	8-14 5/16 - 9/16
L49550057	50ST	Alloy Grey	2.6:1 9:1	13.9:1 48.6:1	1250 2756	9 19.8	93 3 5/8	181 7 1/8	197 7 3/4	90 3 3/8	8-14 5/16 - 9/16
L49555055	55ST	Alloy Black	2.8:1 11.2:1	13.8:1 54:1	1480 3263	12.2 26.9	105 4 1/8	205 8 1/16	233 9 11/32	115 4 1/2	8-16 5/16 - 5/8
L49555056	55ST	Chrome Bronze	2.8:1 11.2:1	13.8:1 54:1	1480 3263	18 39.6	105 4 1/8	205 8 1/16	233 9 11/32	115 4 1/2	8-16 5/16 - 5/8
L49555057	55ST	Alloy Grey	2.8:1 11.2:1	13.8:1 54:1	1480 3263	12.2 26.9	105 4 1/8	205 8 1/16	233 9 11/32	115 4 1/2	8-16 5/16 - 5/8
L49565055	65ST	Alloy Black	3.1:1 14.8:1	13.4:1 64:1	1700 3748	16.6 36.5	118 4 5/8	228 9	251 9 7/8	119 4 11/16	8-18 5/16 - 11/16
L49565056	65ST	Chrome Bronze	3.1:1 14.8:1	13.4:1 64:1	1700 3748	23.8 52.4	118 4 5/8	228 9	251 9 7/8	119 4 11/16	8-18 5/16 - 11/16
L49565057	65ST	Alloy Grey	3.1:1 14.8:1	13.4:1 64:1	1700 3748	16.6 36.5	118 4 5/8	228 9	251 9 7/8	119 4 11/16	8-18 5/16 - 11/16

PART NO.'S IN RED = TO ORDER ONLY

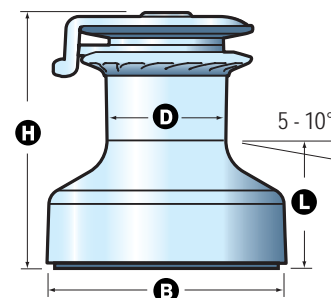
EVO™ WINCHES MOUNTING INSTRUCTIONS

Note: Holes are not symmetrical on all models.

Part No.	Fixing Details
15 EST	5 x M6 (1/4") c'sk head screws on 94mm (3 7/16") PCD
30 EST	5 x M6 (1/4") c'sk head screws on 113mm (4 13/32") PCD
40 EST	5 x M6 (1/4") c'sk head screws on 121mm (4 3/4") PCD
45 EST	5 x M8 (5/16") c'sk head screws on 136mm (5 11/32") PCD
50 EST	6 x M8 (5/16") c'sk head screws on 150mm (5 29/32") PCD
55 EST	6 x M8 (5/16 in) c'sk head screws on 165mm (6 1/2 in) PCD
65 EST	5 x M10 (7/8") c'sk head screws on 184mm (7 1/4") PCD

EXPERT ADVICE

When installing a winch, Lewmar recommends the winch must be mounted on a flat surface and that the rope enters the drum at an angle of 5° to 10° to the base axis of the winch. This angle can be achieved by using a base wedge when mounting the winch.



EVO® SPORT & RACING WINCHES



EVO® SPORT WINCH

The Evo® Sport complements the Evo® self tailing range and is best suited for sport boats requiring constant trimming and where weight consideration is a premium. The Evo® sport is also suitable as a mast mounted winch.



EVO® SPEED RING WINCH

Evo® Speed Ring racing winches offer all the features of the Evo® range with the additional benefit of two drum diameters for greater control. The larger drum is used for fast asymmetric spinnaker gybes or hoists while the standard drum size allows fine tuning, removing the need for two winches.



EVO® RACE+ WINCH

Offering significant weight savings over the standard Evo® winches, the Evo® Race+ uses light weight cast aluminium base stem and machined upper stem together with other advanced material choices.

Evo Sport, Speed Ring and Race+ winches are available to order. For more information, please contact 023 8045 4045

Evo® Winch Selection Guide



Aquafax

EVO® WINCH SELECTION GUIDE

Cross reference your yacht size (for masthead rigs) or sail area (fractional rigs) with appropriate application to ascertain the correct winch.

REMEMBER runner winch & mainsheet winch selection depends on the purchase system fitted & expected loads. Dynamic sail loads can easily increase the loads dramatically. Multihulls generally have a higher righting moment than monohulls of equivalent lengths, resulting in higher dynamic loading; therefore winch size needs to be larger.

SAIL AREA	m	6.1-7.6	7.6-8.8	8.8-10.1	10.1-10.7	10.7-11.3	11.3-11.9	11.9-12.5	12.8-14.6	14.6-16.8	16.8-18.9	18.9-21.6
Application	ft	20-25	25-29	29-33	33-35	35-37	37-39	39-41	42-48	48-55	55-62	62-71
Genoa (sq ft/sq m)		200 19	300 28	350 33	470 44	550 51	600 56	750 70	900 84	1500 139	1900 177	2300 214
Spinnaker (sq ft/sq m)		300 28	400 37	600 56	800 74	1000 93	1200 111	1400 130	1600 149	3000 279	3800 353	4600 427
Main (sq ft/sq m)		120 11	150 14	180 17	210 20	230 21	260 24	300 28	350 33	750 70	875 81	1000 93

		Boat Length														
Application	Winch Size	m ft	6.1 20	7.6 25	8.8 29	10.1 33	10.7 35	11.3 37	11.9 39	12.5 41	14.6 48	16.8 55	18.9 62	21.6 71	24.4 80	25+ 80+
Genoa Sheet	7															
	15															
	30															
	40															
	45															
	50															
	55															
	65															
Spinnaker Sheet	6															
	7															
	8															
	15															
	30															
	40															
	45															
	50															
Main Sheet	6															
	7															
	15															
	30															
	40															
	45															
	50															
	55															
Genoa Halyard	6															
	7															
	15															
	30															
	40															
	45															
	50															
	55															
Spinnaker Halyard	6															
	7															
	8															
	15															
	30															
	40															
	45															
	50															
Main Halyard	6															
	7															
	8															
	15															
	30															
	40															
	45															
	50															
Runner	45															
	50															
	55															
	65															
	70															

Lighter shading represents the upper limit of the model. If in doubt, move up a model.

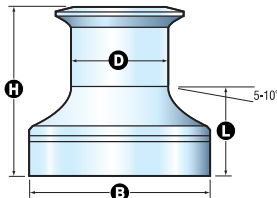
Larger winch sizes available.
Please contact 023 8045 4045 or email
sales@aquafax.co.uk for further details.



STANDARD & OCEAN WINCHES

STANDARD WINCHES

The standard winch is a high quality, hard wearing control solution. The long glass fibre reinforced composite stem is strong and light with a plain bearing giving efficient smooth running. Available in sizes 6, 7 and 8 with single speed operation and size 16 with two speed operation in chrome and grey alloy finishes.



EXPERT ADVICE

When installing a winch, Lewmar recommends the winch must be mounted on a flat surface and that the rope enters the drum at an angle of 5° to 10° to the base axis of the winch. This angle can be achieved by using a base wedge when mounting the winch.



Chrome



Alloy Grey

Part No.	Model	Finish	Gear Ratio 1st 2nd	Power Ratio 1st 2nd	SWL kg lb	Weight kg lb	D Drum Dia. mm in	B Base Dia. mm in	H Height mm in	L Line Entry mm in	Mounting Instructions
L49006010	6	Alloy	1:1	6.8:1	341 752	0.5 1.1	59 2 3/8	94 3 1/8	83 3 1/4	35.5 1 3/8	4 x M6 (1/4 in) c'sk head screws on 66mm (2 1/2 in) PCD
L19006100	6	Chrome	1:1	6.8:1	341 752	1.1 2.4	59 2 3/8	94 3 1/8	83 3 1/4	35.5 1 3/8	
L49007030	7	Alloy	1:1	7.9:1	341 752	0.8 1.8	65 2 5/8	108 4 1/4	102 4	40 1 1/8	5 x M6 (1/4 in) c'sk head screws on 80mm (3 1/8 in) PCD
L49007032	7	Chrome	1:1	7.9:1	341 752	1.7 3.7	65 2 5/8	108 4 1/4	102 4	40 1 1/8	
L49008030	8	Alloy	1:1	7.9:1	455 1003	1.4 3.1	65 2 5/8	108 4 1/4	103 4 1/8	40 1 1/8	5 x M6 (1/4 in) c'sk head screws on 80mm (3 1/8 in) PCD
L49008032	8	Chrome	1:1	7.9:1	455 1003	2.3 5.1	65 2 5/8	108 4 1/4	103 4 1/8	40 1 1/8	
L49016030	16	Alloy	1:1 2:1	7.9:1 16:1	570 1257	2.1 4.6	67 2 5/8	120 4 3/4	112 4 1/8	55 2 1/8	5 x M6 (1/4 in) c'sk head screws on 94mm (3 1/8 in) PCD
L49016032	16	Chrome	1:1 2:1	7.9:1 16:1	570 1257	3.2 7.0	67 2 5/8	120 4 3/4	112 4 1/8	55 2 1/8	

OCEAN SELF-TAILING WINCHES

Lewmar's Ocean winch range is the most popular winch ever made. It's styling still attracts boat builders looking for a more classic look, or boaters looking to upgrade or replace their existing winches.

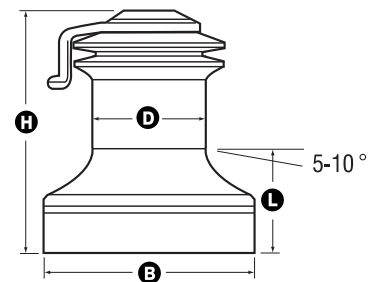
- Easy servicing - no tools required
- Convertible to powered electric operation (Size 40 and larger)
- Available in sizes 14 to 65 in a choice of finishes.

EXPERT ADVICE

When installing a winch, Lewmar recommends that the winch must be mounted on a flat surface and that the rope enters the drum at an angle of 5° to 10° to the base axis of the winch. This angle can be achieved by using a base wedge when mounting the winch.



Alloy Grey



Chrome Bronze

Note: Holes are not symmetrical on all models.

Part No.	Model	Finish	Gear Ratio 1st 2nd	Power Ratio 1st 2nd	Weight kg lb	D Drum Dia. mm in	B Base Dia. mm in	H Height mm in	L Line Entry mm in	Line Size mm in	Mounting Instructions
L49014000	14ST	Alloy	2:1	15.8:1	2.3 5.1	65.7 2 5/8	121 4 3/4	121 4 3/4	58 2 1/8	6-10 1/4 - 3/8	5 x M6 (1/4 in) c'sk head screws on 94mm (3 1/8 in) PCD
L49014001	14ST	Chrome	2:1	15.8:1	3.1 6.8	65.7 2 5/8	121 4 3/4	121 4 3/4	58 2 1/8	6-10 1/4 - 3/8	
L49016000	16ST	Alloy	2:1	15.8:1	2.9 6.4	65.7 2 5/8	121 4 3/4	145.5 5 3/4	58 2 1/8	8-12 5/16 - 1/2	5 x M6 (1/4 in) c'sk head screws on 94mm (3 1/8 in) PCD
L49016001	16ST	Chrome	2:1	15.8:1	3.9 8.6	65.7 2 5/8	121 4 3/4	145.5 5 3/4	58 2 1/8	8-12 5/16 - 1/2	
L49030000	30ST	Alloy	2:1 4.2:1	13.8:1 29.2:1	4.2 9.2	74 2 15/16	138 5 1/2	160.5 6 3/8	69 2 11/16	8-12 5/16 - 1/2	5 x M6 (1/4 in) c'sk head screws on 113mm (4 1/2 in) PCD
L49030001	30ST	Chrome	2:1 4.2:1	13.8:1 29.2:1	5.6 12.3	74 2 15/16	138 5 1/2	160.5 6 3/8	69 2 11/16	8-12 5/16 - 1/2	
L49040055	40ST	Alloy	19:1 5.8:1	13.2:1 40.2:1	4.9 10.7	74 2 15/16	148 5 13/16	173 6 13/16	79 3 1/8	8-12 5/16 - 1/2	5 x M6 (1/4 in) c'sk head screws on 121mm (4 3/4 in) PCD
L49040056	40ST	Chrome	19:1 5.8:1	13.2:1 40.2:1	6.5 14.3	74 2 15/16	148 5 13/16	173 6 13/16	79 3 1/8	8-12 5/16 - 1/2	
L49046055	46ST	Alloy	2.4:1 7.6:1	13.9:1 44.8:1	7.2 15.8	87 3 3/8	168 6 5/8	192 7 7/8	84 3 1/8	8-14 5/16 - 9/16	5 x M8 (5/8 in) c'sk head screws on 136mm (5 1/2 in) PCD
L49046056	46ST	Chrome	2.4:1 7.6:1	13.9:1 44.8:1	9.7 21.3	87 3 3/8	168 6 5/8	192 7 7/8	84 3 1/8	8-14 5/16 - 9/16	
L49048055	48ST	Alloy	2.6:1 9:1	13.9:1 48.6:1	8.8 19.4	93 3 5/8	181 7 1/8	208 8 3/8	86 3 3/8	8-14 5/16 - 9/16	5 x M8 (5/8 in) c'sk head screws on 150mm (5 7/8 in) PCD
L49048056	48ST	Chrome	2.6:1 9:1	13.9:1 48.6:1	12.1 26.7	93 3 5/8	181 7 1/8	208 8 3/8	86 3 3/8	8-14 5/16 - 9/16	
L49050000	50ST	Alloy	2.8:1 10.5:1	13.8:1 50.6:1	11.3 24.9	105 4 1/8	200 7 7/8	238 9 3/8	106 4 1/8	8-16 5/16 - 5/8	6 x M8 (5/8 in) c'sk head screws on 165mm (6 1/2 in) PCD
L49050001	50ST	Chrome	2.8:1 10.5:1	13.8:1 50.6:1	16.3 35.9	105 4 1/8	200 7 7/8	238 9 3/8	106 4 1/8	8-16 5/16 - 5/8	
L49054000	54ST	Alloy	2.8:1 11.2:1	13.8:1 54:1	12.0 26.4	105 4 1/8	205 8 1/8	250 9 7/8	115 4 1/2	8-16 5/16 - 5/8	6 x M8 (5/8 in) c'sk head screws on 165mm (6 1/2 in) PCD
L49054001	54ST	Chrome	2.8:1 11.2:1	13.8:1 54:1	17.0 37.5	105 4 1/8	205 8 1/8	250 9 7/8	115 4 1/2	8-16 5/16 - 5/8	
L49058000	58ST	Alloy	3.1:1 13.5:1	13.5:1 58.1:1	14.3 31.5	118 4 5/8	228 9	266 10 1/2	118.5 4 11/16	8-18 5/16 - 11/16	5 x M10 (3/4 in) c'sk head screws on 184mm (7 1/4 in) PCD
L49058001	58ST	Chrome	3.1:1 13.5:1	13.5:1 58.1:1	20.8 45.8	118 4 5/8	228 9	266 10 1/2	118.5 4 11/16	8-18 5/16 - 11/16	
L49065000	65ST	Alloy	3.1:1 15.3:1	13.4:1 66:1	16.6 36.5	118 4 5/8	231 9 1/8	271 10 11/16	121.5 4 13/16	8-18 5/16 - 11/16	5 x M10 (3/4 in) c'sk head screws on 184mm (7 1/4 in) PCD
L49065001	65ST	Chrome	3.1:1 15.3:1	13.4:1 66:1	23.8 52.4	118 4 5/8	231 9 1/8	271 10 11/16	121.5 4 13/16	8-18 5/16 - 11/16	

Part No.s in red = TO ORDER ONLY

For safe working load limits,
please contact 023 8045 4045 or email
sales@aquafax.co.uk for further details.

Standard & Ocean Winch Selection Guide

Aquafax

STANDARD & OCEAN WINCH SELECTION GUIDE

Efficient sail handling begins with the selection of the correct winch. To help you select from the winches described in the Lewmar range, the table below is a quick reference guide to match application, yacht size and winch. Cross reference your yacht size (for masthead rigs) or sail area (fractional rigs) with the application to ascertain the correct winch.

REMEMBER runner winch and mainsheet winch selection depends on the purchase system fitted and expected loads. Dynamic sail loads can easily increase the loads dramatically. Multihulls generally have a higher righting moment than monohulls of equivalent lengths, resulting in higher dynamic loading; therefore winch size needs to be larger.

SAIL AREA	m	6.1-7.6	7.6-8.8	8.8-10.1	10.1-10.7	10.7-11.3	11.3-11.9	11.9-12.5	12.8-14.6	14.6-16.8	16.8-18.9	18.9-21.6
Application	ft	20-25	25-29	29-33	33-35	35-37	37-39	39-41	42-48	48-55	55-62	62-71
Genoa (sq ft/sq m)		200 19	300 28	350 33	470 44	550 51	600 56	750 70	900 84	1500 139	1900 177	2300 214
Spinnaker (sq ft/sq m)		300 28	400 37	600 56	800 74	1000 93	1200 111	1400 130	1600 149	3000 279	3800 353	4600 427
Main (sq ft/sq m)		120 11	150 14	180 17	210 20	230 21	260 24	300 28	350 33	750 70	875 81	1000 93

		Boat Length													
Application	Winch Size	m	6.1	7.6	8.8	10.1	10.7	11.3	11.9	12.5	14.6	16.8	18.9	21.6	24.4
Genoa Sheet	7														
	14/16														
	30														
	40														
	46														
	48														
	50														
	54														
	58														
Spinnaker Sheet	6														
	7														
	8														
	14/16														
	30														
	40														
	46														
	48														
	54														
Main Sheet	6														
	7														
	14/16														
	30														
	40														
	48														
	54														
	58														
	65														
Genoa Halyard	6														
	7														
	14/16														
	30														
	40														
	46														
	48														
	50														
	54														
Spinnaker Halyard	6														
	7														
	8														
	14/16														
	30														
	46														
	48														
	50														
	58														
Main Halyard	6														
	7														
	8														
	14/16														
	30														
	40														
	46														
	48														
	54														
Runner	46														
	48														
	58														

Lighter shading represents the upper limit of the model. If in doubt, move up a model.

Larger winch sizes available.
Please contact 023 8045 4045 or email
sales@aquafax.co.uk for further details.



OCEAN WINCHES



Ocean Self-Tailing Winches

The popular design and classic look Lewmar Ocean winches are also available in a range of finishes to enhance the appearance of your sailing vessel. These winches are made to order.

A Alloy Grey

B Chrome Bronze

C Bronze **Made To Order**

D Stainless Steel **Made To Order**

E All Chrome **Made To Order**

F All Bronze **Made To Order**

Available in Sizes
14ST to 111/3ST



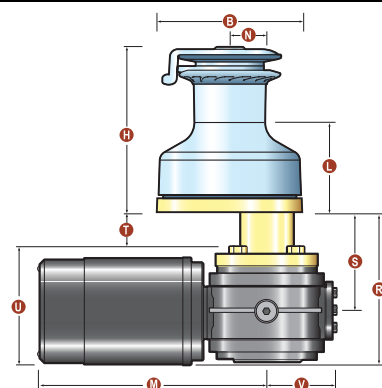
For More Details, Lead Times & Prices, Call: 023 8045 4045
or Email: sales@aquafax.co.uk

EVO® ELECTRIC WINCH KITS

ELECTRIC EVO® SELF-TAILING WINCHES

A self tailing Evo winch that works at the touch of a button. That's exactly what you will find with Lewmar's electric winch range. Whether you buy a complete Evo electric winch kit, or retro-fit the compact electric motor/controller unit, the Evo provides improved effortless sail control.

- Push button control & quiet motor operation
 - Manual override operation for traditional sailing
 - Features benefits of the manual Evo winch design
 - Easy installation
 - Powerful series wound motor unit with contactor
- 2 Levels of control:
- E Series Contactor with thermal cutout 40EST to 50EST sizes
 - ELS (Electric load sensing) control 55EST and 65EST



Specify your own electric winches on page 43

EVO™ ELECTRIC WINCH DIMENSIONS

Winch Size	Height (H)		Line Entry (L)		M		P		T		U		V		Base Dia. (B)	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
40EST	175	6 11/16	95.4	3 49/64	238.5	9 25/64	50	1 31/32	34.4	1 23/64	120.7	2 3/4	72.5	2 55/64	154	6 1/16
45EST	194	7 5/8	100.3	3 61/64	238.5	9 25/64	50	1 31/32	64.4	2 17/32	120.7	2 3/4	72.5	2 55/64	174	6 55/64
50EST	246.8	9 23/32	105.2	4 1/64	238.5	9 25/64	50	1 31/32	64.4	2 17/32	120.7	2 3/4	72.5	2 55/64	186	7 21/64
55EST	257.5	10 1/8	135.8	5 3/8	290	11 7/16	62	2 7/16	59.5	2 5/16	160	6 1/4	80	3 1/8	209	8 1/4
65EST	273.8	10 3/4	141.8	5 9/16	290	11 7/16	62	2 7/16	59.5	2 5/16	160	6 1/4	80	3 1/8	234	9 1/4

ELECTRIC EVO WINCH - COMPLETE KITS (12V)

Kit includes:

- Evo Winch Deck Unit
- Motor Gearbox
- E Series Contactor
- Circuit Breaker and Deck Switch

Part No.	Model	Finish
L49540200	40EST	Alloy Grey
L49540201	40EST	Chromed Bronze
L49540210	40EST	Alloy Black
L49545200	45EST	Alloy Grey
L49545201	45EST	Chromed Bronze
L49545210	45EST	Alloy Black
L49550200	50EST	Alloy Grey
L49550201	50EST	Chromed Bronze
L49550210	50EST	Alloy Black

Kit includes:

- Evo Winch Deck Unit
- Motor Gearbox
- ELS Electric Load Sensing Control Box
- Fuse Block and Deck Switch

Part No.	Model	Finish
L49555200	55EST	Alloy Grey
L49555201	55EST	Chromed Bronze
L49555210	55EST	Alloy Black
L49565200	65EST	Alloy Grey
L49565201	65EST	Chromed Bronze
L49565210	65EST	Alloy Black

Larger Electric EVO winches and 24V options are available, please contact 023 8045 4045 for more details or email sales@aquafax.co.uk

LEWMAR ELECTRIC WINCH KITS ARE
SPECIAL ORDER ITEMS. PLEASE CONTACT
US FOR AVAILABILITY.

Ocean Electric Winch Kits Specify Your Own Winch

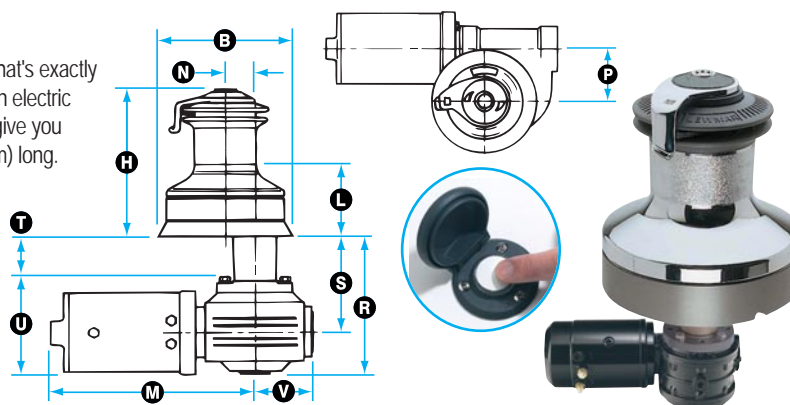
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OCEAN ELECTRIC WINCH KITS

OCEAN ELECTRIC WINCHES

A self-tailing Ocean winch that works at the touch of a button. That's exactly what you will find with Lewmar's electric winch range. The Ocean electric winch range is available in sizes from 40 to 111, these winches give you complete hands free sail control on boats from 30-80 feet (9-24m) long.

- Push button control & quiet motor operation
 - Manual override operation for traditional sailing
 - Features benefits of the manual Ocean winch design
- 2 Levels of control:
- E Series Contactor with thermal cutout 40EST to 48EST sizes
 - ELS (Electric load sensing) control 55EST and 65EST



OCEAN ELECTRIC WINCH DIMENSIONS

Winch	H Height		L Line Entry		M		N		P		R		S		T		U		V		B Base Dia.		Line Size
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
40EST	189.4	7 ¹³ / ₃₂	95.4	3 ⁴ / ₆₄	238.5	9 ²⁵ / ₆₄	38.1	1 ¹ / ₂	50	1 ³ / ₃₂	151	5 ⁶ / ₆₄	100.5	3 ⁶ / ₆₄	34.4	1 ²³ / ₆₄	120.7	4 ³ / ₄	72.5	2 ⁵⁵ / ₆₄	154	6 ¹ / ₁₆	8-12 5 ⁹ / ₁₆ - 1 ¹ / ₂
46EST	208.3	8 ¹³ / ₆₄	100.3	3 ⁶ / ₆₄	238.8	9 ²⁵ / ₆₄	41.8	1 ¹ / ₃₂	50	1 ³ / ₃₂	181	7 ¹ / ₈	130.5	5 ⁵ / ₆₄	64.4	2 ¹⁷ / ₃₂	120.7	4 ³ / ₄	72.5	2 ⁵⁵ / ₆₄	174	6 ⁵⁵ / ₆₄	8-14 5 ⁹ / ₁₆ - 9 ¹ / ₁₆
48EST	224.2	8 ⁵³ / ₆₄	105.2	4 ⁹ / ₆₄	238.5	9 ²⁵ / ₆₄	44.3	1 ³ / ₄	50	1 ³ / ₃₂	181	7 ¹ / ₈	130.5	5 ⁵ / ₆₄	64.4	2 ¹⁷ / ₃₂	120.7	4 ³ / ₄	72.5	2 ⁵⁵ / ₆₄	186	7 ²¹ / ₆₄	8-14 5 ⁹ / ₁₆ - 9 ¹ / ₁₆
50EST	258	10 ³ / ₁₆	126	5	290	11 ¹ / ₁₆	48.5	1 ¹⁵ / ₁₆	62	2 ¹ / ₁₆	198.5	7 ¹³ / ₁₆	138.5	5 ¹ / ₁₆	59.5	2 ⁵ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	209	8 ¹ / ₄	8-16 5 ⁹ / ₁₆ - 5 ¹ / ₈
54EST	270	10 ⁵ / ₈	135.8	5 ³ / ₈	290	11 ¹ / ₁₆	48.5	1 ¹⁵ / ₁₆	62	2 ¹ / ₁₆	198.5	7 ¹³ / ₁₆	138.5	5 ¹ / ₁₆	59.5	2 ⁵ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	209	8 ¹ / ₄	8-16 5 ⁹ / ₁₆ - 5 ¹ / ₈
58EST	286.3	11 ⁵ / ₁₆	138.8	5 ¹ / ₂	290	11 ¹ / ₁₆	52.9	2 ¹ / ₈	62	2 ¹ / ₁₆	198.5	7 ¹³ / ₁₆	138.5	5 ¹ / ₁₆	59.5	2 ⁵ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	234	9 ¹ / ₄	8-18 5 ⁹ / ₁₆ - 1 ¹ / ₁₆
65EST	291.3	11 ¹ / ₂	141.8	5 ⁵ / ₁₆	290	11 ¹ / ₁₆	52.9	2 ¹ / ₈	62	2 ¹ / ₁₆	198.5	7 ¹³ / ₁₆	138.5	5 ¹ / ₁₆	59.5	2 ⁵ / ₁₆	160	6 ¹ / ₄	80	3 ¹ / ₈	234	9 ¹ / ₄	8-18 5 ⁹ / ₁₆ - 1 ¹ / ₁₆

Notes: 1. Not all holes are symmetrical on all models 2. "U" clears motor studs etc. 3. Drum Diameter, see Self-Tailing winches page 39.

OCEAN ELECTRIC WINCHES - COMPLETE KITS (12V)

Kit includes:

- Ocean Winch Deck Unit
- Motor Gearbox
- E Series Contactor
- Circuit Breaker and Deck Switch

Part No.	Model	Finish
L490402551	40AEST	Aluminium
L490402561	40CEST	Chromed Bronze
L490462551	46AEST	Aluminium
L490462561	46CEST	Chromed Bronze
L490482551	48AEST	Aluminium
L490482561	48CEST	Chromed Bronze

Kit includes:

- Ocean Winch Deck Unit
- Motor Gearbox
- ELS Electric Load Sensing Control Box
- Fuse Block and Deck Switch

Part No.	Model	Finish
L49050200	50AEST	Aluminium
L49050201	50CEST	Chromed Bronze
L49054200	54AEST	Aluminium Electric
L49054201	54CEST	Chromed Bronze
L49058200	58AEST	Aluminium Electric
L49058201	58CEST	Chromed Bronze
L49065200	65AEST	Aluminium
L49065201	65CEST	Chromed Bronze

Larger Electric Ocean winches, 24V and all Chrome and all Bronze options are available, please contact 023 8045 4045 for more details or email sales@aquafax.co.uk

Specify your own electric winches on page 43

SPECIFY YOUR OWN ELECTRIC WINCH



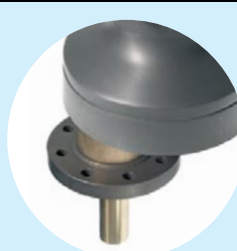
1 EVO® Deck Unit

OR



1 Ocean Deck Unit

OR



1 Conversion Kit

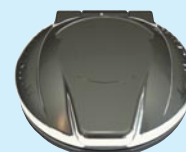
* The Conversion Kit can be used to change an existing manual Evo or Ocean winch from size 40 upwards, to a powered electric winch. Note: you will need to order the motor gearbox, contactor, circuit breaker and foot switch.



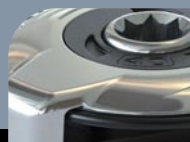
2 Motor Gearbox



3 Contactor/Control Box



4 Accessories



SPECIFY YOUR OWN ELECTRIC WINCH

1 ELECTRIC WINCH DECK UNIT

EVO WINCH DECK UNIT ONLY

Part No.	Model	Finish	Weight kg (lb)
L48540200	40EST	Alloy Grey	17.8 (39.3)
L48540201	40EST	Chromed Bronze	19.5 (43.0)
L48540210	40EST	Alloy Black	17.8 (39.3)
L48545200	45EST	Alloy Grey	22.1 (48.6)
L48545201	45EST	Chromed Bronze	24.6 (54.1)
L48545210	45EST	Alloy Black	22.1 (48.6)
L48550200	50EST	Alloy Grey	24.7 (54.3)
L49550201	50EST	Chromed Bronze	28.1 (61.8)
L49550210	50EST	Alloy Black	24.7 (54.3)
L48555200	55EST	Alloy Grey	29.0 (63.8)
L48555201	55EST	Chromed Bronze	34.8 (76.5)
L48555210	55EST	Alloy Black	29.0 (63.8)
L48565200	65EST	Alloy Grey	33.6 (73.9)
L48565201	65EST	Chromed Bronze	40.8 (89.7)
L48565210	65EST	Alloy Black	33.6 (73.9)

OCEAN WINCH DECK UNIT ONLY

Part No.	Model	Finish	Weight kg (lb)
L48040255	40EST	Grey Alloy	17.8 (39.3)
L48040256	40EST	Chrome	19.5 (43.0)
L48046255	46EST	Grey Alloy	22.1 (48.6)
L48046256	46EST	Chrome	24.6 (54.1)
L48048255	48EST	Grey Alloy	24.7 (54.3)
L48048256	48EST	Chrome	28.1 (61.8)
L48050200	50EST	Alloy	28.3 (62.6)
L48050201	50EST	Chrome	33.2 (73.0)
L48054200	54EST	Alloy	29.0 (63.8)
L48054201	54EST	Chrome	34.8 (76.5)
L48058200	58EST	Alloy	31.3 (68.8)
L48058201	58EST	Chrome	37.7 (82.9)
L48065200	65EST	Alloy	33.6 (73.9)
L48065201	65EST	Chrome	40.8 (89.7)

The Evo & Ocean deck units shown above do not need a conversion kit.

EVO ELECTRIC WINCH DECK UNIT MOUNTING INSTRUCTIONS

40EST	5 x M6 (1/2") c'sk head screws on 121mm (4 3/4") PCD
45EST	5 x M8 (5/16") c'sk head screws on 136mm (5 11/32") PCD
50EST	6 x M8 (5/16") c'sk head screws on 150mm (5 29/32") PCD
55EST	6 x M8 (5/16") c'sk head screws on 165mm (6 1/2") PCD
65EST	5 x M10 (3/8") c'sk head screws on 184mm (7 1/4") PCD

Note: holes are not symmetrical on all models

OCEAN ELECTRIC WINCH DECK UNIT MOUNTING INSTRUCTIONS

40EST	5 x M6 (1/2") c'sk head screws on 121mm (4 3/4") PCD
46EST	5 x M8 (5/16") c'sk head screws on 136mm (5 11/32") PCD
48EST	6 x M8 (5/16") c'sk head screws on 150mm (5 29/32") PCD
50EST	6 x M8 (5/16") c'sk head screws on 165mm (6 1/2") PCD
54EST	6 x M8 (5/16") c'sk head screws on 165mm (6 1/2") PCD
58EST	5 x M10 (3/8") c'sk head screws on 184mm (7 1/4") PCD
65EST	5 x M10 (3/8") c'sk head screws on 184mm (7 1/4") PCD

Note: holes are not symmetrical on all models

ELECTRIC WINCH CONVERSION KITS FOR EVO AND OCEAN MANUAL WINCHES

Lewmar Evo and Ocean manual winches from size 40st and upwards can be converted into a powered electric winch. The basic manual winch needs a conversion kit to form the basic winch deck unit.

Note: You will need to add a motor gearbox, contactor or ELS control, circuit breaker and deck switch.



EVO™ Part No.	Ocean Part No.	Description
L48540055	L48040055	40ST Conversion Kit
L48545055	L48046055	45/46ST Conversion Kit
-	L48048055	48ST Conversion Kit
L48550055	L48050055	50ST Conversion Kit
L48555055	L48054055	54/55ST Conversion Kit
-	L48058055	58ST Conversion Kit
L48565055	L48065055	65ST Conversion Kit

2 MOTOR GEARBOX

Powerful and quiet winch motor gearbox assembly mounts horizontally on the winch base and can be fixed at 90 degree increments to suit motor installation below deck.

Part No.	Description	Motor (Watts)	EVO Size:	40ST	45ST	50ST	55ST	65ST
L48000116	40-48 12V M/Gbox assy	700	Ocean Size:	40ST	46/48ST	-	54ST	58/65ST
L48000117	40-48 24V M/Gbox assy	900		•	•			
L48000075	50-65 12V M/Gbox assy	1600		•	•			
L48000076	50-65 24V M/Gbox assy	2000				•	•	•



CABLE SIZES

12V DC	24V DC	Total Cable Distance
50mm2	25mm2	Up to 7m (23ft)
70mm2	35mm2	7-10m (23-33ft)
70mm2	50mm2	10-15m (33-49ft)
95mm2	-	15-20m (49-66ft)

SOLENOID NOT INCLUDED - see page 44 for choice of solenoids.

Total cable distance should be a complete circuit.

LEWMAR ELECTRIC WINCHES ARE SPECIAL ORDER ITEMS. PLEASE CONTACT US FOR AVAILABILITY.

SPECIFY YOUR OWN ELECTRIC WINCH

3 CONTACTORS & CONTROL BOXES

E-Series Contactor

The E-Series contactor is equipped with a thermal trip to monitor the motor temperature, which ensures a cut out if the heat builds up to an unacceptable temperature. Supplied as standard with Evo electric winch kits 40-50EST and Ocean electric winch kits 40-48EST.

ELS Control Box (Electric Load Sensing)

ELS (Electric Load Sensing) control boxes allow an electric winch to operate up to a set current relative to the working load limit of the specific winch. Once the current is exceeded, the winch automatically cuts out and will restart only when the current drops below the working limit. The ELS control also features the additional safety function of a motor thermal trip which ensures the motor cuts out in the event of excess heat build up. Supplied as standard with Evo electric winch kits 55-65est and Ocean electric winch kits 50-65EST.



Part No.	Description	EVO Size:	40ST	45ST	50ST	–	55ST	–	65ST
		Ocean Size:	40ST	46ST	48ST	50ST	54ST	58ST	65ST
L68000933	E Series Contactor 12V		•	•	•				
L68000934	E Series Contactor 24V		•	•	•				
L18000301	E Series Contactor 12V in waterproof box		•	•	•				
L18000302	E Series Contactor 24V in waterproof box		•	•	•				
L48000217	ELS Control Box Type 1-3	24V							
L48000220	ELS Control Box Type 1-6			24V					
L48000221	ELS Control Box Type 1-7				24V	24V	24V		
L48000222	ELS Control Box Type 1-8	12V						24V	24V
L48000224	ELS Control Box Type 2-2			12V					
L48000225	ELS Control Box Type 2-3				12V	12V			
L48000227	ELS Control Box Type 2-5						12V		
L48000229	ELS Control Box Type 2-7							12V	12V

ELS control boxes available for larger winches, please contact 023 8045 4045 or email sales@aquafax.co.uk for more details.

4 ACCESSORIES

WINCH DECK SWITCHES

Single direction switch with hinged lid to prevent accidental operation. Choice of finishes and closed lid or open finger touch control lid. Both lid options can be opened to allow foot control operation.

SX FOOT SWITCHES

The SX switch has a low-profile design and a twin sealed switch compartment rated to IP67/5. Choice of finishes and closed lid or open lid finger touch control lid. Both lid options can be opened to allow foot control.



Grey (Open)



White (Blank)



S/Steel (Blank)



Black Closed



S/Steel Closed



S/Steel Open

Description	Grey P/No.	White P/No.	S/Steel P/No.
Blank Lid	L68000928	L68000930	L68000929
Open Lid	L68000970	L68000971	–

Description	Black P/No.	S/Steel P/No.
Blank Lid	L68001031	L68001030
Open Lid	L68001027	L68001026

For Dimensions diagram see page 14

CIRCUIT BREAKERS



Part No.	EVO® Ocean	40 40	45 46	50 48	– 50	55 54	– 58	65 65
8-27082	40A	24V						
8-27083	50A		24V					
8-27085	70A			24V				
L68000349	90A	12V			24V	24V	24V	24V
L68000350	110A		12V					
8-27088	120A			12V				
8-27089	150A				12V			
8-27049	200A*					12V	12V	12V

See Section 8 for alternative panel mount and surface mounted circuit breakers.



LEWMAR CONTROL BOXES ARE SPECIAL ORDER ITEMS. PLEASE CONTACT US FOR AVAILABILITY.



ELECTRIC WINCHES

REVO™ BACKWINDING WINCH

Lewmar has introduced a complete range of electrically-operated, backwinding EVO® winches. With the touch of a button, sailors are able to trim sails both in and out. Push one button and the winch sheets in quickly to the working load limit.

A well-specified motor removes the added complication of switching between slow and fast forward gears. Simply push another button to allow the winch to pay out line. Can also be operated manually by simply inserting a winch handle to allow familiar two-speed operation.

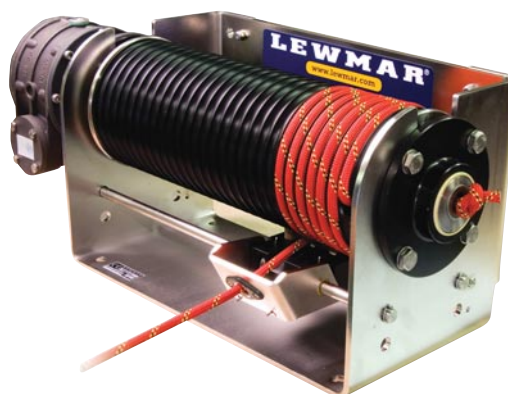
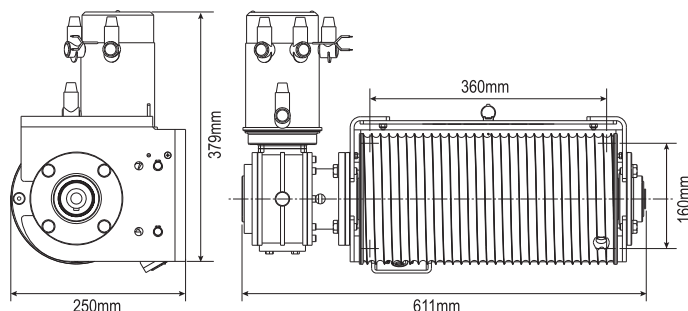
- Available in five sizes (40, 45, 50, 55, 65)
- No modification to the standard bolting pattern and deck cut-outs
- Direct size for size upgrade from a standard electric EVO® winch to a REVO™ winch
- Uses proven winch internals so retains all the benefits of the EVO® Winch
- Simple two button operation, one to pull rope in and another to pay rope out
- Two speed manual operations when a winch handle is inserted
- Four patents pending



CW800 – THE CAPTIVE WINCH FOR THE SMALLER YACHT

The CW800 winch is ideal for the main halyard or mainsheet on yachts, offering safe remote controlled line handling and storage. Designed for yachts with limited space on the cabin top, the CW800 will allow halyards to be hauled and stored in a convenient place on board given a very efficient use of space onboard.

Available as 12V or 24V, with either 10.3M (34ft) or 14.6M (48ft) drum capacity options, the CW800 is a viable alternative for managing Halyards or main sheets depending on line speed.



Line drawing shows high capacity model. Both CW800 standard and high capacity version have the same footprint. The difference is the drum diameter.

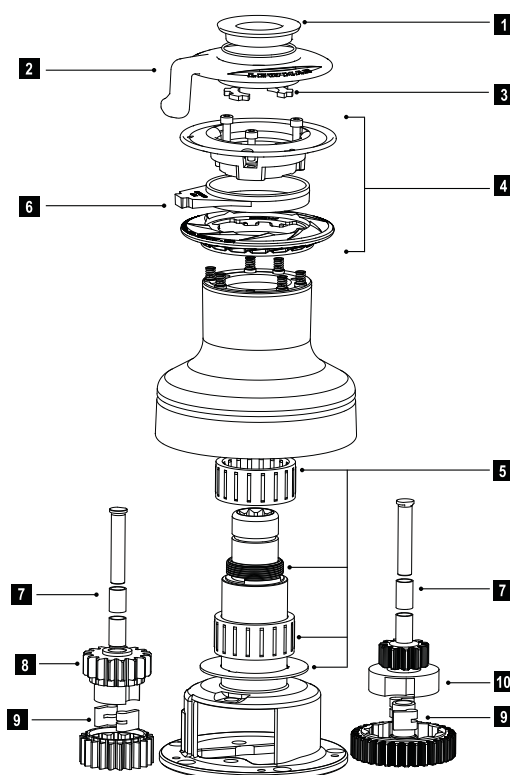
WINCH SPARES

EVO® WINCH SPARES

Winch Kit Size (EVO)	15	30	40	45
Chrome Top Cap & O Ring (1)	L48500015	L48500030	L48500040	L48500045
Feeder Arm (2)	L45500005	L45500105	L45500105	L45500305
Collett Kit (3)	L48000446	L48000446	L48000446	L48000446
Jaw Kit (4)	L48500016	L48500031	L48500031	L48500046
Drum Bearing Kit (5)	L48000455	L48000455	L48000456	L48000457
Stripper rings (pair) (6)	L45500008P	L45500108P	L45500108P	L45500308P
Pawl Gear 1 Kit (7,8,9)	-	L48000464	L48000464	L48000469
Pawl Gear 2 Kit (7,9,10)	-	L48000465	L48000467	L48000468

Winch Kit Size (EVO)	50	55	65
Chrome Top Cap & O Ring (1)	L48500050	L48500055	L48500065
Feeder Arm (2)	L45500405	L45500505	L48500605
Collett Kit (3)	L48000446	L48000446	L48000446
Jaw Kit (4)	L48500051	L48500056	L48500066
Drum Bearing Kit (5)	L48000458	L48000460	L48000462
Stripper rings (pair) (6)	L45500408P	L45500508P	L45500608P
Pawl Gear 1 Kit (7,8,9)	L48000470	L48000472	L48000475
Pawl Gear 2 Kit (7,9,10)	L48000468	L48000473	L48000476

See page 47 for EVO® Winch Service Kits >>>



For more information on Revo™ Backwinding Winches or CW800 Captive Winches, please contact 023 8045 4045 or email sales@aquafax.co.uk

WINCH SPARES

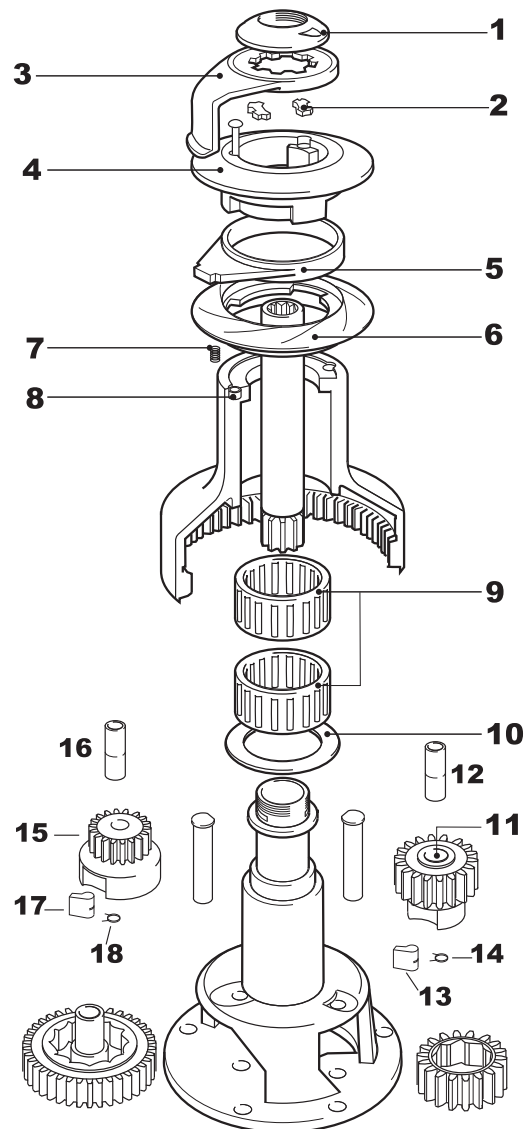
OCEAN WINCH SPARES

Winch Kit Size (Ocean)	14ST	16ST	28ST	30ST	34ST	40ST
Chrome Top Cap & O Ring (1)	L48000443	L48000443	L49000444	L49000444	L49000444	L49000444
Collets (2)	L48000446	L48000446	L48000446	L48000446	L48000446	L48000446
Feeder Arm (3)	L48000477	L48000478	L48000479	L48000480	L48000481	L48000482
Jaw Kit (4, 5, 6, 7, 8)	L48000447	L48000447	L48000448	L48000448	L48000449	L48000449
Bearing Kit (9, 10)	L48000454	L48000455	L48000455	L48000455	L48000456	L48000456
Pawl Gear (11,12,13,14)	-	-	L48000463 - 15 teeth	L48000464 - 11 teeth	L48000466 - 19 teeth	L48000467 - 17 teeth
Pawl Gear (15,16,17,18)	-	-	L48000464 - 11 teeth	L48000465 - 16 teeth	-	-

Winch Kit Size (Ocean)	44ST	46ST	48ST	50ST	54ST
Chrome Top Cap & O Ring (1)	L49000444	L49000444	L49000444	L49000444	L49000444
Collets (2)	L48000446	L48000446	L48000446	L48000446	L48000446
Feeder Arm (3)	L48000483	L48000484	L48000485	L48000486	L48000487
Jaw Kit (4, 5, 6, 7, 8)	L48000450	L48000450	L48000451	L48000452	L48000452
Bearing Kit (9, 10)	L48000457	L48000457	L48000458	L48000459	L48000460
Pawl Gear (11,12,13,14)	L48000468 - 17 teeth	L48000468 - 17 teeth	L48000468 - 17 teeth	L48000471 - 16 teeth	L48000473 - 15 teeth
Pawl Gear (15,16,17,18)	L48000469 - 14 teeth	L48000469 - 14 teeth	L48000470 - 15 teeth	L48000472 - 17 teeth	L48000472 - 17 teeth

Winch Kit Size (Ocean)	58ST	64ST
Chrome Top Cap & O Ring (1)	L48000445	L48000445
Collets (2)	L48000446	L48000446
Feeder Arm (3)	L48000488	L48000489
Jaw Kit (4, 5, 6, 7, 8)	L48000453	L48000453
Bearing Kit (9, 10)	L48000461	L48000462
Pawl Gear (11,12,13,14)	L48000474 - 14 teeth	L48000476 - 13 teeth
Pawl Gear (15,16,17,18)	L48000475 - 19 teeth	-

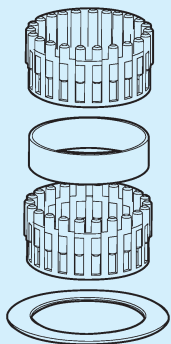
Winch Kit Size (Ocean)	65ST
Chrome Top Cap & O Ring (1)	L48000445
Collets (2)	L48000446
Feeder Arm (3)	L48000490
Jaw Kit (4, 5, 6, 7, 8)	L48000453
Bearing Kit (9, 10)	L48000462
Pawl Gear (11,12,13,14)	L48000476 - 13 teeth



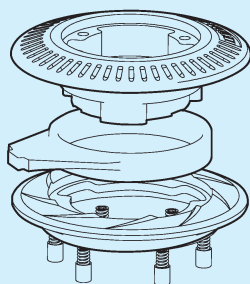
WINCH SPARES KIT

Available from Top Cap to Pawl Gear Kit.

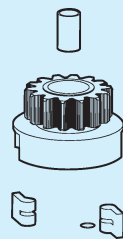
Drum Bearing Kit



Jaw Kit



Pawl Gear Kit



WINCH SPARES & MAINTENANCE KITS



Part No.	Description
L19700100	Basic Kit – 4 Circlips, 4 Pawls, 4 Pawl Springs
L19700200	Winch Servicing Kit – 4 Circlips, 8 Pawls, 12 Pawl Springs, 3 keys, 2 pan head screws (Self-tailers)
L19700300	Three speed winch servicing kit
L19700401	Standard Large Pawls & Springs. (50-65) 6 pawls, 12 pawl springs
L19700501	Standard Small Pawls & Springs (5-48/66) 6 pawls, 12 pawl springs
L19701000	Gear Grease – 100g tube, waterproof grease for many applications
L19701100	Gear Grease 300g tub
L19701600	RaceLube – 55ml, for applications where grease is not advised
L19701500	Winch Maintenance Packs – 100g greasegear, 55ml racelube, brush, "How to" Booklet, 10 pawl springs.



WINCH MAINTENANCE KITS

Suitable for Ocean Standard sizes 6-40, Ocean ST sizes 14 & 16, EVO ST size 15.

Part No. L48000014

Contents:

- 1 x 8-40 Standard plastic key
- 1 x 16ST/Standard gear spindle sleeve
- 1 x WSM125SO2 Crimped circlip
- 4 x Standard pawl spring (small)
- 4 x Standard pawl (small)
- 1 x 16 Standard/ST gear retainer
- 1 x O-ring 49.6 ID x 2.4 section
- 1 x 7 plastic key
- 1 x O-ring, 48 x 1.5 Nitrile 70
- 2 x 24-40 Gear spindle sleeve



Suitable for Ocean ST sizes 30-48, EVO ST sizes 30-50

Part No. L48000019

Contents:

- 2 x 16-66ST Ocean collet
- 4 x 30-48 Gear spindle sleeve
- 1 x 24-40 Gear spindle sleeve
- 4 x Standard pawl spring (small)
- 4 x Standard pawl (small)
- 2 x 40-46 Gear spindle sleeve
- 1 x O-ring 49.6 ID x 2.4 section
- 1 x O-ring, 48 x 1.5 Nitrile 70
- 1 x 43/46/52 Standard washer



Suitable for Ocean ST sizes 50-65, EVO ST sizes 55-65

Part No. L48000017

Contents:

- 2 x 16-77ST Ocean collet
- 4 x Standard pawl (large)
- 4 x Standard pawl spring (small)
- 1 x 50/54 Washer
- 1 x Flanged washer
- 1 x O-ring 49.6 ID x 2.4 section
- 1 x UR1685 Circlip Spirolox-Plain
- 1 x O-ring, 48 x 1.5 Nitrile 70



Suitable for Ocean ST size 68, EVO ST size 70

Part No. L48000018

Contents:

- 1 x 5103-125H Circlip salterfix
- 2 x Washer
- 1 x Washer 41OD x 35ID
- 1 x Delrin Washer
- 2 x 3/16" x 3/4" Spirol pin
- 3 x Fir Tree Retainer
- 5 x Standard pawl (large)
- 7 x Standard pawl spring (small)
- 2 x Standard pawl (small)
- 1 x O-ring 49.6 ID x 2.4 section
- 2 x 16-66ST Ocean collet
- 1 x O-ring, 48 x 1.5 Nitrile 70



Winch Handles

Aquafax

WINCHES HANDLES

ONETOUCH WINCH HANDLE

Lewmar OneTouch winch handles offers a new approach to winch handle design. It's patented 'OneTouch' mechanism allows you to squeeze the release lever (which runs the entire length of the handle) and pull to unlock in one quick, easy motion. To lock in, simply squeeze and insert. All it takes is one hand, so you can spend less time fiddling around and more time sailing.

- Release lever runs entire length of the handle - no twisting, jiggling or fiddling around
- Easy one-handed removal - just squeeze and lift
- Lightweight, forged construction
- Corrosion resistant for years of performance under harsh conditions
- Available in Standard Grip and Power Grip
- As used by the Americas Cup, Volvo and TP52 teams.



L29140044



L29140046

ONE TOUCH WINCH HANDLE SPECIFICATIONS

Part No.	Size		Description
	mm	in	
L29140044	250	10	Alloy Handle, Lock-in, Single, Grip
L29140046	250	10	Alloy Handle, Lock-in, Power Grip
L29140048	250	10	Alloy Handle, D Grip
L29140040	200	8	Alloy Handle, Lock-in, Single, Grip
L29140042	200	8	Alloy Handle, Lock-in, Power Grip
L29140015	-	-	PowerGrip replacement kit

WINCH HANDLES

Lewmar winch handles use ball bearings for maximum efficiency.

- Ball bearings provide maximum efficiency
- Manufactured in durable, lightweight alloy
- Optional Power Grip makes initial fast cranking easy & comfortable, with space for a second hand once the load comes on

Titan winch handles are made of the finest quality materials and created using the latest computer aided designs. Titan handles are engineered to withstand the rigours of the saltwater environment year after year.

- Strong composite construction
- Very light-weight
- Handle floats if dropped overboard
- Engineered to withstand rigours of saltwater environment.



L29141011



L29141110



L29141111



L29140121



L29141121



L29141122

LEWMAR WINCH HANDLE SPECIFICATIONS

Part No.	Size	Description
L29141011	200mm 8"	Alloy Lock-in Winch Handle
L29141110	250mm 10"	Alloy Winch Handle (Forged)
L29141111	250mm 10"	Alloy Winch Handle, Lock-in (Forged)
L29140121	250mm 10"	Chrome Winch Handle, Lock-in Power Grip
L29141121	250mm 10"	Chrome Winch Handle, Lock-in
L29141122	250mm 10"	Chrome Winch Handle, Lock-in Double Grip

TITAN WINCH HANDLE SPECIFICATIONS

Part No.	Size	Description
L29145301	200mm 8"	Titan Winch Handle, Red, Locking
L29145311	250mm 10"	Titan Winch Handle, Red, Locking
L29140017	200mm 8"	Titan Winch Handle, Blue, Non-Locking



L29145301



L29140017

WINCH HANDLE
POCKET
Part No. L29140020



SPARES KIT

Part No.	Size	Description
L29140011	-	Single grip replacement kit
L29140012	200mm 8"	Lock-in spares kit
L29140013	250mm 10"	Lock-in spares kit

Part No.s in red = TO ORDER

TOTAL COTE



TotalCote Maintenance Spray

Formulated solely from naturally occurring products TotalCote is incredibly effective yet safe to the environment, as well as sensitive to marine eco systems.

TotalCote protects, displaces, cleans, seals, penetrates and lubricates. Use it on everything from seized bolts to your block and traveller car bearings to your Luff groove. TotalCote will reduce friction and offer a long term barrier against rust and corrosion.

TotalCote Maintenance Spray 400ml (Box of 12 cans) - Part No. L19701700

TotalCote



HARDWARE - BLOCKS

BLOCKS SELECTION GUIDE

	Application	Boat Length												
		m ft	16	6.1 20	7.3 24	8.5 28	9.7 32	11 36	12.2 40	13.4 44	14.6 48	15.8 52	17.1 56	18.3 60
CONTROL BLOCKS	Main sheet - End boom		30 Control	40 Control										
	Halyard Blocks		30	40 Control										
	Mast Base and general control blocks		30 Control		40 Control									
SYNCHRO	Main sheet - End boom				50 Synchro	60	72 Synchro	90 Synchro						
	Main sheet - Mid boom				50 Synchro	60	72 Synchro	90 Synchro						
	Main & Genoa halyards			60 Synchro	72 Synchro	90 Synchro								
	Spinnaker mast top blocks		50 Synchro	60 Synchro	72 Synchro	90 Synchro								
	Spinnaker sheet			50 Synchro	60 Synchro	72 Synchro	90 Synchro							
	Spinnaker guy		50 Synchro	60 Synchro	72 Synchro	90 Synchro								
	Spinnaker downhaul			50 Synchro	60 Synchro	72 Synchro	90 Synchro							
	Boom Vangs			50 Synchro	60 Synchro	72 Synchro	90 Synchro							
	Backstay tensioners		50 Synchro	60 Synchro	72 Synchro									
HTX	Main sheet - End boom				50 HTX	60 HTX	72 HTX	90 HTX						
	Main sheet - Mid boom				50 HTX	60 HTX	72 HTX	90 HTX						
	Main & Genoa halyards			50 HTX	60 HTX	72 HTX	90 HTX							
	Spinnaker mast top blocks				50 HTX	60 HTX	72 HTX	90 HTX						
	Spinnaker sheet				50 HTX	60 HTX	72 HTX	90 HTX						
	Spinnaker guy			50 HTX	60 HTX	72 HTX	90 HTX							
	Spinnaker downhaul				50 HTX	60 HTX	72 HTX							
	Boom Vangs				50 HTX	60 HTX	72 HTX							
	Backstay tensioners			50 HTX	60 HTX									
RACING	Main sheet - End boom Singles				60 HL Racing	80 Racing	80 HL Racing							
	Main sheet - End boom Double/Triple blocks					60 HL Racing	80 Racing	80 HL Racing						
	Main sheet - Mid boom singles			60 HL Racing	80 Racing	80 Racing								
	Main sheet - Mid boom Double/Triple blocks				60 HL Racing	80	80 HL Racing							
	Halyard (block & Padeye at mast base)				60 HL Racing	80	80 HL Racing							
	Spinnaker mast top blocks				60 HL Racing	80 Racing	80 HL Racing							
	Spinnaker Mast sheets Blocks / Guy blocks				60 HL Racing	80 Racing	80 HL Racing							
	Boom Vang (first block in cascade)			60 HL Racing	80 Racing									

FOOTBLOCK SELECTION GUIDE

FOOTBLOCK SELECTION GUIDE			Winch Size									
Block Type	Sheet Deflection	Hand Load	8	15/16	30	/40	45	50	55	65	70	80
SYNCHRO	90°		60 Synchro			72 Synchro	90 Synchro					
	180°		60 Synchro		72 Synchro	90 Synchro						
RACING	90°				80 Racing	80 HL Racing	80 HL Racing		105 HL Racing			
	180°		80 Racing		60 HL Racing	80 HL Racing		105 HL Racing			130 HL Racing	155 HL Racing
Control Blocks		Synchro Blocks		HTX Blocks				Racing Blocks				
30 Control		50 Synchro	72 Synchro	50 HTX		72 HTX		60 HL Racing		80 HL Racing		
40 Control		60 Synchro	90 Synchro	60 HTX		90 HTX		80 Racing		105 HL Racing		

RACING BLOCKS AND HIGH LOAD RACING BLOCKS ARE AVAILABLE TO ORDER.

Control Blocks

AquaFax

HARDWARE - BLOCKS

CONTROL BLOCKS

Ideal for use with hand-held loads, Lewmar's Control Blocks feature lightweight, performance load-bearing capacity. MRT (Metal Replacement Technology) and a stainless steel central race and balls provide a weight advantage, while Long Fibre Technology offers exceptional strength and durability. The open design allows sand and salt to be flushed out easily, keeping maintenance simple.

Applications

Ball bearing blocks are typically used for medium and dynamic loads in:

- Control line applications
- Mainsheets for dinghies and keelboats
- Spinnaker sheets, barber haulers
- Genoa sheets
- Dinghy applications

- A Long fiber cheek
- B High strength glass-filled sheave
- C Marked sheave - Showing line size and safe working load
- D Stainless Steel balls and ball groove - avoids deformation and loss of performance



SINGLE STAND UP

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901320BK	30	200	440	30	1
L29901420BK	40	240	528	54	1.9



SINGLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901321BK	30	200	440	28	1
L29901421BK	40	240	528	52	1.83



DOUBLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901322BK	30	300	660	47	1.65
L29901422BK	40	480	1056	112.5	3.97



TRIPLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901323BK	30	500	1100	85	3
L29901423BK	40	720	1584	187.5	6.61



SINGLE & BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901324BK	30	200	440	33	1.16
L29901424BK	40	240	528	56.5	1.99



DOUBLE & BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901325BK	30	300	660	50	1.76
L29901425BK	40	480	1056	116.5	4.11



TRIPLE & BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901326BK	30	500	1100	90	3.17
L29901426BK	40	720	1584	192.5	6.79



SINGLE FIXED STRAP

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901341BK	30	200	440	26	0.92
L29901441BK	40	240	528	44	1.55

HARDWARE - BLOCKS



SINGLE FIXED STRAP - STAINLESS STEEL SHEAVE

Designed for use with wire - 30mm suits max 3mm (1/8") wire, 40mm suits max 6mm (1/4" wire).

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901301BK	30	240	528	36	1.2
L29901401BK	40	400	890	76	2.5



SINGLE FIXED STRAP AND BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901314BK	30	200	440	31	1.09



TRIPLE & CLEAT

Part No	Sheave Ø	*Working Load Limit		Weight	
		Kg	lb	g	oz
L29901328BK	30	500	1100	135	4.76
L29901429BK	40	720	1584	247.5	8.73

* Block WLL, cleat WLL 120kg



SINGLE WITH BECKET AND CLEAT

Part No.	Sheave Ø	*Working Load Limit		Weight	
		Kg	lb	g	oz
L29901428BK	40	240	528	56.5	1.99

* Block WLL, cleat WLL 120kg



TRIPLE WITH BECKET AND CLEAT

Part No	Sheave Ø	*Working Load Limit		Weight	
		Kg	lb	g	oz
L29901330BK	30	500	1100	140	5
L29901430BK	40	720	1584	252.5	8.91

* Block WLL, cleat WLL 120kg



SINGLE WEB

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901447BK	40	240	528	39.5	1.39



Single



Tandem

THRU-DECK BLOCK

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901361BK	30 single	200	440	26	0.92
L29901362BK	30 tandem	200	440	45	1.59



VERTICAL LEAD BLOCK

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901363BK	30	200	440	48	1.69
L29901463BK	40	240	528	70	2.4



CHEEKBLOCK

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29901360BK	30	200	440	18.5	0.65
L29901460BK	40	240	528	43	1.52

PIVOTING EXIT BLOCK

Part No	Sheave Ø	*Working Load Limit		Weight	
		Kg	lb	g	oz
L29901365BK	30	200	440	80	2.82

* Block WLL, cleat WLL 120kg



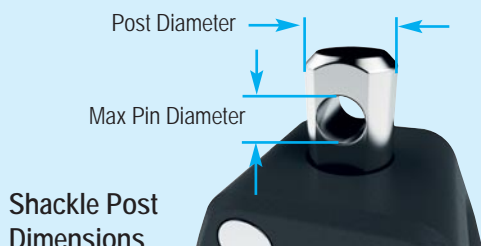
See next page for Control Block Accessories

Control and Synchro Blocks

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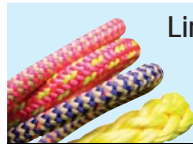
HARDWARE - BLOCKS

CONTROL BLOCKS ACCESSORIES



Shackle Post Dimensions

	Post Dia. mm	in	To fit max pin Ø mm	in
30mm Single / Double	7.1	$\frac{7}{16}$	4	$\frac{5}{32}$
30mm Triple	9.25	$\frac{3}{8}$	5	$\frac{3}{16}$
40mm Single / Double	8.0	$\frac{5}{16}$	4	$\frac{5}{32}$
40mm Triple	11.5	$\frac{7}{16}$	6	$\frac{1}{4}$



Line Size

	Max Line Size mm	in
30mm Control	8	$\frac{5}{16}$
40mm Control	10	$\frac{3}{8}$

Suitable Block Upstand

30 and 40mm control blocks fit block upstand

Part No. L29904046.

For more info refer to page 58



Pad Eyes

Wide range available see page 58 for details.



Fit Snap Shackle

For more info refer to page 58



	Fit Snap Shackle
30mm Control Single / Double	L29925040
30mm Control Triple	L29926040
40mm Control Single / Double	L29925040
40mm Control Triple	L29927240



Cleat Used

Control blocks with cam use the following cleats.

	Use Cleat	Working Load Limit
30/40mm control	L29104100BK	120 kg 264 lb

SYNCHRO BLOCKS

Lewmar Synchro blocks are engineered for speed, efficiency and superior handling. They use a combination of scientifically optimised block geometry, a Free-Spin bearing and self-aligning head to reduce friction and increase efficiency by up to 40% over budget blocks on mainsheet systems.

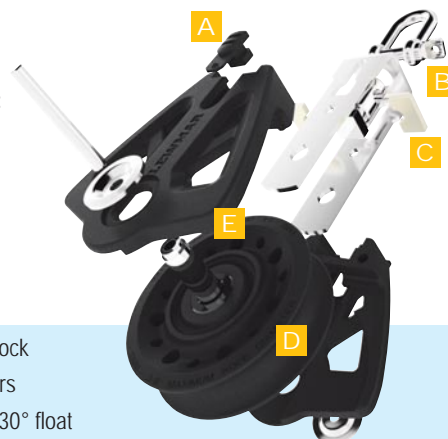
Each component is perfectly synchronised with the movement of the rope, providing you with an easier, smoother transfer of power from deck to sail and less wear on your rope.

- Stainless steel strap for improved strength and longer service life
- Stiff glass fibre reinforced cheeks to prevent lines from wedging
- Innovative design with "tool-free" sliding swivel locking mechanism
- Simple switch to change from swivelling to fixed shackle

Applications

Plain bearing blocks are typically used for heavy and static loads in:

- Halyard tuning
- Mainsheet systems
- Mast foot blocks
- Mast head blocks
- Boom vang



- A Easy to use shackle post lock
- B Shackle post – fits travellers
- C Lock mechanism enables 30° float
- D Larger sheave diameter – minimises rope friction
- E High density free-spin bearing - reduces axle diameter for superior efficiency



SINGLE

Part No	Sheave Ø	Working Load Limit Kg lb	Weight g oz
L29925001BK	50	450 990	67 2.36
L29926001BK	60	800 1760	115 4.06
L29927201BK	72	1100 2420	190 6.69
L29929001BK	90	2000 4400	413 14.57



DOUBLE

Part No	Sheave Ø	Working Load Limit Kg lb	Weight g oz
L29925002BK	50	450 990	142 5.01
L29926002BK	60	800 1760	251 8.84
L29927202BK	72	1100 2420	406 14.29
L29929002BK	90	2000 4400	966 34.00



TRIPLE

Part No	Sheave Ø	Working Load Limit Kg lb	Weight g oz
L29925003BK	50	450 990	226 7.96
L29926003BK	60	800 1760	371 13.06
L29927203BK	72	1100 2420	618 21.75
L29929003BK	90	2000 4400	1389 48.89



SINGLE & BECKET

Part No	Sheave Ø	Working Load Limit Kg lb	Weight g oz
L29925004BK	50	450 990	81 2.85
L29926004BK	60	800 1760	127 4.48
L29927204BK	72	1100 2420	210 7.41
L29929004BK	90	2000 4400	458 16.15



HARDWARE - BLOCKS



DOUBLE & BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29925005BK	50	450	990	164	5.77
L29926005BK	60	800	1760	261	9.19
L29927205BK	72	1100	2420	415	14.61



SINGLE BECKET & CAM

Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29925009BK	50	450	990	123	4.30

* Block WLL, cleat WLL 120kg



TRIPLE BECKET & CAM

Part No	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29925010BK	50	450	990	282	9.93
L29926010BK	60	800	1760	261	9.19
L29927210BK	72	1100	2420	820	28.86

* Block WLL, cleat WLLs shown on page 54



SINGLE FIDDLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29925031BK	50	450	990	94	3.31
L29926031BK	60	800	1760	156	5.50
L29927231BK	72	1100	2420	250	8.80
L29929031BK	90	2000	4400	544	19.19



SINGLE FIDDLE & BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29925034BK	50	450	990	98	3.45
L29926034BK	60	800	1760	166	5.85
L29927234BK	72	1100	2420	275	9.70
L29929034BK	90	2000	4400	589	20.77



SINGLE FIDDLE & CAM

Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29925037BK	50	450	990	139	4.89
L29926037BK	60	800	1760	221	7.78
L29927237BK	72	1100	2420	339	11.93

* Block WLL, cleat WLL shown on page 54

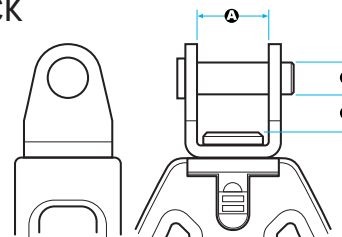


SINGLE FIDDLE BECKET & CAM

Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29925039BK	50	450	990	145	5.10
L29926039BK	60	800	1760	234	8.24
L29927239BK	72	1100	2420	356	12.53
L29929039BK	90	2000	4400	879	27.12

* Block WLL, cleat WLL shown on page 54

HALYARD BLOCK



The toggle head of the halyard blocks is designed to fit on the studs commonly found at mast bases – check the diameter of the stud against the width of the block jaws (A) and pin diameter (B).

Part No.	Sheave Ø	Working Load Limit*		Weight		A Width		B Pin		C Space to Pin	
		Kg	lb	g	oz	mm	in	mm	in	mm	in
L29925021BK	50	450	990	73	2.57	13	1/2	5	3/16	8.2	5/16
L29926021BK	60	800	1760	122	4.29	15	3/16	6	1/32	6.9	9/32
L29927221BK	72	1100	2420	198	6.98	18	45/64	8	5/16	9.6	3/8
L29929021BK	90	2000	4400	414	14.57	23	29/32	10	25/64	13.9	17/32

See next page for Synchro Block Accessories

Synchro Blocks

Aquafax

HARDWARE - BLOCKS

SYNCHRO BLOCKS ACCESSORIES

Head Design

Head can be positioned for use in line or at 90 degrees - or left to rotate freely when in unlocked position. When locked allows 30° "float" on shackle post to improve alignment of block.



Post Diameter

Max Pin Diameter

Shackle Post Dimensions

	Post Dia.		To fit max pin Ø	
	mm	in	mm	in
50mm Synchro	7.9	$\frac{5}{16}$	4	$\frac{5}{32}$
60mm Synchro	9.4	$\frac{3}{8}$	5	$\frac{3}{16}$
72mm Synchro	11.9	$\frac{1}{2}$	6	$\frac{1}{4}$
90mm Synchro	16.5	$\frac{21}{32}$	9.8	$\frac{3}{8}$



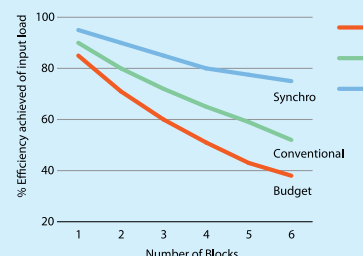
Cleat Used

	Use Cleat	Working Load Limit	
50mm Synchro	L29104100BK	120kg	264 lb
60mm Synchro	L29104110BK	180kg	396 lb
72mm Synchro	L29104110BK	180kg	396 lb

Higher efficiency – for faster sail handling and less rope wear.

Independent tests show Synchro blocks offer increased efficiency over conventional designs. Calculations over a 6-block mainsheet system, indicated Synchro blocks can deliver up to 40% greater efficiency than budget products - resulting in better responsiveness and improved sailing performance.

Efficiency Improvements in Multi Block Systems



Suitable Block Upstand

Spring Upstand to fit 50mm Synchro Part No. L29904050.

For more info refer to page 58



Rubber Boot Upstand Kit
Fits Synchro Part No.
60mm L29195065
72mm L29196065
90mm L29197265

Suitable Traveller Upstand



Fit Traveller Upstand

60mm Synchro	Size 1 NTR
72mm Synchro	Size 1 HTX / Size 2 NTR
90mm Synchro	Size 2 HTX / Size 3 NTR

Fit Snap Shackle

	Fit Snap Shackle
50mm Synchro	L29925040
60mm Synchro	L29926040
72mm Synchro	L29927240
90mm Synchro	L29929040

For more info refer to page 58

Pad Eyes

Wide range available see page 58 for details.



SYNCHRO FOOTBLOCKS

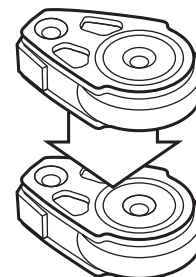
Synchro Footblocks feature alloy cheeks, fixing isolators, and a moulded base plate to prevent sealant ingress into the sheave.

- Standard and jammer options can be double stacked
- Two-step jammer action keeps lever close to side of the block
- Optimised jammer shape holds line central on the sheave
- Tough alloy cheeks
- Synchro sheave loads match the same sized blocks

Jamming footblocks are designed to hold light hand loads only.

- Twin fixings with inserts
- Wide head for a solid base, block will not "roll" on the deck
- Moulded base plate with recess to hold sealant around fixing screws and prevent ingress onto the bearing and sheave

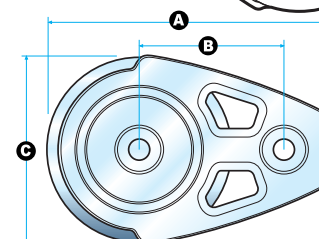
Standard and jammer options can be double stacked
The upper sheave should not be loaded beyond 60% of WLL.



Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29926061BK	60	800	1764	62	5.70
L29927261BK	72	1200	2645	229	8.10
L29929061BK	90	2000	4409	430	15.20

Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29926064BK	60	800	1764	190	6.70
L29927264BK	72	1200	2645	250	8.80
L29929064BK	90	2000	4409	480	16.90

Use M8 (5/16) fixings for the 60/72mm sheaves and M10 for the 90mm sheaves - Not included



SYNCHRO FOOTBLOCK FOOTPRINT

Size	A		B		C	
	mm	in	mm	in	mm	in
60mm	98	$3\frac{7}{8}$	51	2	59	$2\frac{5}{16}$
72mm	110.6	$4\frac{5}{16}$	58	$2\frac{5}{16}$	71	$2\frac{13}{16}$
90mm	134	$5\frac{1}{4}$	69	$2\frac{11}{16}$	89	$3\frac{1}{2}$



HARDWARE - BLOCKS

HTX BLOCKS

Years of design and manufacturing experience, combined with collaboration with boat builders, designers, and sailors, has resulted in the Lewmar HTX Hardware Range. Drawing upon the design of the racing range, the HTX blocks are constructed simply from high quality materials, providing enhanced reliability. Ideal for frequently adjusted, highly loaded systems using modern line technology and reduced line diameters.

Higher efficiency - for faster sail handling and less rope wear.

HTX blocks are more efficient than alternative brands using similar material due to machined bearing pin surface. Their efficiency improves above 450kg as acetal sheaves become self-lubricating at this point.

- Strong aluminium side cheeks
- Central plain bearing for efficiency at high loads
- Side thrust Delrin ball bearings
- Head design inspired by Lewmar Racing
- Range, complete with grub screw swivel head locking mechanism

- A Alloy cheeks
- B Side thrust ball bearings
- C Central plain bearing
- D Head pin design inspired by Lewmar Racing series block
- E High Load capacity and large line size



SINGLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195001	50	800	1762	135	4.7
L29196001	60	1100	2422	215	7.5
L29197201	72	2000	4405	445	15.6
L29199001	90	3500	7709	735	25.8



DOUBLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195002	50	800	1762	217	7.6
L29196002	60	1100	2422	331	11.6
L29197202	72	2000	4405	552	19.3



TRIPLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195003	50	800	1762	305	10.7
L29196003	60	1100	2422	426	14.9



SINGLE & BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195004	50	800	1762	150	5.3
L29196004	60	1100	2422	226	7.9
L29197204	72	2000	4405	482	16.9
L29199004	90	3500	7709	936	32.8



DOUBLE & BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195005	50	800	1762	232	8.1
L29196005	60	1100	2422	319	11.2



SINGLE BECKET & CAM

Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29195009	50	800	1762	320	11.2
L29196009	60	1100	2422	414	14.5

* Block WWL, cleat WLL shown on page 56



TRIPLE BECKET & CAM

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195010	50	800	1762	511	17.9
L29196010	60	1100	2422	710	24.9



WEB SINGLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195047	50	800	1762	80	2.8
L29196047	60	1100	2422	148	5.2
L29197247	72	2000	4405	283	9.9

HTX TRAVELLER RANGE AVAILABLE SOON

Please call 023 8045 4045 or email
sales@aquafax.co.uk for more details.

HTX Blocks

AquaFax

HARDWARE - BLOCKS

FIDDLE

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195031	50	800	1762	165	5.8
L29196031	60	1100	2422	257	9.0
L29197231	72	2000	4405	530	18.5



FIDDLE & BECKET

Part No	Sheave Ø	Working Load Limit		Weight	
		Kg	lb	g	oz
L29195034	50	800	1762	175	6.1
L29196034	60	1100	2422	269	9.4
L29197234	72	2000	4405	560	19.6



FIDDLE & CAM

Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29195037	50	800	1762	335	11.7
L29197237	72	2000	4405	748	26.2

* Block WWL, cleat WLL shown below



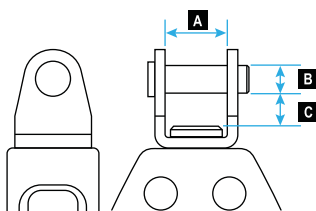
FIDDLE, BECKET & CAM

Part No	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29195039	50	800	1762	346	12.1
L29196039	60	1100	2422	460	16.1
L29197239	72	2000	4405	776	27.2

* Block WWL, cleat WLL shown below



HALYARD BLOCK



The toggle head is designed to fit on the studs commonly found at mast bases. Check the diameter of the stud against the width of the block jaws (A) and pin diameter (B)

	Sheave Ø	Working Load Limit*		Weight		A Width		B Pin		C Space to Pin	
Part No.		Kg	lb	g	oz	mm	in	mm	in	mm	in
L29195021	50	800	1762	160	5.6	15	³⁷ / ₆₄	6	⁷ / ₃₂	8	⁵ / ₁₆
L29196021	60	1100	2422	227	7.9	18	⁴⁵ / ₆₄	8	⁵ / ₁₆	10	³⁷ / ₉₄
L29197221	72	2000	4405	410	14.4	23	⁶⁷ / ₆₄	10	³⁷ / ₆₄	9.5	³ / ₈

HTX BLOCKS ACCESSORIES

Shackle Post Dimensions

	Post Dia.		To fit max pin Ø	
	mm	in	mm	in
50mm HTX	9.4	³ / ₈	5	³ / ₁₆
60mm HTX	11.9	¹⁵ / ₃₂	6	¹ / ₄
72mm HTX	16.5	²¹ / ₃₂	9.8	³ / ₈
90mm HTX	19.8	²⁵ / ₃₂	10	²⁵ / ₆₄

Line Size	Max Line Size	
	mm	in
50mm HTX	10	³ / ₈
60mm HTX	12	¹ / ₂
72mm HTX	14	⁹ / ₁₆
90mm HTX	16	⁵ / ₈

Suitable Block Upstand

Rubber Boot Upstand Kit



Fits HTX
50mm L29195065
60mm L29196065
72mm L29197265

Fit Snap Shackle

For more info refer to page 58



	Fit Snap Shackle
50mm HTX	L29926040
60mm HTX	L29927240
72mm HTX	L29929040
90mm HTX	-

Cleat Used



	Use Cleat	Working Load Limit
50mm HTX	L29104100BK	120kg 264 lb
60mm HTX	L29104110BK	180kg 396 lb
72mm HTX	-	230kg 507 lb

Suitable Traveller Upstand



	Fit Traveller Upstand
50mm HTX	Size 1 NTR
60mm HTX	Size 1 HTX
72mm HTX	Size 2 NTR & Size 2 HTX
90mm HTX	Size 3 NTR

Pad Eyes

Wide range available see page 58 for details.





HARDWARE - BLOCKS

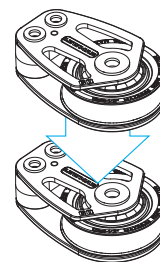
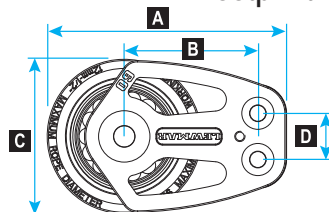
HTX FOOTBLOCK



HTX FOOTBLOCK WITH JAMMER



HTX Footblock Footprint



Use M8 ($\frac{5}{16}$ ") fixings for the 60/72mm sheaves and M10 ($\frac{3}{8}$ ") for the 90mm sheaves (not included).

*Jammer intended to hold hand loads only.
Use M8 ($\frac{5}{16}$ ") fixings for the 60/72mm sheaves & M10 ($\frac{3}{8}$ ") for the 90mm sheaves (not included).

Standard and jammer options can be double stacked. The upper sheave should not be loaded beyond 60% of Working Load Limit (WLL)

Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29195061	50	800	1762	145	5.1
L29196061	60	1100	2422	158	5.5
L29197261	72	2000	4405	283	9.9
L29199061	90	3500	7709	672	23.5

Part No.	Sheave Ø	Working Load Limit*		Weight	
		Kg	lb	g	oz
L29195064	50	800	1762	107	3.7
L29196064	60	1100	2422	170	6.0
L29197264	72	2000	4405	320	11.2

Sheave Ø	A mm	B mm	C mm	D mm
50	78.7	44	50	16
60	93.2	52	60	18
72	111.2	62	72	22
90	140.5	78	90	24

Part No.s in red = TO ORDER

RACING BLOCKS

Lewmar Racing Blocks represent the pinnacle of Lewmar's standard block range. Manufactured from the best materials, they offer incredible strength to weight ratios.



RACING BLOCKS

- Lockable head pin
- High efficiency central bearing
- Delrin thrust balls
- Ratchet fiddle blocks feature alloy ratchet sheaves and recessed ratchet lever

HIGH LOAD RACING BLOCKS

- Lockable head pin
- Highly efficient needle roller bearing system
- Delrin thrust balls
- Machined slots in cheeks for easy flushing of bearings



**For More Details Call: 023 8045 4045
or email: sales@aquafax.co.uk**

OCEAN SNATCH BLOCKS

Ideal for general spinnaker use, the Snatch Block features the Lewmar snap shackle and soft, synthetic rubber cheeks to handle rough treatment.

Where a snatch block is attached in a situation which does not permit full movement, such as through some toe rails, a shackle must be used to ensure full articulation.

Designed for line handling on sail boats only.



L19810600



L19820600



L19830500

Part No.	Size	Bearing	Sheave Dia. Material	Safe Working Load		Breaking Load		Sheave Dia.		Sheave Width		Line Size		Weight	
				kg	lb	kg	lb	mm	in	mm	in	mm	in	g	oz
L19810600	1	Stainless Steel	Delrin	1135	2500	2270	5000	66	2 $\frac{5}{8}$	20	$\frac{3}{4}$	14	$\frac{5}{16}$	480	17
L19820600	2	Stainless Steel	Delrin	1590	3500	3180	7000	80	3 $\frac{1}{8}$	20	$\frac{3}{4}$	16	$\frac{5}{8}$	880	31
L19830500	3	Needle Roller	Aluminium	2155	4750	4310	9500	80	3 $\frac{1}{8}$	20	$\frac{3}{4}$	16	$\frac{5}{8}$	1040	36.5

Snap Shackles, Block Upstands & Pad Eyes

Aquafax

HARDWARE

SYNCHRO SNAP SHACKLES



L29925040



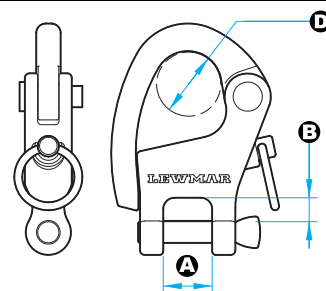
L29926040



L29927240



L29929040



SYNCHRO SNAP SHACKLE SPECIFICATIONS

Part No.	Size	Description	Safe Working Load		Breaking Load		Pin Dia.		A		B		D	
			kg	lb	kg	lb	mm	in	mm	in	mm	in	mm	in
L29925040	50	Synchro Snap Shackle	450	990	900	1980	4	1/8	9	3/8	4.5	3/16	12	1/2
L29926040	60	Synchro Snap Shackle	800	1760	1600	3520	5	3/16	12	1/2	6	1/4	14	9/16
L29927240	72	Synchro Snap Shackle	1100	2420	2200	4840	6	1/4	13	1/2	6.5	1/4	18	11/16
L29929040	90	Synchro Snap Shackle	2000	4400	4000	8800	9.5	3/8	17.5	11/16	7.5	5/16	22	7/8

BLOCK ACCESSORIES

BLOCK UPSTANDS



L29904046



L29904050

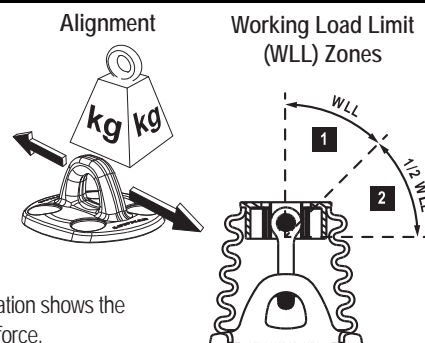


L29195065
L29196065
L29197265

Care must be taken during installation that the block upstand is suitably aligned to the expected load.

The load direction should be as close to perpendicular with the base as possible (as shown on the Alignment illustration). This will maximise the working load of the pad eye. In addition, the load should be as close to parallel with the bail as possible.

The Working Load Limit (WLL) Zones illustration shows the recommended WLL relative to the applied force.



BLOCK UPSTAND SPECIFICATIONS

Part No.	To Suit Block	Working Load Limit Zone 1		Working Load Limit Zone 2		Weight		Base Dia	
		kg	lb	kg	lb	kg	lb	mm	in
L29904046	30 & 40mm Control Blocks	400	990	200	495	24	0.8	30	1 3/16
L29904050	60mm Ratchet Triple and 60mm Synchro Blocks	400	990	200	495	24	0.8	45	1 3/4
L29195065	50mm HTX, 60mm Synchro, 60mm Ratchet Single/Fiddle	800	1760	400	990	105	3.7	58	2 1/4
L29196065	60mm HTX, 72mm Synchro, 60mm Racing Low-Load Single	1100	2420	550	1211	105	3.7	58	2 1/4
L29197265	72mm HTX, 90mm Synchro Blocks	2000	4400	1000	2200	210	7.4	73	2 7/8

PAD EYES



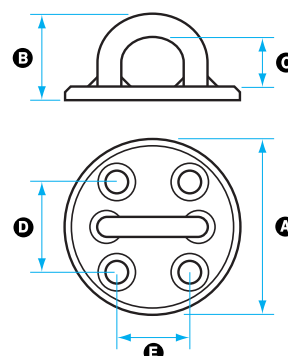
L29904060



L29904040



L29904041



Part No.	A		B		C		D		E		Fixing	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
L29904060	66	2 13/32	33	1 1/16	18	2 3/32	34	1 11/32	28	1 1/32	4xM8	4x 3/16
L29904040	38	1 1/2	24	1 5/16	14	9/16	23	1 5/16	46	1 13/16	4xM5	4x 3/16
L29904041	70	2 3/4	37	1 7/16	21	7/8	38	1 1/2	38	1 1/2	4xM8	4x 5/16

PAD EYE SPECIFICATIONS

Part No.	Size	Description	Safe Working Load		Breaking Load		Weight		Bar Dia.		Base Dia.	
			kg	lb	kg	lb	g	oz	mm	in	mm	in
L29904060	60/80	Halyard Pad Eye	3200	7054	6400	14110	154	5.4	10	3/8	66	2 5/8
L29904040	-	Gibb Diamond Pad Eye	1135	2502	2270	5004	45	1.6	6	7/32	60 x 38	2 3/8 x 2 1/2
L29904041	-	Gibb Square Pad Eye	3180	7011	6360	14021	227	8.0	9	5/16	70 x 70	2 3/4 x 2 3/4



HARDWARE

TRAVELLER SYSTEMS

Lewmar's integrated range of mainsheet travellers and Genoa cars are fast, functional and attractive – perfect for everything from day boats to offshore cruisers and Grand Prix racers.

Styled Stainless Genoa Steel Stirrup
Available in size 1, 2 & 3

Minimalistic car body
Lightweight, low profile extrusion

Bearings
Torlon ball car for high loads and heavy duty applications

Upstand
Will incline to horizontal

Buffers
Prevent stainless steel to alloy clash



Sheaves
Larger sheaves, ball options on size 2

Slide on ball return tubes
Flush Slots

End Caps
CNC Machined alloy end caps for ultimate precision and durability

Track
Cars run on current Ocean Track

FEATURES

- Broad range – Suitable for craft from 6m (20ft) – 30m (100ft)
- Re-Circulating ball bearing cars and slide rod car options
- Short cars for radiused tracks and long cars for compact multiple block attachment
- 2 style of car links for short and standard length cars
- Modular system creates multiple options and creative solutions
- Ball bearing control line options on size 2 and 3
- Lock-on alloy cam plate extrusions on size 1 and 2 end stops
- Cam cleat on car available in size 1 and 2
- Surface mounted end stops eliminates leakage
- Mainsheet kits provide a complete system in one package

TRAVELLER SYSTEMS - SELECTION GUIDE

This selection guide is designed to be used as a quick reference only. Contact us for more detailed product information. Calculations are based on the average modern cruising yacht. Sail area, different rigs, heavy or light displacement, multihull or monohull, are all factors which effect a yacht's specifications. Loadings should be obtained from the designer and matched to the safe working load of the hardware. Please contact your Aquafax representative if you have any questions regarding the correct hardware for your boat.

CARS SELECTION GUIDE

Application & Sheeting Position	Size	Towing Purchase (Max available purchase)	m ft	Boat Length Overall									
				7.3 24	8.5 28	10.3 34	11.5 38	13.4 44	14.6 48	16.4 54	18.2 60	21.3 70	21+ 70+
Genoa	0	2:1											
End Boom Mainsheet	0	2:1											
Mid Boom or Multihull	0	2:1											
Genoa	1	4:1 or 2:1 to Winch											
End Boom Mainsheet	1	4:1											
Mid Boom or Multihull	1	4:1											
Genoa	2	4:1 or 2:1 to Winch											
End Boom Mainsheet	2	5:1											
Mid Boom or Multihull	2	5:1											
Genoa	3	5:1 or 2:1 to Winch											
End Boom Mainsheet	3	5:1 or 2:1 to Winch											
Mid Boom or Multihull	3	5:1 or 2:1 to Winch											

Ocean/NTR Size 1, 2 and 3 Tracks

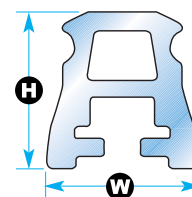
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HARDWARE



BEAM TRACK (including HD Beam Track)

Beam track is used when spanning cockpits and across companion way hatches. Three fixing bolts should always be used either side of the span and washers fitted under the head of the bolt and between track and deck. Some beam track can only use metric fasteners. Made of Aluminium 6082T6 extrusion.

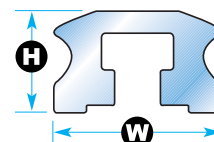


Part No.	Description	Size	Actual Length m ft	H Height mm in	W Width mm in	Weight (Per Metre) g oz	Max Span Between Fixings mm in	Fixings Metric Imperial
L29160315BK	Beam Track	0	1.5 4'11"	24.7 0.97	24 0.44	954 33.65	400 16	Hex Hd M6 1/4"
L29162315BK	Beam Track	2	1.5 4'11"	35 1.38	35 1.38	1560 54.91	800 31 1/2	Hex Hd M10 -
L29162320BK		2	2.0 6'7"					
L29163315BK	Beam Track	3	1.5 4'11"	55 2.16	50 1.97	3640 128.13	900 35 7/16	Hex Hd M12 -
L29163320BK		3	2.0 6'7"					
L29163330BK		3	3.0 9'10"					
L29161510BK	HD Beam Track	1	1 3'3"	42 1.75	32 1.25	1770 62.4	900 35 7/16	Hex Hd M8 5/16"
L29161515BK		1	1.5 4'11"					
L29161520BK		1	2 6'7"					
L29162515BK	HD Beam Track	2	1.5 4'11"	51 2	51 2	3000 105.82	900 35 7/16	Hex Hd M10 3/8"
L29162520BK		2	2 6'7"					



SLIDING BOLT TRACK

Sliding bolt track has a smooth clean profile with no visible fixings and the ability to be retro-fitted using original bolt holes – no need to worry about old track pattern holes matching up with a new track. The track is designed to permit a washer to fit on each bolt between the track and deck to ensure a secure seal.

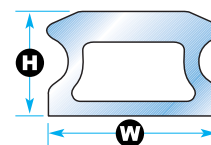


Part No.	Description	Size	Actual Length m ft	H Height mm in	W Width mm in	Weight (Per Metre) g oz	Max Span Between Fixings mm in	Fixings Metric Imperial
L29161110BK	Sliding Bolt Track	1	1 3'3"	14 0.56	23 0.90	520 18.30	100 4	Hex Hd M6 1/4"
L29161115BK		1	1.5 4'11"					
L29161120BK		1	2.0 6'7"					
L29161130BK		1	3.0 9'10"					
L29162115BK	Sliding Bolt Track	2	1.5 4'11"	18 0.71	30 1.18	839 29.56	800 31	Hex Hd M8 5/16"
L29162120BK		2	2.0 6'7"					
L29162130BK		2	3.0 9'10"					
L29162140BK		2	4.0 13'1"					



DRILLED TRACK

Drilled track is commonly used and particularly useful where through deck fixing is not possible, such as in double skinned boats, where fixing bolts are trapped into a plate in the deck.



Part No.	Description	Size	Actual Length m ft	H Height mm in	W Width mm in	Weight (Per Metre) g oz	Max Span Between Fixings mm in	Fixings Metric Imperial
L29160415BK	Drilled Plunger Track	0	1.466 4' 11"	11 0.43	19 0.75	342 12.06	80 3.1	Hex Hd M5 -
L29161415BK	Drilled Plunger Track	1	1.526 5'	13 0.50	23 0.90	530 18.65	100 4	Hex Hd M6 1/4"
L29161420BK		1	2.026 6' 8"					
L29161430BK		1	3.026 9' 11"					
L29162415BK	Drilled Plunger Track	2	1.532 5'	15 0.56	30 1.18	764 26.95	100 4	Hex Hd M8 5/16"
L29162420BK		2	2.032 6' 3"					
L29162430BK		2	3.032 10'					
L29163615BK	Drilled Plunger Track	3	1.548 5' 1"	21 0.84	35 1.38	968 33.88	100 4	Hex Hd M10 3/8"
L29163620BK		3	2.048 6' 9"					
L29163630BK		3	3.048 10' 1"					

Part No.s in Red = TO ORDER



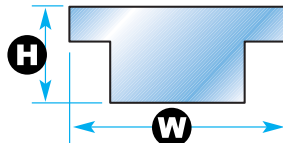


HARDWARE



32MM OR 1 1/4" T-TRACK (Grey)

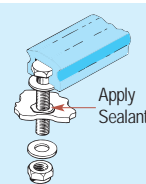
32mm or 1 1/4" T-Track is widely used on cruising boats where car sheeting positions change infrequently



Additional Information

Tracks can be bent to suit customer's requirements, please contact Aquafax for more information.

Stainless Steel track is available in 40mm T-Track, Size 3 and Size 4.

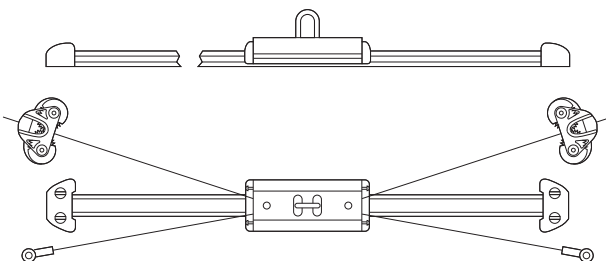


Part No.	Nominal Length		H Height		W Width		Weight (Per Metre)		Max Safe Working Load of Car		Max Span Between Fixings		Fixings	
	m	ft	mm	in	mm	in	g	oz	kg	lb	mm	in	Metric	Imperial
L29166215	1.5	4'11"												
L29166225	2.5	8'2"	15	5/8	32	1 1/4	865	30.5	2350	5170	100	4	CSK	
L29166230	3.0	9'10"											M8	5/16"

For black T-track add BK to end of part no. e.g L29166215BK.

SIZE 0 OCEAN TRAVELLER KIT

Lewmar makes selecting your mainsheet system simple – with complete Mainsheet System Kits. Lewmar's Size 0 Ocean Mainsheet System is a complete kit made specifically for yachts up to 28 feet (8.5m) long.



SIZE 0 OCEAN TRAVELLER KIT – 2:1 PURCHASE SYSTEM

L29060152BK Size 0 Ocean Traveller System

Comprises of:

L29030100BK	1 x - Mainsheet Car
L29170040BK	2 x - End Stop
L29160112	1 x - 1.2m Sliding Bolt Track
L29171010	1 x - Size 1 Dead Eye
L29904100BK	2 x - Small Composite Cleat
L29904104BK	2 x - Small Cam Fairlead

Boat Size:	Up to 8.5m	Up to 28ft
Max. Mainsail Area:		
End Boom:	16m ²	170 ft ²
Mid Boom:	12m ²	130 ft ²
Safe Working Load:	400kg	990 lbs



NTR MAINSHEET TRAVELLER SYSTEMS

Traveller kits are made up of all the necessary components to assemble a standard system.

Each one comes with Lewmar's sliding bolt track, which allow you to retrofit the new track to your deck using the original bolt holes.



SIZE 1 & 2 TRAVELLER KIT — 4:1 PURCHASE SYSTEM

	Size 1	Size 2
Traveller System	L29461354BK	L29462354BK
Comprises of:		
1 x Mainsheet Car Shackle and 2 Double Control Line Sheave, Cleats & Becket	L29431916BK	L29432916BK
2 x End stop with Double Control Line sheaves	L29471032BK	L29472032BK
1 x Sliding Bolt Track	L29161115BK	–
Track Length	1.5m	1.8m

Boat Size:	Up to 11m (36ft)	Up to 14.6m (48ft)
Max. Mainsail Area:		
End Boom:	34m ² (366ft ²)	46m ² (495ft ²)
Mid Boom:	21m ² (226ft ²)	38m ² (410ft ²)
Safe Working Load:	900kg (1980 lb)	1000kg (2000 lb)

Mainsheet Traveller Kit - Size 1
L29461354BK

Mainsheet Traveller Kit - Size 2
L29462354BK



SIZE 1 MAINSHEET SYSTEM

In the Size 1 kit, you'll find all the components necessary to assemble a standard system for yachts up to 36 feet (11m) long.

SIZE 2 MAINSHEET SYSTEM

Like the size 1 system, the Size 2 Mainsheet system comes with everything you need for a complete standard system, including the sliding bolt track. A Size 2 can fit yachts up to 49 feet (15m) long.

DELIVERY For lengths from 1.5m to 2.5m (inclusive), we can deliver via a 48 hr service at an additional charge. For longer lengths please contact your local sales depot.



HARDWARE - CARS

NTR TORLON BALL (TB) MAINSHEET CARS SIZE 1, 2 AND 3



TB SHORT CAR WITH SHACKLE

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29421300BK	1	600	1329	107	4 1/16	71	2 3/4	228	8.00
L29422300BK	2	1100	2420	140	5 1/2	92	3 5/8	386	13.6
L29423301BK	3	2000	4400	150	5 15/16	88	3 1/2	680	24.0



TB SHORT CAR WITH UPSTAND

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29421400BK	1	600	1329	107	4 1/16	71	2 3/4	241	8.50
L29422400BK	2	1100	2420	140	5 1/2	92	3 5/8	397	14
L29423400BK	3	2000	4400	150	5 15/16	88	3 1/2	781	27.3



TB CAR WITH SHACKLE

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431300BK	1	900	1980	162	6 3/8	71	2 3/4	313	11.0
L29432300BK	2	1500	3300	210	8 5/16	92	3 5/8	639	22.5
L29433300BK	3	2500	5500	215	8 1/2	88	3 1/2	924	32.3

Part No.s in red = TO ORDER

* L29432420BK fitted with size 3 upstand

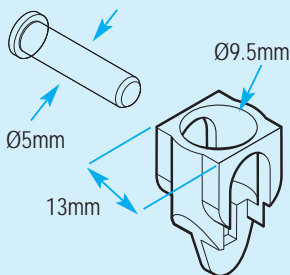


TB CAR WITH UPSTAND

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431400BK	1	900	1980	162	6 3/8	71	2 3/4	364	12.8
L29432400BK	2	1500	3300	210	8 5/16	92	3 5/8	767	27
L29432420BK*	2*	2000	4400	210	8 5/16	92	3 5/8	839	33
L29433400BK	3	2500	5500	215	8 1/2	88	3 1/2	743	26.0

UPSTAND CUP DETAILS

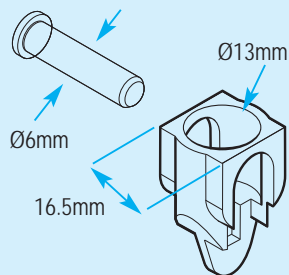
Size 1



Size 1 upstand fits the following blocks:

- 60 synchro blocks
- 50 HTX blocks

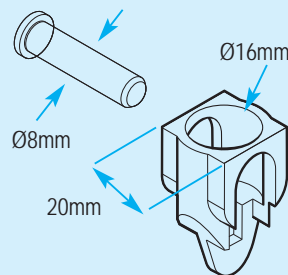
Size 2



Size 2 upstand fits the following blocks:

- 72 synchro blocks
- 60 HTX blocks
- 60 / 60HL and 80 Racing blocks

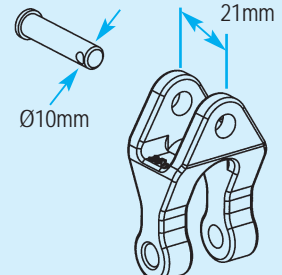
Size 3



Size 3 upstand fits the following blocks:

- 90 synchro blocks
- 72 HTX blocks
- 80HL Racing blocks

Size 3HL



Size 3HL upstand fits the following blocks:

- 105 synchro blocks
- 90 HTX blocks
- 105 Racing blocks



HARDWARE - CARS

NTR TORLON BALL (TB) MAINSHEET CARS SIZE 1, 2 AND 3 continued



TB CAR WITH SHACKLE & SINGLE CONTROL LINE SHEAVES

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431311BK	1	900	1980	162	6 ³ / ₁₆	71	2 ³ / ₄	374	13.2
L29432311BK	2	1500	3300	210	8 ⁵ / ₁₆	92	3 ⁵ / ₈	747	26.3



TB CAR WITH SHACKLE, SINGLE CL SHEAVES & BECKET

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431315BK	1	900	1980	162	6 ³ / ₁₆	71	2 ³ / ₄	378	13.2
L29432315BK	2	1500	3300	210	8 ⁵ / ₁₆	92	3 ⁵ / ₈	867	34.1



TB CAR WITH UPSTAND, SINGLE CL SHEAVES & BECKET

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431415BK	1	900	1980	162	6 ³ / ₁₆	71	2 ³ / ₄	472	16.6
L29432415BK	2	1500	3300	210	8 ⁵ / ₁₆	92	3 ⁵ / ₈	993	35

* L29432372BK fitted with double ball bearing control line sheaves.



TB CAR WITH SHACKLE & DOUBLE CONTROL LINE SHEAVES

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431312BK	1	900	1980	162	6 ³ / ₁₆	71	2 ³ / ₄	435	15.3
L29432312BK	2	1500	3300	210	8 ⁵ / ₁₆	92	3 ⁵ / ₈	871	30.7
L29432372BK	2*	1500	3300	210	8 ⁵ / ₁₆	92	3 ⁵ / ₈	880	34.6
L29433314BK	3	2500	5500	215	8 ¹ / ₂	88	3 ¹ / ₂	993	34.8

* L29431712BK fitted with size 2 upstand



* L29432424BK fitted with size 3 upstand



TB CAR WITH UPSTAND & DOUBLE CONTROL LINE SHEAVES

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431412BK	1	900	1980	162	6 ³ / ₁₆	71	2 ³ / ₄	486	17.1
L29431712BK	1*	900	1980	162	6 ³ / ₁₆	71	2 ³ / ₄	486	17.1
L29432412BK	2	1500	3300	210	8 ⁵ / ₁₆	92	3 ⁵ / ₈	997	35.1
L29432424BK	2*	2000	4400	210	8 ⁵ / ₁₆	92	3 ⁵ / ₈	1050	37
L29433414BK	3	2500	5500	215	8 ¹ / ₂	88	3 ¹ / ₂	1200	42
L29443604BK	3*	3500	7700	270	10 ⁵ / ₁₆	88	3 ¹ / ₂	1610	56.8

* L29443604BK fitted with size 3 HL upstand



TB CAR WITH UPSTAND, DOUBLE CONTROL LINE SHEAVES & BECKET

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431416BK	1	900	1980	162	6 ³ / ₁₆	71	2 ³ / ₄	540	19.0
L29432416BK	2	1500	3300	210	8 ⁵ / ₁₆	92	3 ⁵ / ₈	1117	39.4
L29433416BK	3	2500	5500	215	8 ¹ / ₂	88	3 ¹ / ₂	1790	62.6

Part No.s in red = TO ORDER

HARDWARE - CARS

NTR TORLON BALL (TB) MAINSHEET CARS SIZE 1, 2 AND 3 continued

TB CAR WITH SHACKLE AND PLUNGER



Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431337BK	1	900	1980	162	6 3/8	71	2 3/4	364	12.8

TB CAR WITH SHACKLE, DOUBLE CL SHEAVES & CAM (4:1)



Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431834BK	1	900	1980	162	6 3/8	97	3 3/4		

TB CAR WITH UPSTAND, DOUBLE CL SHEAVES & CAM (4:1)



Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431814BK	1	900	1980	162	6 3/8	97	3 3/4	759	26.7
L29432814BK	2	1500	3300	210	8 1/8	120	4 3/4	1496	52.7

TB CAR WITH SHACKLE, DOUBLE CL SHEAVES, BECKET & CAM (5:1)



Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29431916BK	1	900	1980	162	6 3/8	97	3 3/4	799	28.2
L29432916BK	2	1500	3300	210	8 1/8	120	4 3/4	1730	68.1

NTR TORLON BALL (TB) GENOA CARS SIZE 1, 2 AND 3



L29441301BK



L29441345BK

TB GENOA CAR WITH BECKET

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29441301BK	1*	900	1980	162	6 3/8	71	2 3/4	577	20.3
L29442301BK	2*	1800	3960	210	8 1/8	120	4 3/4	1327	46.8

TB CAR GENOA STIRRUP, SINGLE CL SHEAVE AND BECKET

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29441345BK	1*	900	1980	162	6 3/8	71	2 3/4	566	19.9
L29442345BK	2*	1800	3960	210	8 1/8	120	4 3/4	1359	47.9

* Limiter supplied non-assembled for a port or starboard application

*TB Genoa Car with
Double Control Line
Sheaves Available
To Order*



TB GENOA CAR WITH SINGLE CONTROL LINE SHEAVE

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29441311BK	1*	900	1980	162	6 3/8	71	2 3/4	560	19.8
L29441321BK	1 Port	900	1980	162	6 3/8	71	2 3/4	560	19.8
L29441331BK	1 Stbd	900	1980	162	6 3/8	71	2 3/4	560	19.8
L29442311BK	2*	1800	3960	210	8 1/8	120	4 3/4	1330	46.9
L29442321BK	2 Port	1800	3960	210	8 1/8	120	4 3/4	1330	46.9
L29442331BK	2 Stbd	1800	3960	210	8 1/8	120	4 3/4	1330	46.9
L29443311BK	3	3500	7700	215	8 1/2	88	3 1/2	1565	54.8
L29443611BK	3	5000	11000	320	12 5/8	88	3 1/2	1565	54.8

Part No.s in red = TO ORDER

* Limiter supplied non-assembled for a port or starboard application



HARDWARE - CARS

NTR SLIDE RODS (SR) CARS SIZE 1, 2 AND 3



SR CAR WITH SHACKLE
AND PLUNGER STOP

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29441723BK	1	1000	2200	162	6 ³ / ₈	50	2	264	9.3
L29442723BK	2	2000	2200	210	8 ⁵ / ₁₆	65	2 ⁵ / ₈	577	19.6



SR CAR WITH SHACKLE AND
SINGLE CONTROL LINE SHEAVES

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29432511BK	2	2000	4400	210	8 ⁵ / ₁₆	65	2 ⁵ / ₈	667	23.5



SR CAR WITH SHACKLE AND
DOUBLE CONTROL LINE SHEAVES

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29432512BK	2	2000	4400	210	8 ⁵ / ₁₆	65	2 ⁵ / ₈	791	27.9

Part No.s in red = TO ORDER



SR GENOA CAR
WITH PLUNGER STOP

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L294417**BK	1	1000	2200	162	6 ³ / ₈	50	2	480	16.8
L294427**BK	2	1800	3960	194	7 ⁷ / ₈	65	2 ⁵ / ₈	1201	42.4
L29443700BK	3 (NTR Track)	3500	7700	180	7 ¹ / ₁₆	70	2 ¹³ / ₁₆	1410	49.4
L29443700CBK	3 (Ocean Track)	3500	7700	180	7 ¹ / ₁₆	70	2 ¹³ / ₁₆	1410	49.4
L29443702BK	3 (NTR composite sheave)	2250	4950	180	7 ¹ / ₁₆	70	2 ¹³ / ₁₆	1079	37.8

** Insert 00 for limiter non-assembled, 20 for port limiter & 30 for starboard limiter.

GENOA T-TRACK CARS

All Lewmar Track cars fit the industry standard 32mm (1¹/₄"). The cars are available in three styles and cover three different loading levels to suit boats from 9m (30ft) up to 15.5m (50ft).

- Precision Workmanship
- Low Maintenance
- Three Styles
- Colour Grey
- Simple to fit

Additional Information: 32mm T-Track is a universal track widely accepted and used on many boats up to 50ft. For details see p.61.



L29041700



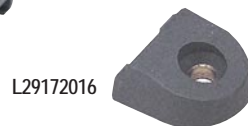
L29042700



L29442705



L29172015



L29172016

GENOA CARS & T-TRACK ACCESSORIES – SPECIFICATIONS

Part No.	Size	Description	Safe Working Load		Breaking Load		Length		Width		Weight	
			kg	lb	kg	lb	mm	in	mm	in	g	oz
L29041700	1	Plunger Car	900	1980	1800	3960	111	4 ³ / ₈	56	2 ¹ / ₄	540	19.1
L29042700	2	SS Stirrup, plunger car	1500	3300	3000	6600	120	4 ¹¹ / ₁₆	56	2 ¹ / ₄	719	25.3
L29042704	2	Control Line Sheave Car	1500	3300	3000	6600	128	5	56	2 ¹ / ₄	719	25.3
L29442705	2	Tri-Roller Genoa Car	1500	3300	3000	6600	147	5 ³ / ₄	64	2 ¹ / ₂	767	27.1
L29043702	3	SS Stirrup, Plunger Car	2350	5170	4700	10340	170	6 ³ / ₄	56	2 ¹ / ₄	1199	47.3
L29172015		Control Line End Stop	-	-	-	-	-	-	-	-	120	4.2
L29172016		Track End Stop	-	-	-	-	-	-	-	-	19	0.7

NTR End Stops Size 1, 2 and 3



Aquafax

HARDWARE - END STOPS

NTR END STOPS SIZE 1, 2 AND 3

HARDWARE



SIZE 1 IMPACT END STOP

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29905105BK	1	500	1100	40	1½	46	1¾	24	0.8



SIZE 2 IMPACT END STOP

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29905200BK	2	1250	2755	114	4½			158	5.6



SIZE 3 IMPACT END STOP

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29473030BK	3	2200	4840	93	3⅜	70	2⅜	247	8.7



BARE END STOP

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29471030BK	1	585	1287	47	1⅞	29	1⅛	99	3.5
L29472030BK	2	750	1650	105	4⅛	65	2⅝	238	8.4



END STOP WITH SINGLE CL SHEAVE

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29471031BK	1	585	1287	75	1⅝	50	2	140	4.9
L29472031BK	2	750	1650	105	4⅛	65	2⅝	301	10.6



END STOP WITH SINGLE CL SHEAVE AND BECKET

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29471035BK	1	585	1287	47	1⅝	29	1⅛	165	5.8
L29472035BK	2	750	1650	105	4⅛	65	2⅝	331	11.7
L29473035BK	3	800	1760	93	3⅜	70	2⅜	381	13.3
L29473135BK	3(HL)	3000	6600	140	5½	70	2⅜	537	18.8



END STOP WITH DOUBLE CL SHEAVES

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29471032BK	1	585	1287	75	1⅝	50	2	172	6.1
L29472032BK	2	750	1650	105	4⅛	65	2⅝	363	12.8
L29473032BK	3	800	1760	93	3⅜	70	2⅜	390	13.7



END STOP WITH DOUBLE CL SHEAVES, BECKET & CAM (pair)

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	Lb	mm	in	mm	in	g	oz
L29471836BK	1	585	1287	75	2⅞	78	3⅝	258	9.1
L29472836BK	2	750	1650	105	4⅛	112	4⅝	602	21.2

HARDWARE - END STOPS

NTR END STOPS SIZE 1, 2 AND 3 continued

** Fitted with HD1 control line sheaves



END STOP WITH DOUBLE CL SHEAVES & BECKET

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29471036BK	1	585	1287	47	1 ⁵⁵ / ₆₄	29	1 ¹ / ₆₄	185	6.5
L29472036BK	2	750	1650	105	4 ¹ / ₈	65	2 ⁵ / ₈	393	13.8
L29472616BK	2**	750	1650	105	4 ¹ / ₈	65	2 ⁵ / ₈	400	14.1
L29473036BK	3	800	1760	93	3 ¹¹ / ₁₆	70	2 ¹³ / ₁₆	460	16.1
L29473136BK	3(HL)	3000	6600	140	5 ¹ / ₂	70	2 ¹³ / ₁₆	769	27.1



*Size 3 plunger stop:

If retrofitting check your track :

- L29473037BK fits size 3 NTR tracks (12mm Ø plunger holes)
- L29473037CBK fits size 3 Ocean tracks (9.5mm Ø plunger holes)



END STOP SHEET LEAD

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29441701BK	1	1000	2200	162	6 ³ / ₈	50	2	480	16.8
L29442701BK	2	1800	3960	194	7 ⁵ / ₈	65	2 ⁵ / ₈	1134	40

PLUNGER STOP

Part No	Size	Working Load Limit		Length		Width		Weight	
		Kg	lb	mm	in	mm	in	g	oz
L29471037BK	1	650	1430	43	1 ¹¹ / ₁₆	50	2	83	2.9
L29472037BK	2	975	2145	87	3 ³ / ₈	65	2 ⁵ / ₈	261	9.2
L29473037BK	3*	2000	4400	80	3 ³ / ₁₆	70	2 ¹³ / ₁₆	298	10.4
L29473037CBK	3*	2000	4400	80	3 ³ / ₁₆	70	2 ¹³ / ₁₆	298	10.4



TRACK END

Part No	Size	Weight	
		g	oz
L29171040BK	1	22	0.77
L29172040BK	2	30	1.1
L29173040BK	3	42	1.5

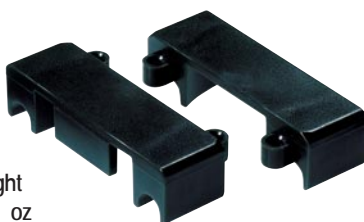


SHORT CAR LINK

Part No	Size
L29471063BK	1
L29473063BK	3

BEAM TRACK END COVER (Pair)

Part No	Size	Weight	
		g	oz
L29471041BK	1	12	0.4
L29472041BK	2	26	0.9
L29473041BK	3	42	1.5



HD BEAM TRACK END COVER (Pair)

Part No	Size	Length		Width		Weight	
		mm	in	mm	in	g	oz
L29471042BK	1	13	1/2	50	2	18	0.6
L29472042BK	2	22	7/8	65	2 ⁵ / ₈	40	1.4











HTX Travellers & End Stops

Available soon - please contact us for more information.



HARDWARE - NTR ACCESSORIES

CUSTOMISE YOUR OWN NTR CAR

SIZE 1	1. Basic Car	2. Car Sheaves & Control	3. Upstand & Genoa
			
Torlon Ball Car with Shackle L29431300BK	Slide Rod Plunger Car with Shackle L29441723BK	Double Control Line Sheave (pair) L29471011BK	Upstand L29171024
		Double Control Line Sheaves & Cams L29471018BK	
		Becket Assembly (pair) No Screws L29471018	
(Dome Head S/S Socket Screws to Suit Becket Assemblies)	Part No. LB4205 LB4211 LB4213	Size M6 x 25mm M6 x 43mm M6 x 50mm	Sheave & Becket Kit Requirement * * *
			Use Loctite 243 on fixing screws Part No. 5-21141/1
SIZE 2	1. Basic Car	2. Car Sheaves & Control	3. Upstand & Genoa
			
Torlon Ball Short Car with Shackle L29422300BK	Torlon Ball Car with Shackle L29432300BK	Slide Rod Plunger Car with Shackle L29442723BK	Double Control Line Sheaves & Cams L29472018BK
			Becket Assembly (pair) No Screws L29472015
			Stirrup Genoa Assembly L28003226BK
			Size 2 Upstand Kit L29172024
			Size 3 Upstand Kit L29473024
(Dome Head S/S Socket Screws to Suit Becket Assemblies)	Part No. LB20206 LB11799	Size M8 x 55mm M8 x 60mm	Sheave & Becket Kit Requirement * * *
			Use Loctite 243 on fixing screws Part No. 5-21141/1

Part No.	Description	Where Used	Dia. mm	in
Torlon Balls for Ocean & NTR Cars				
L29171021	Torlon Balls (per 100)	SZ1 Ocean & NTR Cars	6.4	1/4
L29172021	Torlon Balls (per 100)	SZ2 Ocean & NTR Cars	7.8	5/16
L29173021	Torlon Balls (per 100)	SZ3 Ocean and NTR Cars	9.5	3/8
L29174021	Torlon Balls (per 100)	SZ4 Ocean 12.7 1/2		
Delrin Balls for Blocks				
L29175022	Delrin Balls (per 100)	60HL Footblocks	3.2	1/8
L29170022	Delrin Balls (per 100)	60LL+80HL+105 +130 Blocks/Footblocks	4.6	3/16
L29171022	Delrin Balls (per 100)	80LL+105+155	6.4	1/4

Part No.s in Red = TO ORDER

Part No.	Description	Where Used	Dia. mm	in
Slide Rods for Ocean Cars				
L29170026	Slide Rods (per pair)	SZ0 Cars	4.6	3/16
L29171026	Slide Rods (per pair)	SZ1 Cars	6.4	1/4
L29172026	Slide Rods (per pair)	SZ2 Cars	7.8	5/16
L29173026	Slide Rods (per pair)	SZ3 Cars	9.5	3/8



Part No.	Description	Block Size
Torlon Rollers for Racing Blocks & CL Sheaves		
L29900010	Torlon Roller (per 22)	60mm
L29900011	Torlon Roller (per 24)	80mm

Other sizes available.

OCEAN TRAVELLER CAR ACCESSORIES

Part No.	Size	Description
L29170046	0	Rubber Buffer Kit
L29171046	1	Rubber Buffer Kit
L29172046	2	Rubber Buffer Kit
L29173046	3	Rubber Buffer Kit
L29171020	1	Stainless Steel Cam Plate (Sizes 0 and 1 are the same size)
L29172020	2	S/S Cam Plate
L29173020	3	S/S Cam Plate
L25000009	1	Ocean Control Line Sheave
L25000010	1	Ocean Control Line Bearing
L25000031	2	Ocean Control Line Sheave
L25000037	2	Ocean Control Line Bearing
L25000104	3	Ocean Control Line Sheave
L25000103	3	Ocean Control Line Bearing
L25000027	1	Mainsheet Upstand Cup
L25000053	2	Mainsheet Upstand Cup
L25004741	3	Mainsheet Upstand Cup
L29173024	3	Ocean Upstand Cup



Ocean Control Line Sheave



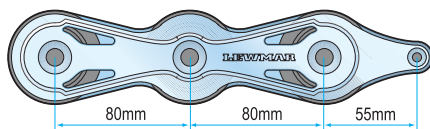
Mainsheet Upstand Cup



HARDWARE - ORGANISERS

FLUSH FIXINGS SYNCHRO ORGANISERS

- All organisers have space to pass two lines between each sheave
- Bushed sheaves with side thrust ball bearings
- Wide rope entry
- Fixings are not included



L29916060BK
Synchro Three
Sheave Single



L29916042BK
Synchro Six Sheave
Double Stacked

SYNCHRO ORGANISER SPECIFICATIONS

Part No.	Sheave Dia. mm in	No. of Sheaves	Safe Working Load kg lb	Max Working Load of Sheave kg lb	Max Line Size mm in	Length mm in	Weight gm oz	Fixings (not included) mm in
L29916060BK	60 2 ³ / ₈	3	2550 5500	1100 2420	12 1/2	256 10 ¹ / ₁₆	329 12.9	M10 3/8
L29916042BK	60 2 ³ / ₈	6	3700 8156	1100 2420	12 1/2	256 10 ¹ / ₁₆	602 21.2	M10 3/8

BUSHED SHEAVE ORGANISERS

- Tough acetal sheaves fitted
- Stackable
- Fixings are not included

L29139122BK



L29139114BK



BUSH SHEAVED ORGANISER SPECIFICATIONS (40 & 60mm)

Part No.	Sheave Dia. mm in	No. of Sheaves	Working Load Limit kg lb	Max Working Load of Sheave kg lb	Max Line Size mm in	Length mm in	Weight gm oz	Fixings (not included) mm in	Sheave Centres mm in
L29139122BK	40 1 ⁵ / ₈	2	1005 2215	750 1654	10 3/8	142 5 ⁵ / ₈	123 271	M8 5/16	47 1 ⁷ / ₈
L29139123BK	40 1 ⁵ / ₈	3	1507 3322	750 1654	10 3/8	189 7 ³ / ₈	206 454	M8 5/16	47 1 ⁷ / ₈
L29139124BK	40 1 ⁵ / ₈	4	2010 4431	750 1654	10 3/8	236 9 ¹ / ₃	275 606	M8 5/16	47 1 ⁷ / ₈
L29139125BK	40 1 ⁵ / ₈	5	2512 5537	750 1654	10 3/8	283 11 ¹ / ₈	352 776	M8 5/16	47 1 ⁷ / ₈
L29139126BK	40 1 ⁵ / ₈	6	3015 6646	750 1654	10 3/8	330 13	425 937	M8 5/16	47 1 ⁷ / ₈
L29139112BK	60 2 ³ / ₈	2	2400 5290	1200 2645	14 9/16	231 9 ¹ / ₈	325 11.46	M10 3/8	72 2 ²⁷ / ₃₂
L29139113BK	60 2 ³ / ₈	3	3000 6613	1200 2645	14 9/16	303 12	435 15.34	M10 3/8	72 2 ²⁷ / ₃₂
L29139114BK	60 2 ³ / ₈	4	3600 7935	1200 2645	14 9/16	375 14 ³ / ₄	551 19.43	M10 3/8	72 2 ²⁷ / ₃₂
L29139115BK	60 2 ³ / ₈	5	4200 9258	1200 2645	14 9/16	447 17 ⁵ / ₈	637 22.46	M10 3/8	72 2 ²⁷ / ₃₂
L29139116BK	60 2 ³ / ₈	6	4800 10580	1200 2645	14 9/16	519 20 ¹ / ₂	775 27.33	M10 3/8	72 2 ²⁷ / ₃₂

SPARE SHEAVES: 40mm Acetal: Part No. L291229915, 60mm Acetal: Part No. L25001128BK, 60mm Alloy: Part No. L25001114BK

CLEATS

Made from state-of-the-art materials developed by the automotive industry and refined for the marine market, Lewmar cleats enhance performance in durability, strength and lubrication.



- Low line entry load
- High holding load
- Constant tension springs
- Wash-out bearing slots
- Split base fairlead to facilitate continuous line installations

Part No.	Description (Composite Cleat)	WLL kg lb	Line Size mm in	Fixing Pitch mm in	Fixing Size mm in	Weight g oz
L29104100BK	Small	120 264	2-8 5/64 - 5/16	27 1 ¹ / ₁₆	M4 5/32	17.5 0.6
L29104110BK	Medium	180 396	4-12 5/32 - 1/2	38 1 ¹ / ₂	M5 3/16	48.5 1.7

EYE STRAP (Pair)

Part No.	Size	Line Size mm in	Fixing Pitch mm in	Fixing Size mm in	Weight g oz
L29104103	Small	2-8 5/64 - 5/16	27 1 ¹ / ₁₆	M4 5/32	6.0 0.2
L29104113	Medium	4-12 5/32 - 1/2	38 1 ¹ / ₂	M5 3/16	18.0 0.6



BULLS-EYES with S/S Inserts

L29104117 (Pair)

Part No.	Size	Max Line Size mm in	Fixing Pitch mm in	Fixing Size mm in	Weight g oz
L29904117	Medium	12 1/2	25 1	M4 5/32	12.0 0.4
L29904118	Large	18 3/4	32 1 ¹ / ₄	M5 3/16	32.0 1.1



FAIRLEAD



L29104104BK fits L29104100
L29104114BK fits L29104110

Part No.	Line Size mm in	Weight g oz
L29104104BK	2-8 5/64 - 5/16	6.0 0.2
L29104114BK	4-12 5/32 - 1/2	14.0 0.5

FEEDER LOOP



Part No.	Size	Line Size mm in	Weight g oz
L29104115	Small	2-8 5/64 - 5/16	6.0 0.2
L29104116	Medium	4-12 5/32 - 1/2	10.0 0.35

Rope Clutches

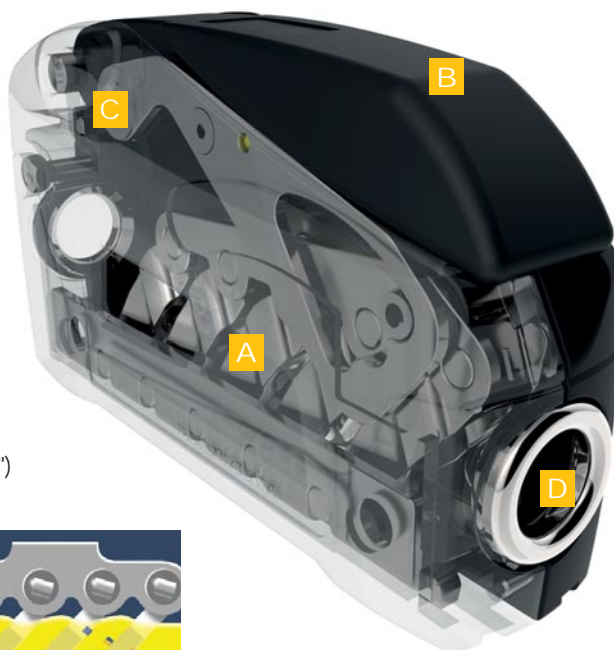
Aquafax

HARDWARE - CLUTCHES

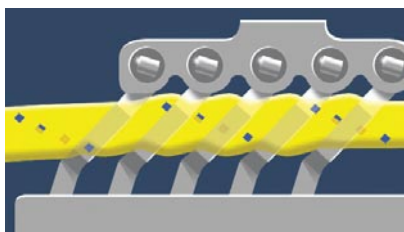
CLUTCHES

Lewmar continues to define rope clutch technology with a variable geometry handle and unique grip pattern of dominos that prevent rope fray. This revolutionary system has been independently tested time and again and has won awards for its innovative framework.

- A** Domino Cluster and longer holding pattern holds line under load without fraying the rope.
- B** Controlled Release – Pull back handle combined with patented clutch and release mechanism provides controlled release even at full holding load.
- C** Handle has a solid link to the domino cluster.
- D** Line Size – Clutches capable of holding lines from 6mm ($\frac{1}{4}$ ") to 14mm ($\frac{9}{16}$ ")



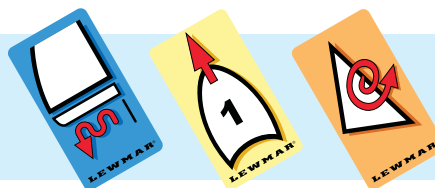
Instead of just jamming the rope...



... Lewmar's Domino mechanism flexes it for better grip and less rope wear.

Clutch can be clearly marked and identified with Lewmar info-graphics specially designed to suit all sailing applications.

Part No: L25002323



CLUTCH SELECTION GUIDE

CLUTCH SELECTION GUIDE			Boat Overall Length										
Application		m	7.6	8.8	10.1	10.7	11.3	11.9	12.5	14.6	16.8	18.9	21.5
		ft	25	29	33	35	37	39	41	48	55	62	70
Halyards	Main												
	Genoa												
	Spinnaker												
Gooseneck	Reef Lines												
	Outhaul												
	Flattener												
Pole/Boom Lift	Spin Pole Uphaul												
	Spin Pole Down Haul												
	Heel Lift												
	Main Boom Topping Lift												
Furling Lines	Genoa												
	Main												
Sheets	Mainsheet (4:1 Purchase)												
Control Lines	Mainsheet Car (2:1 Purchase)												
	Genoa Car (2:1 Purchase)												
	Pole Outhaul												
	Kicking Strap/Vang												

■ DC1 Rope Clutch ■ DC1 Rope Clutch



HARDWARE - CLUTCHES

DC ROPE CLUTCHES



DC1 Single



DC1 Double



DC1 Triple

DC1 ROPE CLUTCH SPECIFICATIONS

Part No.	Description	Line Size		Min Holding Load		Approx Weight		WLL	
		mm	in	kg	lb	g	oz	kg	lb
L29101108BK	6-8 mm DC1 Single	6-8	1/4 - 5/16	300	661	330	12	500	1100
L29101208BK	6-8 mm DC1 Double	6-8	1/4 - 5/16	300	661	650	23	500	1100
L29101308BK	6-8 mm DC1 Triple	6-8	1/4 - 5/16	300	661	850	30	500	1100
L29101110BK	8-10 mm DC1 Single	8-10	5/16 - 3/8	400	880	330	12	500	1100
L29101210BK	8-10 mm DC1 Double	8-10	5/16 - 3/8	400	880	650	23	500	1100
L29101310BK	8-10 mm DC1 Triple	8-10	5/16 - 3/8	400	880	850	30	500	1100
L29101112BK	10-12 mm DC1 Single	10-12	3/8 - 7/16	500	1100	330	12	500	1100
L29101212BK	10-12 mm DC1 Double	10-12	3/8 - 7/16	500	1100	650	23	500	1100
L29101312BK	10-12 mm DC1 Triple	10-12	3/8 - 7/16	500	1100	850	30	500	1100
L29100010BK	DC1 Handle Kit								



DC2 Single



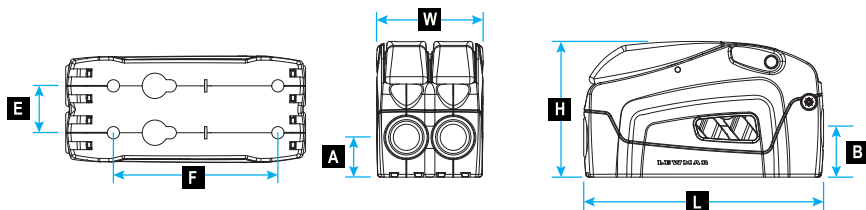
DC2 Double



DC2 Triple

DC2 ROPE CLUTCH SPECIFICATIONS

Part No.	Description	Line Size		Min Holding Load		Approx Weight		WLL	
		mm	in	kg	lb	g	oz	kg	lb
L29101410BK	8-10mm DC2 Single	8-10	5/16 - 3/8	500	1102	650	23	1200	2650
L29102410BK	8-10mm DC2 Double	8-10	5/16 - 3/8	500	1102	1216	43	1200	2650
L29103410BK	8-10mm DC2 Triple	8-10	5/16 - 3/8	500	1102	1698	60	1200	2650
L29101412BK	10-12mm DC2 Single	10-12	3/8 - 1/2	700	1550	650	23	1200	2650
L29102412BK	10-12mm DC2 Double	10-12	3/8 - 1/2	700	1550	1216	43	1200	2650
L29103412BK	10-12mm DC2 Triple	10-12	3/8 - 1/2	700	1550	1698	60	1200	2650
L29101414BK	12-14mm DC2 Single	12-14	1/2 - 9/16	1000	2204	650	23	1200	2650
L29102414BK	12-14mm DC2 Double	12-14	1/2 - 9/16	1000	2204	1216	43	1200	2650
L29103414BK	12-14mm DC2 Triple	12-14	1/2 - 9/16	1000	2204	1698	60	1200	2650
L29101501BK	DC2 Handle Kit								



Notes:

Line entry and exit angle should not exceed 15° from the rope clutch centre line
 DC1 : Use pan head M6 - 1/4" fixings - do not tighten beyond 10 Nm torque
 DC2 : Use pan head M8 - 5/16" fixings - do not tighten beyond 22Nm torque

Size	Length (L)		Width (W)		Height (H)		Line Entry (A)		Line Exit (B)		Fixings Width (E)		Fixings Length (F)	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
DC1 Single	126	5	32	1 5/16	72	2 3/4	27	1 1/8	29	1 1/16	-	-	79	3 1/8
DC1 Double	126	5	57.85	2 5/16	72	2 3/4	27	1 1/8	29	1 1/16	26	1	79	3 1/8
DC1 Triple	126	5	83.7	3 5/16	72	2 3/4	27	1 1/8	29	1 1/16	26	1	79	3 1/8
DC2 Single	156	6 1/8	38.0	1 1/2	88	3 5/8	26	1	32	1 5/16	-	-	107	4 1/4
DC2 Double	156	6 1/8	68.5	2 1/16	88	3 5/8	26	1	32	1 5/16	30.5	1 3/16	107	4 1/4
DC2 Triple	156	6 1/8	99	3 7/8	88	3 5/8	26	1	32	1 5/16	30.5	1 3/16	107	4 1/4

STEERING



ENGUARD PEDESTAL



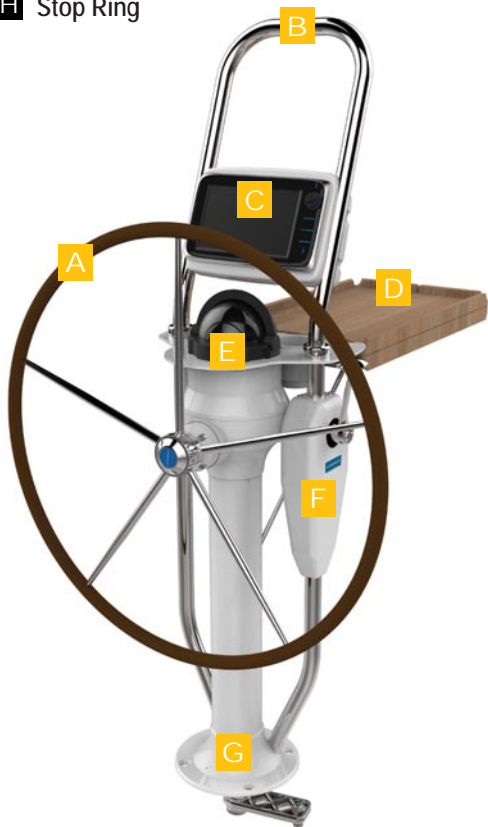
INTEGRA PEDESTAL



ROYALE PEDESTAL

ENGUARD STEER PEDESTAL

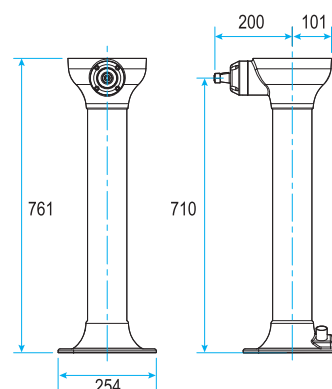
- A** Steering Wheel
- B** Guard Rail
- C** Instrument Pod
- D** Table
- E** Compass (Section 6)
- F** Engine Control (& spares)
- G** Classic Enguard Fixing Kit
- H** Stop Ring



ENGUARD PEDESTAL ONLY

Compact design with integrated guard rail base mounting. Can be fitted with a wide range of accessories.

Part No.	Description
L89900003	Constellation Enguard ANSI50 11T
L89900031	Cobra Cruising Enguard OL10STB
L89900046	Mamba Enguard BH10 Brake



BELOW DECK STEERING ACCESSORIES

COBRA STOP RING

Limiting the amount of rudder travel is essential on all steering arrangements. The Cobra™ system provides an alternative and simpler to install device than conventional rudder stops – the stop ring. Part No. L89000004



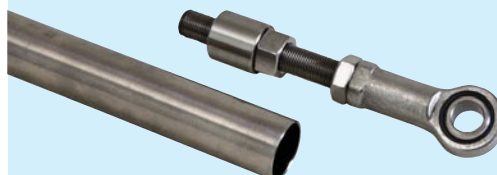
TILLER LEVERS



DRAGLINKS

1m Draglink with 5/8" Rod Ends* Part No. L89500011

**one end supplied loose to cut to size and weld.*



ROD ENDS (Stainless Steel)

Rods ends can be purchased separate from draglink assemblies as spare parts.

Part No.	Description
L82000356	Rod End AHFT10 5/8" - M8
L82000357	Rod End AHFT12 3/4" - M12





STEERING

WHEEL SELECTION GUIDE

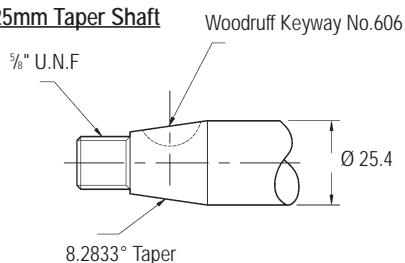
	Wheel Diameter								
cm	66	81	97	112	127	142	157	173	188
m	26	32	38	44	50	56	62	68	74
Folding Wheel									
Commodore™ Flat									
Commodore™ Dished									
Mini Maxi™									
Carbon									
Fastnet									

THE LEWMAR STEERING WHEEL SHAFT

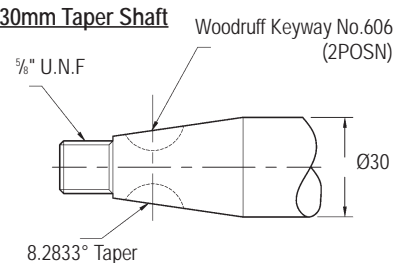
All Lewmar wheels listed in this catalogue have the 25mm/1" taper shaft. Angle of taper ensures the wheel is easily removable. Larger wheels (1.6m and up) can also be supplied with the 30mm/1 3/8" taper shaft. The folding wheel dual-hub also fits a 25mm/1" parallel shaft.

Lewmar uses industry standard 25mm/1" tapered keyed shaft to ensure positive fit of the steering wheel. The 30mm/1 3/8" taper shaft is only used in custom super yacht systems

25mm Taper Shaft



30mm Taper Shaft



BRAKE SPINNER

A brake spinner is used to lock the wheel and rudder when in port or at anchor. Lewmar uses a powerful and progressive through shaft friction brake. It is specific to the type of wheel used.

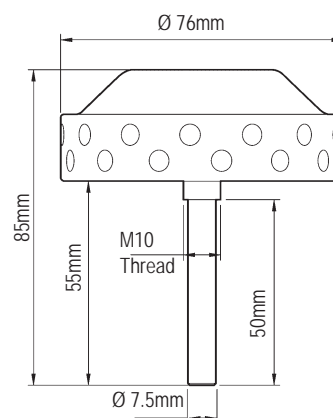
For more information and part numbers, refer to wheel section on pages 73 to 75.



FOLDING WHEEL

Features a unique, fast-action folding system is a concept in space-saving technology.

Conventional wheels significantly restrict your cockpit space, but the Lewmar Folding Wheel breaks down that barrier. Ideal for a wide range of yachts, including those with twin-wheeled layout. The Folding Wheel has a two-turn, buttress-threaded, split-spoke design, and a unique hinging system with fast-action handgrip release. This allows you to easily fold and unfold the wheel, using a simple twist of the composite handgrip. At a fraction of the cost of custom versions, the Folding Wheel is appealing to both production boat builders and owners looking to improve their deck layouts.



L89100143 Brake Spinner

Part No.	Description	Size mm in	Fit Shaft
L89700375	Folding Wheel 6 spoke Hide Cover	813 32	1" Taper
L89700376	Folding Wheel 6 spoke Hide Cover	914 36	1" Taper
L89700377	Folding Wheel 6 spoke Hide Cover	1016 40	1" Taper
L89700520	Folding Wheel 6 spoke Hide Cover	1066 42	1" Taper
L89700406	Folding Wheel 6 spoke Hide Cover Dual Hub	813 32	1" Taper & 1" parallel
L89700407	Folding Wheel 6 spoke Hide Cover Dual Hub	914 36	1" Taper & 1" parallel
L89700408	Folding Wheel 6 spoke Hide Cover Dual Hub	1016 40	1" Taper & 1" parallel
L89700521	Folding Wheel 6 spoke Hide Cover Dual Hub	1066 42	1" Taper & 1" parallel

LEWMAR STEERING WHEELS ARE SPECIAL ORDER ITEMS. PLEASE CONTACT US FOR AVAILABILITY

Commodore™, Mini Maxi™ & Carbon Wheels



Aquafax

STEERING

THE COMMODORE™ WHEEL

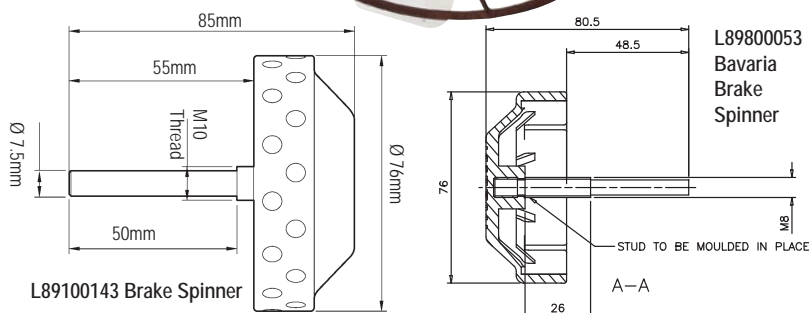
Durable and elegantly styled, the Commodore is a standard choice for yachtsmen the world over. Choose from sizes ranging in diameter from 66cm (26") to 122cm (48").

COMMODORE™ WHEEL – SUPPLIED WITH HIDE COVER

Part No.	Description	Size cm	in
L89700264	5 spoke flat polished	66	26
L89700265	5 spoke flat polished	71	28
L89700266	5 spoke flat polished	76	30
L89700267	5 spoke flat polished	81	32
L89700268	5 spoke flat polished	91	36
L89700297	5 spoke dished polished	66	26
L89700298	5 spoke dished polished	71	28
L89700299	5 spoke dished polished	76	30
L89700300	5 spoke dished polished	81	32
L89700301	5 spoke dished polished	91	36
L89700593	5 spoke dished polished	102	40
L89700024	8 spoke flat, polished	107	42
L89700025	8 spoke flat, polished	122	48
L89700063	8 spoke dished, polished	107	42
L89700064	8 spoke dished, polished	122	48

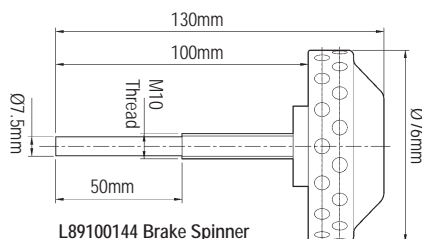


Available
to Order



THE MINI MAXI™ WHEEL

The Mini Maxi™ wheel is designed for use where a larger wheel is required or for exceptional rigidity. The Mini Maxi™ wheel is available up to 1524mm/60" diameter.



MINI MAXI™ WHEEL – SUPPLIED WITH
HIDE COVER & SPATS

Part No.	Description	Size cm	in
L89700092	Mini Maxi™ 10 spoke	91	36
L89700093	Mini Maxi™ 10 spoke	102	40
L89700094	Mini Maxi™ 10 spoke	107	42
L89700095	Mini Maxi™ 10 spoke	122	48
L89700096	Mini Maxi™ 10 spoke	132	52
L89700097	Mini Maxi™ 10 spoke	137	54
L89700098	Mini Maxi™ 10 spoke	152	60



Available
to Order

CARBON WHEEL

The Y-Spoke carbon wheel combines ultimate weight saving with sleek and slender styling. Ideal for Grand Prix Race Yachts or as a solution to increasing demand for race technology on cruising yachts.

These wheels are built and supplied to order in a variety of sizes ranging from 1m/39" to 1.8m/71".



Available
to Order

ELBOW SPOKE CARBON WHEEL

Available
to Order



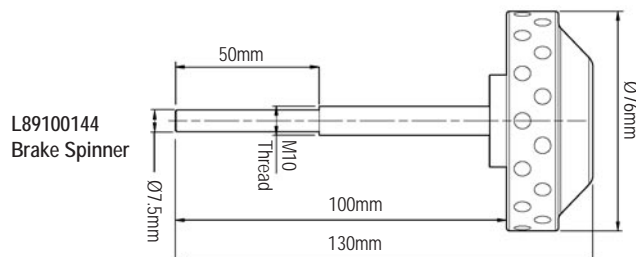
LEWMAR STEERING WHEELS ARE SPECIAL ORDER
ITEMS. PLEASE CONTACT US FOR AVAILABILITY



STEERING

FASTNET WHEEL

The Fastnet wheel is made from Alloy 6082 and is lightweight and stylish. These wheels are built to order and supplied powder coat painted black with black leather to the wheel rim as standard. We can offer white painted wheels and alternative leather colour options to cover the wheel rims upon request. The Fastnet wheel range starts at 122cm / 48" with incremental sizes up to 175cm / 69".



Available to Order



FASTNET™ WHEEL

Part No.	Description	Size cm	in
L89700602	Fastnet Alloy Hide Fitted, Black paint and black leather	127	50
L89700603	Fastnet Alloy Hide Fitted, Black paint and black leather	132	52
L89700604	Fastnet Alloy Hide Fitted, Black paint and black leather	137	54
L89700591	Fastnet Alloy Hide Fitted, Black paint and black leather	150	59
L89700581	Fastnet Alloy Hide Fitted, Black paint and black leather	160	63

Pedestals Available to Order

Contact the Aquafax Sales Office for more information



WHEEL ACCESSORIES

RAIL MOUNT WHEEL HOLDER

The Rail Mount Wheel Holder can be used on most boat rails to store the wheel when not in use, thus providing a clear area in the cockpit.

- Manufactured in 316 investment cast Stainless Steel
- Designed to suit 25mm/1" taper or Parallel steering wheel shaft
- Will fit 25mm/1", 28.6mm / 1 1/8" & 32mm/1 1/4" diameter rails

Part No. L89400327



QUICK RELEASE BI-SQUARE WHEEL NUTS

The quick release wheel nut – with a standard winch handle bi-square. As you always have a winch handle on hand, this is a quick and simple way to remove your wheel. The quick release wheel nut is available in 316 grade stainless steel, to mirror polish finish.



Part No.	Wheel Type
L89700161	Commodore™ wheel
L89700162	Mini Maxi™ Fastnet/Carbon

PEDESTAL ACCESSORIES

See Section 6 for Ritchie Compasses...

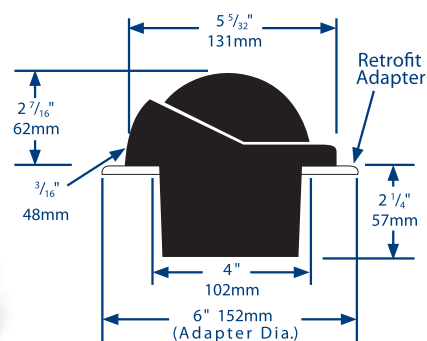
RITCHIE HELMSMAN™ COMPASSES

- 3 3/4" CombiDamp dial
- Built-in 12V green night illumination
- Built-in compensators to easily adjust for deviation
- Scientifically matched sapphire jewel & hardened steel pivot dial movement
- Powerful Directiveforce magnets for fast heading lock-on
- Movable sun shield
- High temperature composite construction for extended operating range
- 45 degree lubber lines
- 100% repairable
- Exclusive 5-Year Ritchie warranty

RITCHIE
NAVIGATION



Model	Colour	Mount	Part No.
HF-743	Black	Surface	6-80110
HF-743W	White	Surface	6-80111



Dial Size:	3 3/4" (94mm)
Design:	Combi Dial
Night Lighting:	12V Green
Compensators:	Built-in
Mounting Hole:	4" (102mm) 5" with adaptor
Warranty:	5-Year
Approx. Shipping Wt:	2lb (907g)

Pedestal Accessories

Aquafax

STEERING

ENGINE CONTROL MECHANISM

Engine and gear controls to complement the steering pedestal of your choice. The engine control designed exclusively for Lewmar is non-magnetic and can be guardrail or pedestal mounted without interfering with the compass.

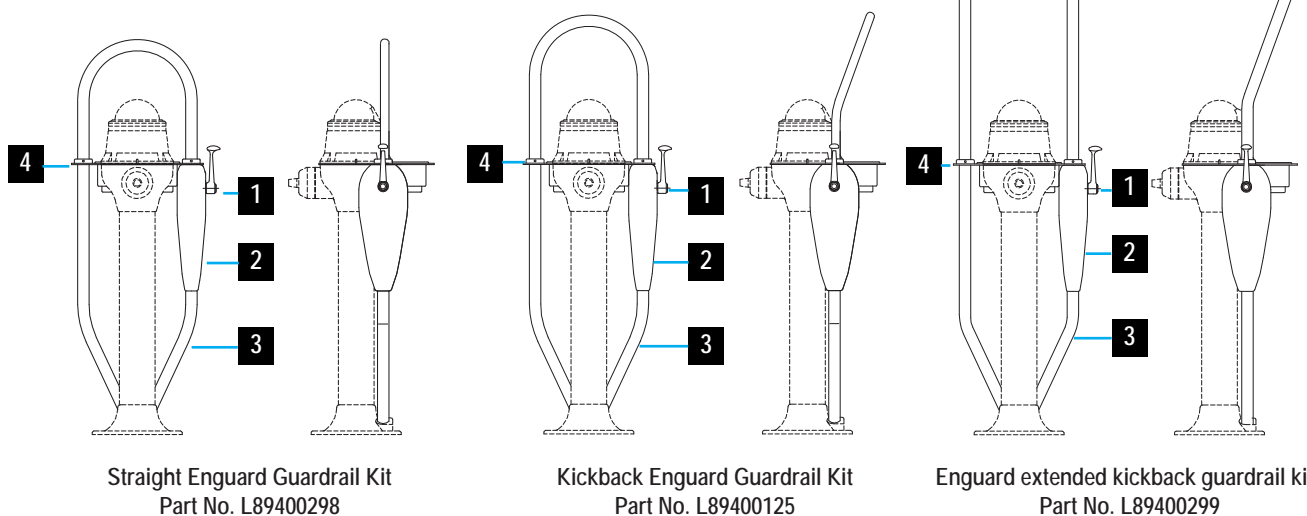
- Housed in pod
- Guardrail Mounted
- Bulkhead mounted fascia plate
- Exclusive design for Lewmar
- Non-magnetic
- 316 stainless steel cranked handle

Part No.	Letter	Description
L89400109	E	Control Mech Kit c/w cranked handle & fascia plate
L89400316	-	Control Mech Kit c/w cranked handle (no fascia plate)
L89400196	-	Control Mech Cranked Handle & Pod Assembly
L89400084	-	Engine Control Housing (pod only)
L89400136	A	Handle Cranked Stainless Steel
L89400137	C	Mechanism Only (No Handle)
L89400146	-	Fitting Kit for Engine Control Mechanism
L89800013	D	Rubber button and plunger kit
L89400133	B	Fascia Plate



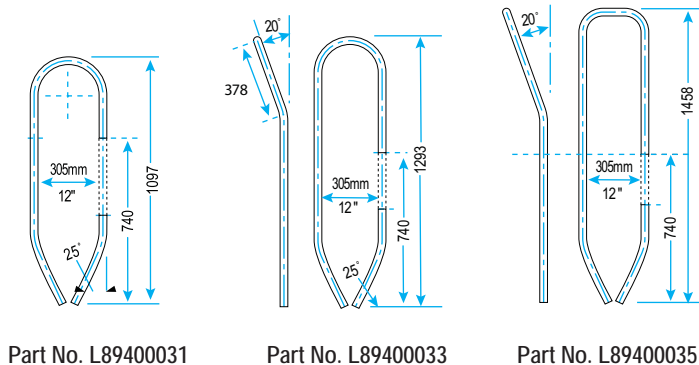
ENGUARD PEDESTAL GUARDRAILS

Lewmar Guardrails are designed to protect the compass and pedestal and provide assistance while moving about the cockpit. Our wide range of straight and kickback are manufactured from 32mm (1 1/4") heavy duty 316 grade stainless steel tube. See our range of instrument pods on page 77 to compliment this range.



Enguard Guardrail Spares

Part No.	Description	Key
L89400031	Guardrail Straight (Stbd)	
L89400033	Guardrail Kickback (Stbd)	
L89400035	Guardrail Extended Kickback (Stbd)	
L89400109	Control Mechanism	1
L89400084	Engine Pod	2
L89400120	Drop Tube	3
L89400122	Top Plate & Cup Holder	4
L89400066	Classic / Enguard bolt kit	

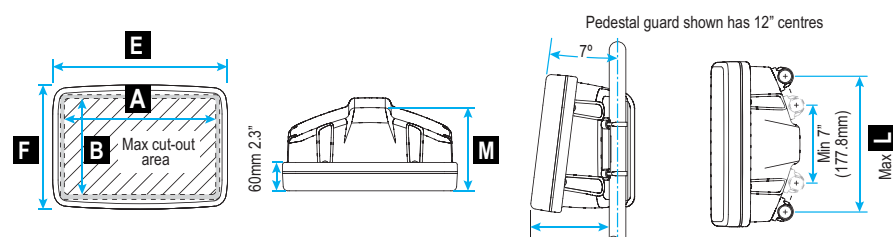


STEERING

INSTRUMENT PODS - HELM POD

With great new design features, the Lewmar Helm Pod is a perfect choice for all cockpit configurations.

- Range of Models to fit up to 15" displays with options to install a combination of instruments and displays at the helm.
- Universal Helm Fixing fits pedestal rails from 25mm to 33.7mm (0.98" – 1.33"). Using a unique clamping system, the Pod can fit rail widths from 178mm (7") upwards.
- Secure & Watertight Install: saddle system supports the stainless tubing enabling a secure and rigid fit onto any pedestal and also ensures a watertight seal at cable entry
- No Drill Fixing Kit: customised U-bolts fit around rail and through the saddles into the back of the pod eliminating the need for time consuming and awkward drilling of the stainless rail.
- Hassle Free Install & Service- Fixings fit from back to front cutting their threads into injection moulded ABS inserts designed into the Pod front.
- Increased Protection Pod seal manufactured from a high tear strength silicone.
- Supplied Uncut

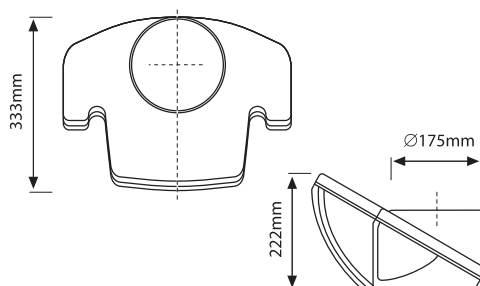


Part No.	Description	A		B		E		F		J		K		L		M	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
L89400423	up to 8" display	312	12.3	200	7.9	371	14.6	264	10.4	152	6.0	165	6.5	304.8	12.0	175	6.9
L89400425	10&12" display	365	14.4	241	9.5	424	16.7	304	12.0	186	7.3	192	7.6	304.8	12.0	175	6.9
L89400427	15" display	423	16.7	333	13.1	482	19.0	396	15.6	176	6.9	185	7.3	381	15.0	175	6.9
L89400429	4 x std instruments	498	19.6	118	4.65	562	22.1	187	7.4	100	4.0	103	4.1	406	16.0	175	6.9
L89400430	System pod	541	21.3	274	10.8	600	23.6	336	13.2	205	8.1	207	8.1	381	15.0	175	6.9

CLASSIC POD

- Fits directly to the Enguard and Classic style pedestals, via a special top plate.
- Offers increased mounting space for instruments, on the pedestal.
- Available with kickback guardrail for the inclusion of additional instrument pod options.
- Compass mounting point

Part No. L89400100



CONSTELLATION CABLE STEERING SPARES



Part No.	Description
L89100069	Cable Steering Conduit (per metre)
L89100116	Cable Conduit End Fitting
L89100226	Cable Tensioner Assembly

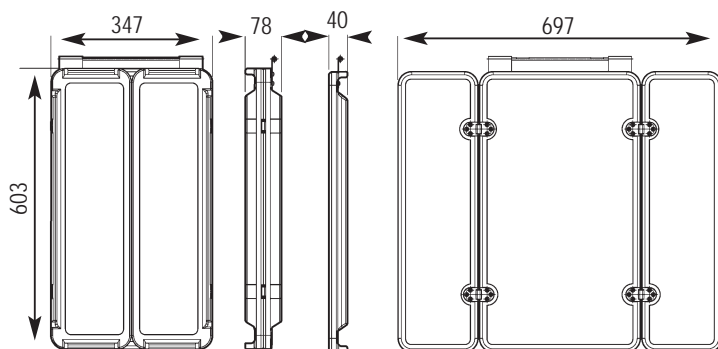


STEERING

TEAK TABLE

This three-leaf cockpit table in teak suits all pedestal types. The table can be folded up against the forward edge of the pedestal.

- All Teak from sustainable forests
- Quick-release hinge for simple storage
- Supplied unvarnished



Teak Table

Part No.	Description
L82001117	Lewmar teak table without fitting kit
L89400011	Table Fixing Kit for Athena / Reliant pedestal
L89400117	Table Fixing Kit for Enguard pedestal
L89400246	Table Fixing Kit for Royale pedestal

AUTO PILOT DRIVES

AUTOPILOT DRIVES

Lewmar's experience has given an insight into the challenges that occur when interfacing autopilot drives to the steering system and how important this aspect is to the correct operation of the autopilot. This comprehensive range of mechanical and hydraulic autopilot drive units helps overcome typical installation problems.

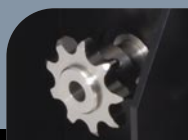
Lewmar recommends the following Drive Units for your boat. If your boat is not listed here, please contact AquaFax for further information.

Boat Builder / Model	Drive Type	Part No.
Bavaria		
30, 33, 37, 39 Cruisers	Integra	L89300136
42, 44, 46, 49, 50 Cruisers	Mamba™	L89300137
Dufour		
Gib Sea 43	Mamba™	L89300137
Halberg Rassy		
HR 40, 43	Mamba™	L89300137
HR 46, 48, 53 - 12v	Mamba™	L89300137
Hunter		
Hunter 44, 49	Mamba™	L89300137
Island Packet		
IP445 & IP485	Mamba™	L89300137
Najad		
Najad 400	Mamba™	L89300137
Najad 460, 490, 511	Mamba™	L89300137
Southerly		
Southerly 47	Integra	L89300137

- All units have an electromechanical clutch, virtually eliminating drag on the steering system
- All units are compatible with the majority of electronic suppliers, such as Raymarine, B&G and Simrad
- All drives have low current draw
- Drives available in 1/4, 1/2 and 1HP capacities, suitable for all Lewmar steering types.



AQUAFAX RECOMMENDS THAT THE DIRECT DRIVE KITS ARE INSTALLED BY A PROFESSIONAL FITTER



STEERING

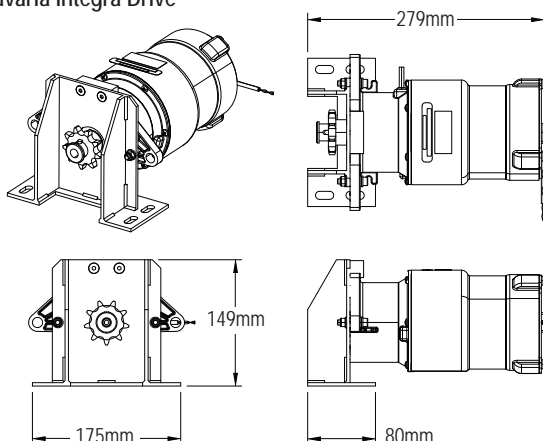
INTEGRA DRIVES

The Integra drive is available in three formats. The Cobra and Mamba versions mount directly inside the Integra pedestal. This unique installation is only available from Lewmar and provides the installer with a simple and quick installation with no complicated, labour intensive mounting platforms required. We also offer an Integra Sprocket version, which is very popular with Bavaria Cruising yachts from 9m to 12m (30ft to 39ft) in length.

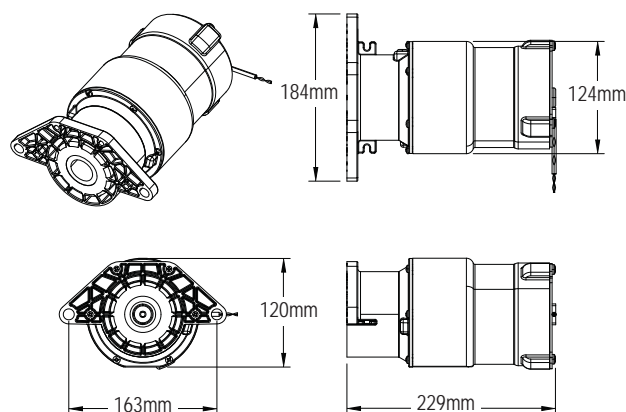
Part No.	Description
L89300136	Bavaria Integra Drive
L89300137	Mamba Integra Drive



Bavaria Integra Drive



Mamba Integra Drive



Alternative Drives Available to Order



MAMBA™
DRIVES



DIRECT DRIVES



ROTARY SPROCKET DRIVES

Rudder Bearings & Stocks



Aquafax

STEERING

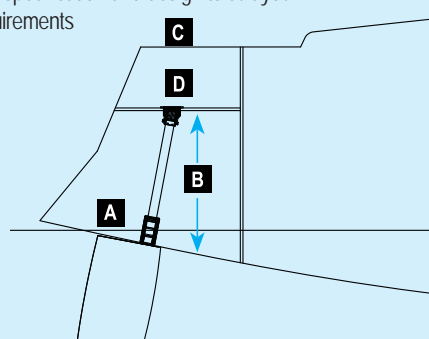
RUDDER BEARING SOLUTIONS

Lewmar offers a range of rudder bearing and rudder stocks to complement yacht steering systems. Lewmar's rudder bearings come in two basic types – plain roller and self-aligning roller. We can provide a rudder bearing solution for any yacht, whether it is tiller steered or a Grand Prix racer.

Lewmar roller bearings are designed for production yachts as well as custom one-off yachts. Choose from our range or speak to your Lewmar representative for a specification and design to suit your rudder bearing requirements

Typical Bearing Installation

- A** Lower bearings should be positioned so that the seals are above the water line. A gaiter may also be used for added security against leaks.
- B** Upper and Lower bearings should be spaced apart as far as is practically possible to reduce loading on the rollers.
- C** A removable deck cover may be used for quick fitting of an emergency tiller.
- D** For tiller steered yachts seals may be incorporated into the upper bearing to prevent water ingress from above deck into the boat.



UPPER BEARINGS

- Manufactured in 6082 aluminium and anodised
- Suit rudder stock diameters 50mm - 109mm (2" - 4 $\frac{5}{16}$ ")
- Easy to install flanged housing
- Easy to install flanged housing
- Model with a deck cover offers integral locking ring and vertical thrust race
- No grease or maintenance required

Plain Roller Bearing

- Features precision Delrin rollers with low friction co-efficient
- Illustration shows a plain roller bearing with deck cover and thrust race



Self Aligning Roller Bearings

- Bearing includes self aligning ball and precision Delrin rollers



LOWER BEARINGS

- Suit rudder stock diameters 50mm -109mm (2" - 4 $\frac{5}{16}$ ")
- No grease or maintenance required

Aluminium Roller Bearings

- Manufactured in 6082 aluminium & anodised
- Accepts sealing system for lip seals or rudder tube and gaiter
- Low friction co-efficient
- Available in self-aligning version



Self Aligning GRP Tube Bearings

- Manufactured with a GRP tube for easy laminating on installation
- Bearing includes s/a ball and precision Delrin rollers
- Accepts sealing system for neoprene gaiter



RUDDER STOCK LIP SEALS AND LOCKING RINGS AVAILABLE TO ORDER

HTX TRAVELLER RANGE AVAILABLE SOON

Designed in collaboration with boat builders, designers, and sailors, the new range of HTX travellers is designed to complement the HTX block range.

- Ideal for boats up to 15 metres (49 foot)
- Minimalistic car body made of fewer parts
- Compact, one-piece aluminium body and composite end caps designed with smoother lines
- Available in multiple configurations, including single or double control line sheaves, becket, and cam cleat
- Compatible slide-rod Genoa car with stirrup
- Three individual ball races: the first two allow fast movement of the car under vertical load, and the third allows smooth running of the car under deflection
- Larger balls means more ball surface exposure, increasing overall efficiency
- Ball bearings circulate through an open structure allowing easy cleaning when installed
- New dowel mechanism provides smooth ball circulation
- Upstand receives shackle or lashed rope, removing need for a becket above the control line sheaves

At the core of the HTX traveller range is the captive ball traveller. Featuring a neat, stylish retention of the ball bearings within the car. This can be easily removed without the risk of losing ball bearings.



**Contact us
for details**