

MARINE  
EQUIPMENT  
GUIDE | 08  
09





# Lewmar Winches

Lewmar winches are designed with both racing crews and everyday sailors in mind. Each winch and winch handle is engineered to maximize strength and minimize weight, using the finest quality materials for the job.



# OneTouch Winch Handle

The Lewmar OneTouch Winch Handle is a new approach to winch handle design. Its 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 attach. All it takes is one hand. So you can spend less time fiddling around and more time sailing.

## Features

- 8" and 10" Alloy Handle
- 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, Power Grip and Double Grip
- As used by the America's Cup teams



2914 0044



2914 0046



2914 0048

## OneTouch Winch Handles

Part Number	Size		Description
	mm	in	
29140044	250	10	Alloy Handle, Lock-in, Single Grip
29140046	250	10	Alloy Handle, Lock-in, Power Grip
29140048	250	10	Alloy Handle, Lock-in, Double Grip
29140040	200	8	<b>NEW</b> - Alloy Handle, Lock-in Single Grip
29140042	200	8	<b>NEW</b> - Alloy Handle, Lock-in Power Grip



# Winch Handles

Each handle in Lewmar's extensive range uses ball bearings for maximum efficiency. All of our standard handles come with the option of a PowerGrip. PowerGrip makes initial fast cranking with one hand both easy and comfortable. And when the load comes on and it's time to shift gears, you can use your second hand to grip the main shaft handle and do some serious grinding.

Our patented Carbon Winch Handle is the only one of its kind on the market. Designed for maximum power and weight savings, it is 60% lighter than handles of comparable strength, and comes with a PowerGrip handle for ultimate ease, comfort and speed.



29140018

29141011

29140081



29140101

29141110

29141111



29140070

29141121

29140121

## Winch Handles

Part Number	Size		Description
	mm	in	
29140018	200	8	Synchro Winch Handle
29141011	200	8	Alloy Lock-In Winch Handle
29140081	200	8	Alloy Lock-In Winch Handle, PowerGrip
29140101	250	10	Alloy Lock-In Winch Handle, PowerGrip (forged)
29141110	250	10	Alloy Winch Handle (forged)
29141111	250	10	Alloy Winch Handle Lock-In (forged)
29140070	250	10	Carbon Racing Winch Handle
29141121	250	10	Chrome Winch Handle, Lock-In (forged)
29140121	250	10	Chrome Winch Handle, Lock-In PowerGrip (forged)

## Winch Handle Pocket

Part Number	Description
29140020	Winch Handle Pocket

## Spares Kit

Part Number	Size		Description
	mm	in	
29140011	-	-	Single grip replacement kit
29140012	200	8	Lock-in spares kit
29140013	250	10	Lock-in spares kit
29140015	-	-	PowerGrip replacement kit
29140016	-	-	Carbon winch handle lock-in spares kit



Winch Spares Kit



Winch Handle Pocket





# Titan Winch Handles

Made of the finest quality materials and created using the latest computer-aided designs, Titan handles are engineered to withstand the rigors of saltwater environments year after year.



Primary Series  
Standard



Primary Series  
Locking

## Primary Winch Handle Series

Part Number	Size		Description
	mm	in	
2914 5301	200	8	Winch Handle, Red, Locking
2914 5302	200	8	Winch Handle, Blue, Locking
2914 5001	200	8	Winch Handle, Red, Standard
2914 5002	200	8	Winch Handle, Blue, Standard
2914 5311	250	10	Winch Handle, Red, Locking
2914 5312	250	10	Winch Handle, Blue, Locking
2914 5011	250	10	Winch Handle, Red, Standard



## Titan Lock-in Spares Kit

Part Number	Size		Description
	mm	in	
29140001	-	-	All single grips lock-in spares kit
29140002	200	8	Maxi and dual grips lock-in spares kit
29140003	250	10	Maxi and dual grips lock-in spares kit
29140005	250	10	Condor lock-in spares kit



# What's in a Winch?

For Lewmar customers, there's no such thing as "just a winch." That's because 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. And because of our aggressive in-house testing program, Lewmar Winches have proven themselves time and again in the roughest conditions and on the toughest racing courses. Choose from a variety of finishes – from lightweight carbon for the elite racer to shining chrome for cruising yachts.



## Features

- Broad Range
- Most Powerful in Class
- Easy Fitting
- Simple Servicing
- Wavespring Self-Tailer
- Needle Peen Drum
- Service Network



### Self-Tailing Winches

The Lewmar 'Wavespring' self-tailer combines our renowned and 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

Whether you're a Club sailing enthusiast or a family sailor wishing to sail short-handed, the decision to install and operate an Electric Winch couldn't be easier. Electric Winches are available as an upgrade or full package. Lewmar's full range of Electric Winches is specifically engineered to offer sail trimming at the push of a button for more relaxed and comfortable sailing.



### Simple Servicing and Installation

No tools are required to service a Lewmar winch. Simply unscrew the top cap with your fingers to remove the Needle Peen Drum and provide access to the center stem and deck fitting holes.



### Needle Peen Drum

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





# Winch Selection Guide

Efficient sail handling begins with the selection of the correct winch. To help you select from the winches described on the following pages, use the chart below – designed as a quick reference to match application, yacht size and winch. Cross reference your yacht size (for masthead rigs) or sail area (fractional rigs) with appropriate application, to ascertain the correct winch. If you have any problems or questions, send your deck and sail plans to any Lewmar office; we will be pleased to

## Sail Area

Application	m ft	Boat Length Overall											
		6.1–7.6 20–25	7.6–8.8 25–29	8.8–10.1 29–33	10.1–10.7 33–35	10.7–11.3 35–37	11.3–11.9 37–39	11.9–12.5 39–41	12.5–14.6 42–48	14.6–16.8 48–55	16.8–18.9 55–62	18.9–21.6 62–71	21.6–24.3 71–80
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	2700 251
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	5400 502
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	1200 111

## Winch Selection Guide

Application	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																
	14/16																
	30																
	40																
	46																
	48																
	50																
	54																
	58																
	65																
	68																
	77																
	88																
	111																
122																	
150																	
Spinnaker Sheet	6																
	7																
	8																
	14/16																
	30																
	40																
	46																
	48																
	54																
	65																
	68																
	77																
	88																
	111																
Main Sheet	6																
	7																
	14/16																
	30																
	40																
	48																
	54																
	65																
	68																
	77																
	Genoa Halyard	6															
		7															
		14/16															
		30															
40																	
46																	
48																	
50																	
54																	
58																	
65																	
68																	
77																	
Spinnaker Halyard		6															
	7																
	8																
	14/16																
	30																
	46																
	48																
	50																
	58																
	65																
	68																

make individual recommendations. 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 — consult your Lewmar office or rigger for further guidance.

## Winch Selection Guide

Application	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+
Main Halyard	6															
	7															
	8															
	14-16															
	30															
	40															
	46															
	48															
Staysail Halyard	54															
	65															
	68															
	77															
	6															
	7															
	8															
	14-16															
Spin Pole Topping Lift	30															
	40															
	46															
	50															
	58															
	6															
	8															
	14-16															
Spin Pole Foreguy	30															
	40															
	46															
	48															
	54															
	65															
	6															
	7															
Main Outhaul	8															
	14-16															
	30															
	40															
	46															
	50															
	65															
	6															
Cunningham/ Reef	7															
	8															
	14-16															
	30															
	40															
	46															
	50															
	58															
Boom Vang	65															
	6															
	7															
	8															
	14-16															
	30															
	40															
	Runners	46														
48																
58																
68																
7																
8																
14-16																
Furling Line		30														
	40															
	46															
	48															
	50															
	54															



# Standard Winches

Lewmar has created a winch range that incorporates many exciting disciplines. All brought together with a blend of traditional skills and high technology, which are reflected in the outstanding quality of Lewmar's standard winches. Besides the technical innovation and high performance criteria involved, there's also the aesthetic appearance and finish to consider. The range shown here achieves just that with sizes ranging from 6 to 44, one- or two-speed gearing and three superb finishes including classical bronze. All of which is supported by a comprehensive range of winch spares.



6 One-Speed Standard Winch



7 One-Speed Standard Winch



30 Two-Speed Standard Winch\*





8 One-Speed Standard Winch



16 Two-Speed Standard Winch



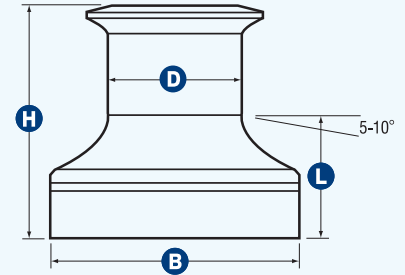
40 Two-Speed Standard Winch\*



44 Two-Speed Standard Winch

## Standard Winch Dimensions

Note: Not all mounting holes are symmetrical on all models.



## Expert Advice

When installing a winch, Lewmar recommends the winch be mounted on an even 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.

## Standard Winch Specifications

Part Number	Model	Finish	Gear Ratio		Power Ratio		Weight		Drum Dia		Base Dia		Height		Line Entry		Mounting Instructions
			1st	2nd	1st	2nd	kg	lb	mm	in	mm	in	mm	in	mm	in	
49006010	6	Alloy	1:1	6.8:1	0.5	1.1	59	2 5/16	94	3 11/16	83	3 3/4	35.5	1 3/8			
19006100*	6	Chrome	1:1	6.8:1	1.1	2.4	59	2 5/16	94	3 11/16	83	3 3/4	35.5	1 3/8			4 x M6 (1/4 in) c'sk head screws on 66mm (2 13/32 in) PCD
19006190*	6	Bronze	1:1	6.8:1	1.1	2.4	59	2 5/16	94	3 11/16	83	3 3/4	35.5	1 3/8			
49007030	7	Alloy	1:1	7.9:1	0.8	1.8	65	2 9/16	108	4 1/4	102	4	40	1 9/16			
49007032*	7	Chrome	1:1	7.9:1	1.7	3.7	65	2 9/16	108	4 1/4	102	4	40	1 9/16			5 x M6 (1/4 in) c'sk head screws on 80mm (3 1/2 in) PCD
49007031*	7	Bronze	1:1	7.9:1	1.7	3.7	65	2 9/16	108	4 1/4	102	4	40	1 9/16			
49008030	8	Alloy	1:1	7.9:1	1.4	3.1	65	2 9/16	108	4 1/4	103	4 1/16	40	1 9/16			
49008032*	8	Chrome	1:1	7.9:1	2.3	5.1	65	2 9/16	108	4 1/4	103	4 1/16	40	1 9/16			5 x M6 (1/4 in) c'sk head screws on 80mm (3 1/2 in) PCD
49008031*	8	Bronze	1:1	7.9:1	2.3	5.1	65	2 9/16	108	4 1/4	103	4 1/16	40	1 9/16			
49016030	16	Alloy	1:1	2:1	7.9:1	16:1	2.1	4.6	67	2 5/8	120	4 3/4	112	4 7/16	55	2 3/16	
49016032*	16	Chrome	1:1	2:1	7.9:1	16:1	3.2	7.0	67	2 5/8	120	4 3/4	112	4 7/16	55	2 3/16	5 x M6 (1/4 in) c'sk head screws on 94mm (3 11/16 in) PCD
49016031*	16	Bronze	1:1	2:1	7.9:1	16:1	3.2	7.0	67	2 5/8	120	4 3/4	112	4 7/16	55	2 3/16	
49030030	30	Alloy	1:1	4.3:1	7.1	30:1	2.9	6.4	74	2 9/16	136	5 3/4	128	5 1/16	70	2 3/4	5 x M6 (1/4 in) c'sk head screws on 114mm (4 1/2 in) PCD
49040030	40	Alloy	1:1	6:1	6.7:1	40:1	3.8	8.4	74	2 9/16	148	5 13/16	141.5	5 9/16	77	3	5 x M6 (1/4 in) c'sk head screws on 121mm (4 3/4 in) PCD
49044005	44	Alloy	2.4:1	7.6:1	13.8:1	44.8:1	5.7	12.5	86	3 3/8	167	6 1/2	151	6 1/8	84	3 5/16	
49044007*	44	Chrome	2.4:1	7.6:1	13.8:1	44.8:1	7.7	16.9	86	3 3/8	167	6 1/2	151	6 1/8	84	3 5/16	5 x M8 (5/16 in) c'sk head screws on 136mm (5 1/2 in) PCD
49044008*	44	Bronze	2.4:1	7.6:1	13.8:1	44.8:1	7.7	16.9	86	3 3/8	167	6 1/2	151	6 1/8	84	3 5/16	

Note: Part No's marked with a \* are made to order. (i.e. Chrome and Bronze finishes.)

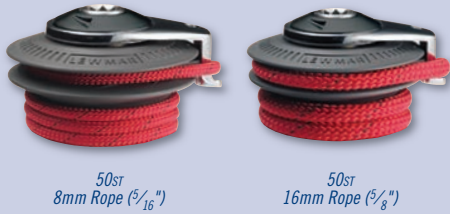




# Self-Tailing Winches

## Wavespring Self-Tailing

The ultimate self-tailing design, this winch is simple to use and provides a firm grip on the line. Adapts to a wide range of line diameters automatically.



14st One-Speed Self-Tailing Winch



16st One-Speed Self-Tailing Winch



30st Two-Speed Self-Tailing Winch



40st Two-Speed Self-Tailing Winch

## Self-Tailing Winch Specifications

Part Number	Model	Finish	Gear Ratio		Power Ratio		Weight		Drum Dia		Base Dia		Height		Line Entry		Line Size		Mounting Instructions
			1st	2nd	1st	2nd	kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	
49014000	14st	Alloy	2.1		15.8:1		2.3	5.1	65.7	2 <sup>5</sup> / <sub>16</sub>	121	4 <sup>3</sup> / <sub>4</sub>	121	4 <sup>3</sup> / <sub>4</sub>	58	2 <sup>5</sup> / <sub>16</sub>	6-10	¼ - ¾	5 x M6 (¼ in) c/sk head screws on 94mm (3 <sup>11</sup> / <sub>16</sub> in) PCD
49014001	14st	Chrome	2.1		15.8:1		3.1	6.8	65.7	2 <sup>5</sup> / <sub>16</sub>	121	4 <sup>3</sup> / <sub>4</sub>	121	4 <sup>3</sup> / <sub>4</sub>	58	2 <sup>5</sup> / <sub>16</sub>	6-10	¼ - ¾	
49016000	16st	Alloy	2.1		15.8:1		2.9	6.4	65.7	2 <sup>5</sup> / <sub>16</sub>	121	4 <sup>3</sup> / <sub>4</sub>	145.5	5 <sup>3</sup> / <sub>4</sub>	58	2 <sup>5</sup> / <sub>16</sub>	8-12	⅝ - ½	5 x M6 (¼ in) c/sk head screws on 94mm (3 <sup>11</sup> / <sub>16</sub> in) PCD
49016001	16st	Chrome	2.1		15.8:1		3.9	8.6	65.7	2 <sup>5</sup> / <sub>16</sub>	121	4 <sup>3</sup> / <sub>4</sub>	145.5	5 <sup>3</sup> / <sub>4</sub>	58	2 <sup>5</sup> / <sub>16</sub>	8-12	⅝ - ½	
49016019*	16st	Bronze	2.1		15.8:1		3.9	8.6	65.7	2 <sup>5</sup> / <sub>16</sub>	121	4 <sup>3</sup> / <sub>4</sub>	145.5	5 <sup>3</sup> / <sub>4</sub>	58	2 <sup>5</sup> / <sub>16</sub>	8-12	⅝ - ½	
49016003*	16st	All Chrome	2.1		15.8:1		4.1	9.0	65.7	2 <sup>5</sup> / <sub>16</sub>	121	4 <sup>3</sup> / <sub>4</sub>	145.5	5 <sup>3</sup> / <sub>4</sub>	58	2 <sup>5</sup> / <sub>16</sub>	8-12	⅝ - ½	
49016002*	16st	All Bronze	2.1		15.8:1		4.1	9.0	65.7	2 <sup>5</sup> / <sub>16</sub>	121	4 <sup>3</sup> / <sub>4</sub>	145.5	5 <sup>3</sup> / <sub>4</sub>	58	2 <sup>5</sup> / <sub>16</sub>	8-12	⅝ - ½	
49030000	30st	Alloy	2.1	4.2:1	13.8:1	29.2:1	4.2	9.2	74	2 <sup>15</sup> / <sub>16</sub>	138	5 <sup>7</sup> / <sub>16</sub>	160.5	6 <sup>3</sup> / <sub>16</sub>	69	2 <sup>11</sup> / <sub>16</sub>	8-12	⅝ - ½	5 x M6 (¼ in) c/sk head screws on 113mm (4 <sup>7</sup> / <sub>16</sub> in) PCD
49030001	30st	Chrome	2.1	4.2:1	13.8:1	29.2:1	5.6	12.3	74	2 <sup>15</sup> / <sub>16</sub>	138	5 <sup>7</sup> / <sub>16</sub>	160.5	6 <sup>3</sup> / <sub>16</sub>	69	2 <sup>11</sup> / <sub>16</sub>	8-12	⅝ - ½	
49030019*	30st	Bronze	2.1	4.2:1	13.8:1	29.2:1	5.6	12.3	74	2 <sup>15</sup> / <sub>16</sub>	138	5 <sup>7</sup> / <sub>16</sub>	160.5	6 <sup>3</sup> / <sub>16</sub>	69	2 <sup>11</sup> / <sub>16</sub>	8-12	⅝ - ½	
49030003*	30st	All Chrome	2.1	4.2:1	13.8:1	29.2:1	5.8	12.8	74	2 <sup>15</sup> / <sub>16</sub>	138	5 <sup>7</sup> / <sub>16</sub>	160.5	6 <sup>3</sup> / <sub>16</sub>	69	2 <sup>11</sup> / <sub>16</sub>	8-12	⅝ - ½	
49030002*	30st	All Bronze	2.1	4.2:1	13.8:1	29.2:1	5.8	12.8	74	2 <sup>15</sup> / <sub>16</sub>	138	5 <sup>7</sup> / <sub>16</sub>	160.5	6 <sup>3</sup> / <sub>16</sub>	69	2 <sup>11</sup> / <sub>16</sub>	8-12	⅝ - ½	
49040055	40st	Alloy	1.9:1	5.8:1	13.2:1	40.2:1	4.9	10.7	74	2 <sup>15</sup> / <sub>16</sub>	148	5 <sup>13</sup> / <sub>16</sub>	173	6 <sup>13</sup> / <sub>16</sub>	79	3 <sup>1</sup> / <sub>8</sub>	8-12	⅝ - ½	5 x M6 (¼ in) c/sk head screws on 121mm (4 <sup>7</sup> / <sub>16</sub> in) PCD
49040056	40st	Chrome	1.9:1	5.8:1	13.2:1	40.2:1	6.5	14.3	74	2 <sup>15</sup> / <sub>16</sub>	148	5 <sup>13</sup> / <sub>16</sub>	173	6 <sup>13</sup> / <sub>16</sub>	79	3 <sup>1</sup> / <sub>8</sub>	8-12	⅝ - ½	
49040057*	40st	Bronze	1.9:1	5.8:1	13.2:1	40.2:1	6.5	14.3	74	2 <sup>15</sup> / <sub>16</sub>	148	5 <sup>13</sup> / <sub>16</sub>	173	6 <sup>13</sup> / <sub>16</sub>	79	3 <sup>1</sup> / <sub>8</sub>	8-12	⅝ - ½	
49040058*	40st	Stainless Steel	1.9:1	5.8:1	13.2:1	40.2:1	6.4	14.1	74	2 <sup>15</sup> / <sub>16</sub>	148	5 <sup>13</sup> / <sub>16</sub>	173	6 <sup>13</sup> / <sub>16</sub>	79	3 <sup>1</sup> / <sub>8</sub>	8-12	⅝ - ½	
49040059*	40st	All Chrome	1.9:1	5.8:1	13.2:1	40.2:1	6.7	14.7	74	2 <sup>15</sup> / <sub>16</sub>	148	5 <sup>13</sup> / <sub>16</sub>	173	6 <sup>13</sup> / <sub>16</sub>	79	3 <sup>1</sup> / <sub>8</sub>	8-12	⅝ - ½	
49040060*	40st	All Bronze	1.9:1	5.8:1	13.2:1	40.2:1	6.7	14.7	74	2 <sup>15</sup> / <sub>16</sub>	148	5 <sup>13</sup> / <sub>16</sub>	173	6 <sup>13</sup> / <sub>16</sub>	79	3 <sup>1</sup> / <sub>8</sub>	8-12	⅝ - ½	

Note: All models marked with an (\*) i.e. Bronze, Stainless Steel, All Chrome and All Bronze Winch Finishes are made to order.



46st Two-Speed Self-Tailing Winch



48st Two-Speed Self-Tailing Winch



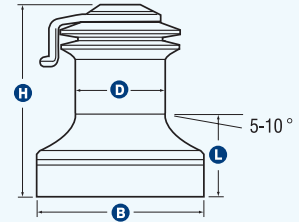
50st Two-Speed Self-Tailing Winch



54st Two-Speed Self-Tailing Winch

## Self-Tailing Winch Dimensions

Note: Not all mounting holes are symmetrical on all models.



## Expert Advice

When installing a winch, Lewmar recommends the winch be mounted on an even 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.

## Self-Tailing Winch Specifications

Part Number	Model	Finish	Gear Ratio		Power Ratio		Weight		Drum Dia		Base Dia		Height		Line Entry		Line Size		Mounting Instructions
			1st	2nd	1st	2nd	kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	
49046055	46st	Alloy	2.4:1	7.6:1	13.9:1	44.8:1	7.2	15.8	87	3 <sup>1</sup> / <sub>16</sub>	168	6 <sup>5</sup> / <sub>16</sub>	192	7 <sup>7</sup> / <sub>16</sub>	84	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	5 x M8 (5/16 in) c'sk head screws on 136mm (5 1/2 in) PCD
49046056	46st	Chrome	2.4:1	7.6:1	13.9:1	44.8:1	9.7	21.3	87	3 <sup>1</sup> / <sub>16</sub>	168	6 <sup>5</sup> / <sub>16</sub>	192	7 <sup>7</sup> / <sub>16</sub>	84	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49046057*	46st	Bronze	2.4:1	7.6:1	13.9:1	44.8:1	9.7	21.3	87	3 <sup>1</sup> / <sub>16</sub>	168	6 <sup>5</sup> / <sub>16</sub>	192	7 <sup>7</sup> / <sub>16</sub>	84	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49046058*	46st	Stainless Steel	2.4:1	7.6:1	13.9:1	44.8:1	9.4	20.7	87	3 <sup>1</sup> / <sub>16</sub>	168	6 <sup>5</sup> / <sub>16</sub>	192	7 <sup>7</sup> / <sub>16</sub>	84	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49046059*	46st	All Chrome	2.4:1	7.6:1	13.9:1	44.8:1	10.0	22.0	87	3 <sup>1</sup> / <sub>16</sub>	168	6 <sup>5</sup> / <sub>16</sub>	192	7 <sup>7</sup> / <sub>16</sub>	84	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49046060*	46st	All Bronze	2.4:1	7.6:1	13.9:1	44.8:1	10.0	22.0	87	3 <sup>1</sup> / <sub>16</sub>	168	6 <sup>5</sup> / <sub>16</sub>	192	7 <sup>7</sup> / <sub>16</sub>	84	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49048055	48st	Alloy	2.6:1	9:1	13.9:1	48.6:1	8.8	19.4	93	3 <sup>3</sup> / <sub>16</sub>	181	7 <sup>1</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	86	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	5 x M8 (5/16 in) c'sk head screws on 150mm (5 29/32 in) PCD
49048056	48st	Chrome	2.6:1	9:1	13.9:1	48.6:1	12.1	26.7	93	3 <sup>3</sup> / <sub>16</sub>	181	7 <sup>1</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	86	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49048057*	48st	Bronze	2.6:1	9:1	13.9:1	48.6:1	12.1	26.7	93	3 <sup>3</sup> / <sub>16</sub>	181	7 <sup>1</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	86	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49048058*	48st	Stainless Steel	2.6:1	9:1	13.9:1	48.6:1	11.4	25.1	93	3 <sup>3</sup> / <sub>16</sub>	181	7 <sup>1</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	86	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49048059*	48st	All Chrome	2.6:1	9:1	13.9:1	48.6:1	12.6	27.7	93	3 <sup>3</sup> / <sub>16</sub>	181	7 <sup>1</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	86	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49048060*	48st	All Bronze	2.6:1	9:1	13.9:1	48.6:1	12.6	27.7	93	3 <sup>3</sup> / <sub>16</sub>	181	7 <sup>1</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	86	3 <sup>3</sup> / <sub>16</sub>	8-14	5/16 - 9/16	
49050000	50st	Alloy	2.8:1	10.5:1	13.8:1	50.6:1	11.3	24.9	105	4 <sup>1</sup> / <sub>16</sub>	200	7 <sup>7</sup> / <sub>16</sub>	238	9 <sup>3</sup> / <sub>16</sub>	106	4 <sup>3</sup> / <sub>16</sub>	8-16	5/16 - 5/8	6 x M8 (5/16 in) c'sk head screws on 165mm (6 1/2 in) PCD
49050001	50st	Chrome	2.8:1	10.5:1	13.8:1	50.6:1	16.3	35.9	105	4 <sup>1</sup> / <sub>16</sub>	200	7 <sup>7</sup> / <sub>16</sub>	238	9 <sup>3</sup> / <sub>16</sub>	106	4 <sup>3</sup> / <sub>16</sub>	8-16	5/16 - 5/8	
49050019*	50st	Bronze	2.8:1	10.5:1	13.8:1	50.6:1	16.3	35.9	105	4 <sup>1</sup> / <sub>16</sub>	200	7 <sup>7</sup> / <sub>16</sub>	238	9 <sup>3</sup> / <sub>16</sub>	106	4 <sup>3</sup> / <sub>16</sub>	8-16	5/16 - 5/8	
49050004*	50st	Stainless Steel	2.8:1	10.5:1	13.8:1	50.6:1	16.0	35.2	105	4 <sup>1</sup> / <sub>16</sub>	200	7 <sup>7</sup> / <sub>16</sub>	238	9 <sup>3</sup> / <sub>16</sub>	106	4 <sup>3</sup> / <sub>16</sub>	8-16	5/16 - 5/8	
49050003*	50st	All Chrome	2.8:1	10.5:1	13.8:1	50.6:1	16.9	37.2	105	4 <sup>1</sup> / <sub>16</sub>	200	7 <sup>7</sup> / <sub>16</sub>	238	9 <sup>3</sup> / <sub>16</sub>	106	4 <sup>3</sup> / <sub>16</sub>	8-16	5/16 - 5/8	
49050002*	50st	All Bronze	2.8:1	10.5:1	13.8:1	50.6:1	16.9	37.2	105	4 <sup>1</sup> / <sub>16</sub>	200	7 <sup>7</sup> / <sub>16</sub>	238	9 <sup>3</sup> / <sub>16</sub>	106	4 <sup>3</sup> / <sub>16</sub>	8-16	5/16 - 5/8	
49054000	54st	Alloy	2.8:1	11.2:1	13.8:1	54:1	12.0	26.4	105	4 <sup>1</sup> / <sub>16</sub>	205	8 <sup>1</sup> / <sub>16</sub>	250	9 <sup>7</sup> / <sub>16</sub>	115	4 <sup>1</sup> / <sub>2</sub>	8-16	5/16 - 5/8	6 x M8 (5/16 in) c'sk head screws on 165mm (6 1/2 in) PCD
49054001	54st	Chrome	2.8:1	11.2:1	13.8:1	54:1	17.0	37.5	105	4 <sup>1</sup> / <sub>16</sub>	205	8 <sup>1</sup> / <sub>16</sub>	250	9 <sup>7</sup> / <sub>16</sub>	115	4 <sup>1</sup> / <sub>2</sub>	8-16	5/16 - 5/8	
49044019*	54st	Bronze	2.8:1	11.2:1	13.8:1	54:1	17.0	37.5	105	4 <sup>1</sup> / <sub>16</sub>	205	8 <sup>1</sup> / <sub>16</sub>	250	9 <sup>7</sup> / <sub>16</sub>	115	4 <sup>1</sup> / <sub>2</sub>	8-16	5/16 - 5/8	
49054004*	54st	Stainless Steel	2.8:1	11.2:1	13.8:1	54:1	16.8	36.9	105	4 <sup>1</sup> / <sub>16</sub>	205	8 <sup>1</sup> / <sub>16</sub>	250	9 <sup>7</sup> / <sub>16</sub>	115	4 <sup>1</sup> / <sub>2</sub>	8-16	5/16 - 5/8	
49054003*	54st	All Chrome	2.8:1	11.2:1	13.8:1	54:1	17.6	38.7	105	4 <sup>1</sup> / <sub>16</sub>	205	8 <sup>1</sup> / <sub>16</sub>	250	9 <sup>7</sup> / <sub>16</sub>	115	4 <sup>1</sup> / <sub>2</sub>	8-16	5/16 - 5/8	
49054002*	54st	All Bronze	2.8:1	11.2:1	13.8:1	54:1	17.6	38.7	105	4 <sup>1</sup> / <sub>16</sub>	205	8 <sup>1</sup> / <sub>16</sub>	250	9 <sup>7</sup> / <sub>16</sub>	115	4 <sup>1</sup> / <sub>2</sub>	8-16	5/16 - 5/8	

Note: All models marked with an (\*) [i.e. Bronze, Stainless Steel, All Chrome and All Bronze Winch Finishes] are made to order.







58st Two-Speed Self-Tailing Winch



65st Two-Speed Self-Tailing Winch



68st Two & Three-Speed Self-Tailing Winch\*



77st Two & Three-Speed Self-Tailing Winch\*



88st Two & Three-Speed Self-Tailing Winch



111st Two & Three-Speed Self-Tailing Winch



122st Two-Speed plus Backwind Self-Tailing Winch



150st Two-Speed plus Backwind Self-Tailing Winch

\* Alloy base versions shown



## Self-Tailing Winch Specifications

Part Number	Model	Finish	Gear Ratio			Power Ratio			Weight		Drum Dia		Base Dia		Height		Line Entry		Line Size		Mounting Instructions
			1st	2nd	3rd	1st	2nd	3rd	kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	
49058000	58ST	Alloy	3.1:1	13.5:1		13.5:1	58.1:1		14.3	31.5	118	4 3/8	228	9	266	10 1/2	118.5	4 1 1/16	8-18	5/16-1 1/16	5 x M10 (3/8 in) c'sk head screws on 184mm (7 1/4 in) PCD
49058001	58ST	Chrome	3.1:1	13.5:1		13.5:1	58.1:1		20.8	45.8	118	4 3/8	228	9	266	10 1/2	118.5	4 1 1/16	8-18	5/16-1 1/16	
49058019*	58ST	Bronze	3.1:1	13.5:1		13.5:1	58.1:1		20.8	45.8	118	4 3/8	228	9	266	10 1/2	118.5	4 1 1/16	8-18	5/16-1 1/16	
49058004*	58ST	Stainless Steel	3.1:1	13.5:1		13.5:1	58.1:1		19.8	43.5	118	4 3/8	228	9	266	10 1/2	118.5	4 1 1/16	8-18	5/16-1 1/16	
49058003*	58ST	All Chrome	3.1:1	13.5:1		13.5:1	58.1:1		21.6	47.5	118	4 3/8	228	9	266	10 1/2	118.5	4 1 1/16	8-18	5/16-1 1/16	
49058002*	58ST	All Bronze	3.1:1	13.5:1		13.5:1	58.1:1		21.6	47.5	118	4 3/8	228	9	266	10 1/2	118.5	4 1 1/16	8-18	5/16-1 1/16	
49065000	65ST	Alloy	3.1:1	15.3:1		13.4:1	66:1		16.6	36.5	118	4 3/8	231	9 3/8	271	10 1 1/16	121.5	4 1 3/16	8-18	5/16-1 1/16	5 x M10 (3/8 in) c'sk head screws on 184mm (7 1/4 in) PCD
49065001	65ST	Chrome	3.1:1	15.3:1		13.4:1	66:1		16.6	36.5	118	4 3/8	231	9 3/8	271	10 1 1/16	121.5	4 1 3/16	8-18	5/16-1 1/16	
49065019*	65ST	Bronze	3.1:1	15.3:1		13.4:1	66:1		16.6	36.5	118	4 3/8	231	9 3/8	271	10 1 1/16	121.5	4 1 3/16	8-18	5/16-1 1/16	
49065004*	65ST	Stainless Steel	3.1:1	15.3:1		13.4:1	66:1		16.6	36.5	118	4 3/8	231	9 3/8	271	10 1 1/16	121.5	4 1 3/16	8-18	5/16-1 1/16	
49065003*	65ST	All Chrome	3.1:1	15.3:1		13.4:1	66:1		16.6	36.5	118	4 3/8	231	9 3/8	271	10 1 1/16	121.5	4 1 3/16	8-18	5/16-1 1/16	
49065002*	65ST	All Bronze	3.1:1	15.3:1		13.4:1	66:1		16.6	36.5	118	4 3/8	231	9 3/8	271	10 1 1/16	121.5	4 1 3/16	8-18	5/16-1 1/16	
49066000	68ST	Alloy	5.8:1	18.8:1		20.9:1	67.6:1		20.0	44.0	141	5 1/16	282	11 1/8	302	11 7/8	142	5 5/8	10-20	3/8-3/4	6 x M10 (3/8 in) c'sk head screws on 220mm (8 3/4 in) PCD
49066001	68ST	Chrome	5.8:1	18.8:1		20.9:1	67.6:1		26.8	59.0	141	5 1/16	282	11 1/8	302	11 7/8	142	5 5/8	10-20	3/8-3/4	
49066019*	68ST	Bronze	5.8:1	18.8:1		20.9:1	67.6:1		26.8	59.0	141	5 1/16	282	11 1/8	302	11 7/8	142	5 5/8	10-20	3/8-3/4	
49066004*	68ST	Stainless Steel	5.8:1	18.8:1		20.9:1	67.6:1		25.8	56.7	141	5 1/16	282	11 1/8	302	11 7/8	142	5 5/8	10-20	3/8-3/4	
49066003*	68ST	All Chrome	5.8:1	18.8:1		20.9:1	67.6:1		34.9	76.8	141	5 1/16	282	11 1/8	302	11 7/8	142	5 5/8	10-20	3/8-3/4	
49066002*	68ST	All Bronze	5.8:1	18.8:1		20.9:1	67.6:1		34.9	76.8	141	5 1/16	282	11 1/8	302	11 7/8	142	5 5/8	10-20	3/8-3/4	
49066005	68/3ST	Alloy	2.8:1	8:1	19.3:1	9.9:1	29:1	69.3:1	22.0	48.4	141	5 1/16	294	11 3/8	348	13 3/4	186.4	7 3/8	10-20	3/8-3/4	6 x M10 (3/8 in) c'sk head screws on 220mm (8 3/4 in) PCD
49066006	68/3ST	Chrome	2.8:1	8:1	19.3:1	9.9:1	29:1	69.3:1	28.8	63.4	141	5 1/16	294	11 3/8	348	13 3/4	186.4	7 3/8	10-20	3/8-3/4	
49066009*	68/3ST	Stainless Steel	2.8:1	8:1	19.3:1	9.9:1	29:1	69.3:1	27.8	61.2	141	5 1/16	294	11 3/8	348	13 3/4	186.4	7 3/8	10-20	3/8-3/4	
49066008*	68/3ST	All Chrome	2.8:1	8:1	19.3:1	9.9:1	29:1	69.3:1	36.9	81.2	141	5 1/16	294	11 3/8	348	13 3/4	186.4	7 3/8	10-20	3/8-3/4	
49077000	77ST	Alloy	8:1	27:1		23:1	77:1		23.8	52.4	178	7	294	11 3/8	348	13 3/4	174	6 7/8	12-22	1/2-7/8	6 x M10 (3/8 in) c'sk head screws on 241mm (9 1/2 in) PCD
49077001	77ST	Chrome	8:1	27:1		23:1	77:1		30.6	67.3	178	7	294	11 3/8	348	13 3/4	174	6 7/8	12-22	1/2-7/8	
49077004*	77ST	Stainless Steel	8:1	27:1		23:1	77:1		29.5	64.9	178	7	294	11 3/8	348	13 3/4	174	6 7/8	12-22	1/2-7/8	
49077003*	77ST	All Chrome	8:1	27:1		23:1	77:1		30.7	85.1	178	7	294	11 3/8	348	13 3/4	174	6 7/8	12-22	1/2-7/8	
49077005	77/3ST	Alloy	2.8:1	8:1	27:1	7.9:1	23:1	77:1	25.8	56.8	178	7	294	11 3/8	348	13 3/4	174	6 7/8	12-22	1/2-7/8	6 x M10 (3/8 in) c'sk head screws on 241mm (9 1/2 in) PCD
49077006	77/3ST	Chrome	2.8:1	8:1	27:1	7.9:1	23:1	77:1	32.8	72.2	178	7	294	11 3/8	348	13 3/4	174	6 7/8	12-22	1/2-7/8	
49077009*	77/3ST	Stainless Steel	2.8:1	8:1	27:1	7.9:1	23:1	77:1	30.8	67.7	178	7	294	11 3/8	348	13 3/4	174	6 7/8	12-22	1/2-7/8	
49077008*	77/3ST	All Chrome	2.8:1	8:1	27:1	7.9:1	23:1	77:1	40.7	89.5	178	7	294	11 3/8	348	13 3/4	174	6 7/8	12-22	1/2-7/8	
49088004	88ST	Stainless Steel	8:1	40:1		17.8:1	88:1		45	99.0	228	9	326	12 3/4	355	14	159.5	6 3/4	12-25	1/2-1	8 x M12 (1/2 in) c'sk head screws on 270mm (10 5/8 in) PCD
49088009	88/3ST	Stainless Steel	3.8:1	8:1	40:1	8.4:1	17.8:1	88:1	46	101.4	228	9	326	12 3/4	355	14	159.5	6 3/4	12-25	1/2-1	
49111004	111ST	Stainless Steel	8:1	45.2:1		14.8:1	82.2:1		54	118.8	280	11	406	16	396	15 5/8	171.5	6 3/4	16-38	5/8-1 1/2	6 x M12 (1/2 in) c'sk head screws on 340mm (13 3/8 in) PCD
49111009	111/3ST	Stainless Steel	3.6:1	8:1	45.2:1	6.6:1	14.8:1	82.2:1	56	123.2	280	11	406	16	396	15 5/8	171.5	6 3/4	16-38	5/8-1 1/2	

## Self-Tailing Winch with Backwind Specifications

Part Number	Model	Finish	Gear Ratio			Power Ratio			Weight		Drum Dia		Base Dia		Height		Line Entry		Line Size		Mounting Instructions
			1st	2nd	Back	1st	2nd	Back	kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	
49122004	122ST	Stainless Steel	9.5:1	35.6:1	56:1				184	405	350	13 3/4	540	21 5/16	470	18 1/2	200	7 7/8	16-38	5/8-1 1/2	9 x M16 (5/8 in) hex head screws on 485mm (19 in) PCD†
40004751	150ST	Stainless Steel	8:1:1	62.5:1	Hyd			Hydraulic	375	826.7	406	16	656	25 13/16	535	21	250	9 13/16	16-38	5/8-1 1/2	10 x M16 (5/8 in) hex head screws on 620mm (24 13/32 in) PCD†

Note: All models marked with an (\*) are made to order. \*\* Dependent on linked gear ratios used in system.

# Electric Winches

A Self-Tailing Ocean Winch that works at the push of a button. That's exactly what you'll find with Lewmar's Electric Winch range. Available in sizes 40-111, our electric winches give you complete hands-free sail control on boats from 30-80 feet (9-24m) long.

Winches are available with two levels of control boxes – The Simple E Series contactor or the ELS (Electric Load Sensing) control box, which includes overload protection.

## Features

- Convertible System
- Add Push-Button Power
- Quiet Operation
- Manual Override for Traditional Sailing
- All the benefits of the Ocean range
- Easy to Install

## Standard Electric Winch Complete Kits

Part Number	Model	Description	Finish
490402551	40AEST	12V "E" KIT	Aluminum Electric Winch
490402561	40CEST	12V "E" KIT	Chromed Bronze Electric Winch
490462551	46AEST	12V "E" KIT	Aluminum Electric Winch
490462561	46CEST	12V "E" KIT	Chromed Bronze Electric Winch
490482551	48AEST	12V "E" KIT	Aluminum Electric Winch
490482561	48CEST	12V "E" KIT	Chromed Bronze Electric Winch
49050200	50AEST	12V "ELS" KIT	Aluminum Electric Winch
49050201	50CEST	12V "ELS" KIT	Chromed Bronze Electric Winch
49054200	54AEST	12V "ELS" KIT	Aluminum Electric Winch
49054201	54CEST	12V "ELS" KIT	Chromed Bronze Electric Winch
49058200	58AEST	12V "ELS" KIT	Aluminum Electric Winch
49058201	58CEST	12V "ELS" KIT	Chromed Bronze Electric Winch
49065200	65AEST	12V "ELS" KIT	Aluminum Electric Winch
49065201	65CEST	12V "ELS" KIT	Chromed Bronze Electric Winch

Models 40/46/48 also available as Type "ELS" to order.

All models available 24V to order.

All chrome and all bronze available to order.

Kit includes: deck unit, motor/gearbox, contactor (40 to 48) or control box (50 to 65), circuit breaker (40 to 50) or fuse (54 to 65), deck switch (69000345).



40 - 65 EST  
Two + One-Speed  
Electric Winch

## Custom Electric Winch Complete Kit

Part No.	Size	Finish	Weight	
			kg	lb
49088214	88EST	Stain/Steel	62.0	136.4
49088219	88/3EST	Stain/Steel	63.3	139.3
49111214	111EST	Stain/Steel	63.5	139.7
49111219	111/3EST	Stain/Steel	65.0	143.32

Notes:

- Kit includes: Deck unit, motor/gearbox and control box.



88EST Two + Three-  
Speed Electric Winch



111EST Two + Three-  
Speed Electric Winch

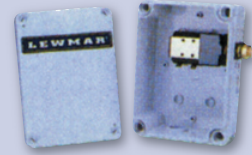


# Specify your own Electric Winch Kit

① Deck Unit



③ Contactor/  
Control Box



② Motor  
Gearbox



④ Accessories



## ① Electric Winch Deck Unit

### Electric Winch

Part No.	Model	Finish	Weight	
			kg	lb
48040255	40EST	Grey Alloy	17.8	39.3
48040256	40EST	Chrome	19.5	43
48040258*	40EST	Stain/Steel	19.3	42.7
48040259*	40EST	All Chrome	20.2	44.5
48040260*	40EST	All Bronze	20	44.1
48046255	46EST	Grey Alloy	22.1	48.6
48046256	46EST	Chrome	24.6	54.1
48046258*	46EST	Stain/Steel	24.3	53.5
48046259*	46EST	All Chrome	25.1	55.9
48046260*	46EST	All Bronze	24.6	54.1
48048255	48EST	Grey Alloy	24.7	54.3
48048256	48EST	Chrome	28.1	61.8
48048258*	48EST	Stain/Steel	27.3	60
48048259*	48EST	All Chrome	28.8	63.3
48048260*	48EST	All Bronze	28.8	63.3
48050200	50EST	Alloy	28.3	62.2
48050201	50EST	Chrome	33.2	73
48050204*	50EST	Stainless Steel	33	72.6

Part No.	Size	Finish	Weight	
			kg	lb
48050203*	50EST	All Chrome	34	74.8
48050202*	50EST	All Bronze	34	74.8
48054200	54est	Alloy	29	63.8
48054201	54est	Chrome	34.8	76.5
48054204*	54est	Stainless Steel	34	74.8
48054203*	54est	All Chrome	35.6	78.3
48054202*	54est	All Bronze	35.6	78.3
48058200	58est	Alloy	31.3	68.8
48058201	58est	Chrome	37.7	82.9
48058204*	58est	Stainless Steel	36.0	79.2
48058203*	58est	All Chrome	38.5	84.7
48058202*	58est	All Bronze	38.5	84.7
48065200	65est	Alloy	33.6	73.9
48065201	65est	Chrome	40.8	89.7
48065204*	65est	Stain/Steel	38.0	83.6
48065203*	65est	All Chrome	41.6	91.5
48065202*	65est	All Bronze	41.6	91.5

### Custom Electric Winch

Part No.	Model	Finish	Weight	
			kg	lb
48068200	68EST	Alloy	42.0	92.
48068201	68EST	Chrome	48.8	107.3
48068204*	68EST	Stain/Steel	46.0	101.2
48068203*	68EST	All Chrome	49.7	109.3
48068202*	68EST	All Bronze	49.7	109.3x
48068205	68/3EST	Alloy	48.0	105.6
48068206	68/3EST	Chrome	54.8	120.6
48068209*	68/3EST	Stain/Steel	52.0	114.4
48068208*	68/3EST	All Chrome	55.7	122.5

Part No.	Model	Finish	Weight	
			kg	lb
48077200	77EST	Alloy	49.3	108.5
48077201	77EST	Chrome	55.3	121.7
48077204*	77EST	Stain/Steel	53.0	116.6
48077203*	77EST	All Chrome	62.3	137.7
48077205	77/3EST	Alloy	51.3	112.9
48077206	77/3EST	Chrome	57.3	126.1
48077209*	77/3EST	Stain/Steel	55.0	121.0
48077208*	77/3EST	All Chrome	64.3	141.5

**Notes:**

- All models marked with an (\*) i.e. [Stainless Steel, All Chrome and All Bronze Winch Finishes] are made to order.
- Weight shown above includes the weight of Motor Gearbox + control box



68EST Two + Two-Speed Electric Winch

# Electric Winch Specifications

When installing a winch, Lewmar recommends the winch be mounted on a level 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.

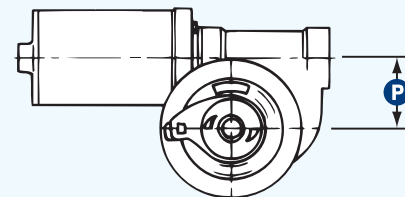
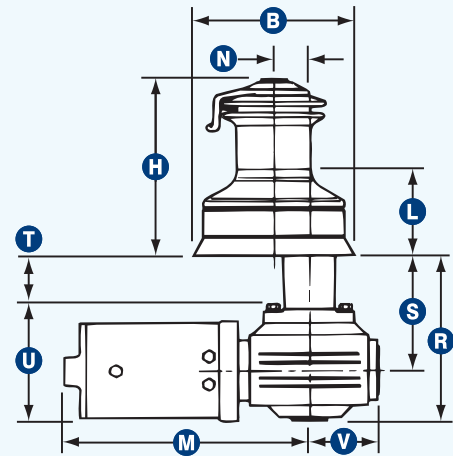
Winch	H Height		L Line Entry		M		N		P		R		S		T		U		V		B Base Dia		Line Size	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
40est	189.4	7 <sup>5</sup> / <sub>32</sub>	95.4	3 <sup>9</sup> / <sub>64</sub>	238.5	9 <sup>25</sup> / <sub>64</sub>	38.1	1 <sup>1</sup> / <sub>2</sub>	50	1 <sup>31</sup> / <sub>32</sub>	151	5 <sup>9</sup> / <sub>64</sub>	100.5	3 <sup>61</sup> / <sub>64</sub>	34.4	1 <sup>23</sup> / <sub>64</sub>	120.7	4 <sup>3</sup> / <sub>4</sub>	72.5	2 <sup>55</sup> / <sub>64</sub>	154	6 <sup>1</sup> / <sub>16</sub>	8-12	5/16-1/2
46est	208.3	8 <sup>13</sup> / <sub>64</sub>	100.3	3 <sup>61</sup> / <sub>64</sub>	238.8	9 <sup>25</sup> / <sub>64</sub>	41.8	1 <sup>21</sup> / <sub>32</sub>	50	1 <sup>31</sup> / <sub>32</sub>	181	7 <sup>1</sup> / <sub>8</sub>	130.5	5 <sup>9</sup> / <sub>64</sub>	64.4	2 <sup>11</sup> / <sub>32</sub>	120.7	4 <sup>3</sup> / <sub>4</sub>	72.5	2 <sup>55</sup> / <sub>64</sub>	174	6 <sup>5</sup> / <sub>64</sub>	8-14	5/16-9/16
48est	224.2	8 <sup>53</sup> / <sub>64</sub>	105.2	4 <sup>9</sup> / <sub>64</sub>	238.5	9 <sup>25</sup> / <sub>64</sub>	44.3	1 <sup>3</sup> / <sub>4</sub>	50	1 <sup>31</sup> / <sub>32</sub>	181	7 <sup>1</sup> / <sub>8</sub>	130.5	5 <sup>9</sup> / <sub>64</sub>	64.4	2 <sup>11</sup> / <sub>32</sub>	120.7	4 <sup>3</sup> / <sub>4</sub>	72.5	2 <sup>55</sup> / <sub>64</sub>	186	7 <sup>21</sup> / <sub>64</sub>	8-14	5/16-9/16
50est	258	10 <sup>3</sup> / <sub>16</sub>	126	5	290	11 <sup>7</sup> / <sub>16</sub>	48.5	1 <sup>9</sup> / <sub>16</sub>	62	2 <sup>7</sup> / <sub>16</sub>	198.5	7 <sup>13</sup> / <sub>16</sub>	138.5	5 <sup>7</sup> / <sub>16</sub>	59.5	2 <sup>9</sup> / <sub>16</sub>	160	6 <sup>1</sup> / <sub>4</sub>	80	3 <sup>3</sup> / <sub>8</sub>	209	8 <sup>1</sup> / <sub>4</sub>	8-16	5/16-9/8
54est	270	10 <sup>9</sup> / <sub>16</sub>	135.8	5 <sup>3</sup> / <sub>8</sub>	290	11 <sup>7</sup> / <sub>16</sub>	48.5	1 <sup>9</sup> / <sub>16</sub>	62	2 <sup>7</sup> / <sub>16</sub>	198.5	7 <sup>13</sup> / <sub>16</sub>	138.5	5 <sup>7</sup> / <sub>16</sub>	59.5	2 <sup>9</sup> / <sub>16</sub>	160	6 <sup>1</sup> / <sub>4</sub>	80	3 <sup>3</sup> / <sub>8</sub>	209	8 <sup>1</sup> / <sub>4</sub>	8-16	5/16-9/8
58est	286.3	11 <sup>3</sup> / <sub>16</sub>	138.8	5 <sup>1</sup> / <sub>2</sub>	290	11 <sup>7</sup> / <sub>16</sub>	52.9	2 <sup>1</sup> / <sub>8</sub>	62	2 <sup>7</sup> / <sub>16</sub>	198.5	7 <sup>13</sup> / <sub>16</sub>	138.5	5 <sup>7</sup> / <sub>16</sub>	59.5	2 <sup>9</sup> / <sub>16</sub>	160	6 <sup>1</sup> / <sub>4</sub>	80	3 <sup>3</sup> / <sub>8</sub>	234	9 <sup>1</sup> / <sub>4</sub>	8-18	5/16-1 1/16
65est	291.3	11 <sup>1</sup> / <sub>2</sub>	141.8	5 <sup>9</sup> / <sub>16</sub>	290	11 <sup>7</sup> / <sub>16</sub>	52.9	2 <sup>1</sup> / <sub>8</sub>	62	2 <sup>7</sup> / <sub>16</sub>	198.5	7 <sup>13</sup> / <sub>16</sub>	138.5	5 <sup>7</sup> / <sub>16</sub>	59.5	2 <sup>9</sup> / <sub>16</sub>	160	6 <sup>1</sup> / <sub>4</sub>	80	3 <sup>3</sup> / <sub>8</sub>	234	9 <sup>1</sup> / <sub>4</sub>	8-18	5/16-1 1/16
68est	302.2	12	142.1	5 <sup>5</sup> / <sub>8</sub>	290	11 <sup>7</sup> / <sub>16</sub>	-	-	62	2 <sup>7</sup> / <sub>16</sub>	204.2	8 <sup>1</sup> / <sub>8</sub>	144.2	5 <sup>11</sup> / <sub>16</sub>	67.5	2 <sup>11</sup> / <sub>16</sub>	160	6 <sup>1</sup> / <sub>4</sub>	80	3 <sup>3</sup> / <sub>8</sub>	282	11 <sup>1</sup> / <sub>8</sub>	10-20	3/8-3/4
68/3est	346.5	13 <sup>3</sup> / <sub>8</sub>	186.4	7 <sup>9</sup> / <sub>16</sub>	290	11 <sup>7</sup> / <sub>16</sub>	-	-	62	2 <sup>7</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	144.2	5 <sup>11</sup> / <sub>16</sub>	67.5	2 <sup>11</sup> / <sub>16</sub>	160	6 <sup>1</sup> / <sub>4</sub>	80	3 <sup>3</sup> / <sub>8</sub>	294	11 <sup>9</sup> / <sub>16</sub>	10-20	3/8-3/4
77est	348	13 <sup>1</sup> / <sub>16</sub>	174	6 <sup>7</sup> / <sub>8</sub>	290	11 <sup>7</sup> / <sub>16</sub>	-	-	62	2 <sup>7</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	144.2	5 <sup>11</sup> / <sub>16</sub>	67.5	2 <sup>11</sup> / <sub>16</sub>	160	6 <sup>1</sup> / <sub>4</sub>	80	3 <sup>3</sup> / <sub>8</sub>	294	11 <sup>9</sup> / <sub>16</sub>	12-22	1/2-7/8
77/3est	348	13 <sup>1</sup> / <sub>16</sub>	174	6 <sup>7</sup> / <sub>8</sub>	290	11 <sup>7</sup> / <sub>16</sub>	-	-	62	2 <sup>7</sup> / <sub>16</sub>	208	8 <sup>3</sup> / <sub>16</sub>	144.2	5 <sup>11</sup> / <sub>16</sub>	67.5	2 <sup>11</sup> / <sub>16</sub>	160	6 <sup>1</sup> / <sub>4</sub>	80	3 <sup>3</sup> / <sub>8</sub>	294	11 <sup>9</sup> / <sub>16</sub>	12-22	1/2-7/8
88est	355	14	159.5	6 <sup>1</sup> / <sub>4</sub>	290	11 <sup>7</sup> / <sub>16</sub>	-	-	62	2 <sup>7</sup> / <sub>16</sub>	217	8 <sup>1</sup> / <sub>2</sub>	117.5	4 <sup>5</sup> / <sub>8</sub>	-	-	-	-	-	-	326	12 <sup>3</sup> / <sub>4</sub>	12-25	1/2-1
111est	396	15 <sup>5</sup> / <sub>8</sub>	171.5	6 <sup>3</sup> / <sub>4</sub>	290	11 <sup>7</sup> / <sub>16</sub>	-	-	62	2 <sup>7</sup> / <sub>16</sub>	231	9 <sup>1</sup> / <sub>8</sub>	119	4 <sup>1</sup> / <sub>16</sub>	-	-	-	-	-	-	406	16	16-38	5/8-1 1/2

- Notes:
1. Not all mounting holes are symmetrical on all models.
  2. "U" clears motor studs etc.
  3. Drum Diameter, see Self-Tailing Winches pages 82-85

## Mounting Instructions

40est	5 x M6 (1/2 in) c'sk head screws on 121mm (4 9/16 in) PCD
46est	5 x M8 (5/16 in) c'sk head screws on 136mm (5 11/32 in) PCD
48est	6 x M8 (5/16 in) c'sk head screws on 150mm (5 29/32 in) PCD
50est	6 x M8 (5/16 in) c'sk head screws on 165mm (6 1/2 in) PCD
54est	6 x M8 (5/16 in) c'sk head screws on 165mm (6 1/2 in) PCD
58est	5 x M10 (3/8 in) c'sk head screws on 184mm (7 1/4 in) PCD
64est	5 x M10 (3/8 in) c'sk head screws on 184mm (7 1/4 in) PCD
65est	5 x M10 (3/8 in) c'sk head screws on 184mm (7 1/4 in) PCD
68est	6 x M10 (3/8 in) c'sk head screws on 241mm (9 1/2 in) PCD
68/3est	6 x M10 (3/8 in) c'sk head screws on 241mm (9 1/2 in) PCD
77est	6 x M10 (3/8 in) c'sk head screws on 241mm (9 1/2 in) PCD
77/3est	6 x M10 (3/8 in) c'sk head screws on 241mm (9 1/2 in) PCD
88/3est	8 x M10 (3/8 in) c'sk head screws on 270mm (10 5/8 in) PCD
111/3est	6 x M12 (1/2 in) c'sk head screws on 340mm (13 3/8 in) PCD

Note: not all holes are symmetrical on all models.



## Cable Sizes

System Voltage	Distance (Power supply to Winch)	Cross Sectional Area	Cable Size (US Only)
12V	Up to 10m (33ft)	50mm <sup>2</sup>	Ø AWG
12V	10-15m (33-49ft)	70mm <sup>2</sup>	ØØ AWG
12V	15-20m (49-66ft)	95mm <sup>2</sup>	ØØØ AWG
24V	Up to 7m (23ft)	25mm <sup>2</sup>	3 AWG
24V	7-10m (23-33ft)	35mm <sup>2</sup>	2 AWG
24V	10-13m (33-43ft)	50mm <sup>2</sup>	Ø AWG

## ② Motor Gearbox



Part Number	Description	Motor (Watts)	40ST	46ST	48ST	50ST	54ST	58ST	65ST	68-68/3	77-77/3
48000116	40-48 12V M/GBOX ASSY	700	•	•	•						
48000117	40-48 24V M/GBOX ASSY	900	•	•	•						
48000075	50-65 12V M/GBOX ASSY	1600				•	•	•	•		
48000076	50-65 24V M/GBOX ASSY	2000				•	•	•	•		
48000077	68-77 12V M/GBOX ASSY	2000								•	•
48000078	68-77 24V M/GBOX ASSY	2000								•	•





## ③ Contactors and Control Boxes

### Type “E” - 40ST/46ST/48ST

#### Two-speed Manual plus One-speed Powered

The “E” Electric Winches are controlled by a simple single-direction Contactor. The Motor Thermal trip is connected to monitor the Motor temperature, which ensures a cut out if the heat builds up to an unacceptable level.

Manual override facility is still available for back up, or as a means of experiencing traditional sailing. Two + One-speed comes as the standard control. It gives two-speed Manual drive (through use of the winch handle) + one-speed Electric Drive. Available on Lewmar Winch sizes – 40/46/48.

### Type “ELS” - 40ST - 65ST

#### Two-speed Manual plus One-speed Powered

The “Electric Load Sensing” Electric Winches are controlled by an Overload Protection Control Box; this allows the winch to be operated up to a high load, equivalent to the SWL (Safe Working Load) of each winch size. When this load is reached, the winch automatically cuts out. If the load is reduced, the winch load can be increased back up to this cut-out level. Safety Overload Cut-Out function was pioneered by Lewmar, and is a unique Lewmar feature. A Motor Thermal trip is connected to ensure a motor cut out, if the heat builds up to an unacceptable level.

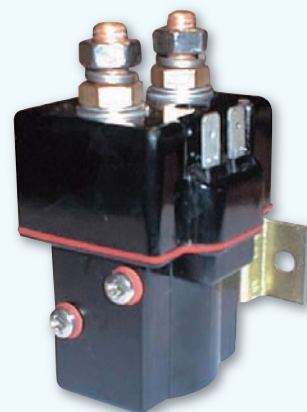
With Lewmar electric winches, the sheet is recovered rapidly at low load when sheets are slacker, and slows down as load increases. This provides speed when you need it most, and control as you tune your sheets to perfection. Manual override facility is available for back up, or as a means of experiencing traditional sailing. Two + One-speed comes as the standard control. It gives two-speed Manual drive (through use of the winch handle) + one-speed Electric Drive available on Lewmar Winch sizes — 40/46/48/50/54/58/65. Two + Two or Three-speed available on Lewmar Winch sizes — 68/77/88/111.

## Features

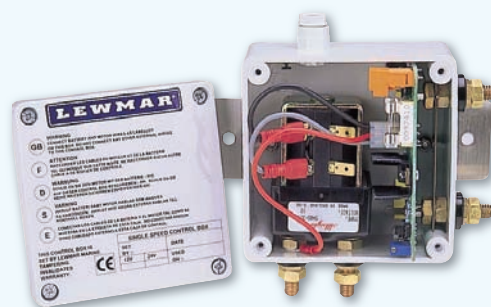
- 12V (24V to order)
- Requires NO maintenance
- Unique load cut-out system
- Motor Thermal cut-out
- Fully upgradeable system
- Steady recovery speed for all loads
- Manual override

## Features

- 12V (24V to order)
- Manual Override
- Motor Thermal cut-out
- One-speed electric/Two-speed manual
- Fully upgradeable



Contactor  
Control Box next to ELS



“ELS” Electric Load  
Sensing Control box



## Contactors and Control Boxes Selection Guide

Part Number	Description	40ST	46ST	48ST	50ST	54ST	58ST	65ST	68-68/3	77-77/3
0052505	Contacteur 12V "E"	•	•	•						
0052506	Contacteur 24V "E"	•	•	•						
18000301	Contacteur Box 12V "E"	•	•	•						
18000302	Contacteur Box 24V "E"	•	•	•						
48000081	40 Control Box 12V "ELS"	•								
48000082	40 Control Box 24V "ELS"	•								
48000083	46 Control Box 12V "ELS"		•							
48000084	46 Control Box 24V "ELS"		•							
48000085	48 Control Box 12V "ELS"			•						
48000086	48 Control Box 24V "ELS"			•						
48000087	50 Control Box 12V "ELS"				•					
48000088	50 Control Box 24V "ELS"				•					
48000089	54 Control Box 12V "ELS"					•				
48000090	54 Control Box 24V "ELS"					•				
48000091	58 Control Box 12V "ELS"						•			
48000092	58 Control Box 24V "ELS"						•			
48000093	65 Control Box 12V "ELS"							•		
48000094	65 Control Box 24V "ELS"							•		
18000430	68-68/3 Control Box 12V "ELS"								•	
18000431	68-68/3 Control Box 24V "ELS"								•	
48000022	77-77/3 Control Box 12V "ELS"									•
48000023	77-77/3 Control Box 24V "ELS"									•



## ④ Accessories

### Circuit Breaker

Part Number	Voltage	Circuit Breaker	Winch Size
68000349	12V	90A	40
68000542	24V	40A	40
68000350	12V	110A	46
68000348	24V	50A	46
68000239	12V	120A	48
68000240	24V	70A	48
68000351	12V	150A	50
68000349	24V	90A	50
	12V	<i>Refer to fuse table</i>	
68000349	24V	90A	54
	12V	<i>Refer to fuse table</i>	
68000349	24V	90A	58
	12V	<i>Refer to fuse table</i>	
68000349	24V	90A	65
68000239	12V	120A	68
68000240	24V	70A	68
68000351	12V	150A	77
68000240	24V	70A	77
68000351	12V	150A	88
68000349	24V	90A	88
68000239	12V	120A	111
68000240	24V	70A	111

### Fuse and Fuse holder

Part Number	Voltage	Fuse	Winch Size
589008	12V	250A	54
589009	12V	325A	58
589009	12V	325A	65
589006	Fuse Holder		



69000345  
Electric Deck  
Switch Open Lid



69000346  
Electric Deck  
Switch Closed Lid



48000170  
Electric Deck Switch S/S  
Lid 'Orange Glow Back  
Lighting'

### Deck Switches

Part Number	Description
69000345	Electric Deck Switch Open Lid
69000346	Electric Deck Switch Closed Lid
69000350*	Electric Deck Switch Open Lid "Lit"
69000373*	Electric Deck Switch S/S Closed Lid
48000170*	Electric Deck Switch S/S Lid "Lit"
45005199*	Delrin Conversion plate (old to new switch)

#### Deck Switch Dimensions

Lid Diameter: 60mm  
 Depth above deck: 22mm  
 Depth below deck: 33mm  
 Hole cutout required: 25mm  
 Fixings: 3 x 4mm on 43mm  
 PCD equi-spaced

\* For a full list of custom order products visit [lewmar.com](http://lewmar.com)





# Electric Winch Conversion Kits

Electric winch deck unit =



(A) Winch

(see table on pages 82-83)

(B) Conversion Kit

## Electric Winch Conversion Kits and Control Options

Part Number	Description	40ST	46ST	48ST	50ST	54ST	58ST	65ST
48040055	40ST Conversion Kit	•						
48046055	46ST Conversion Kit		•					
48048055	48ST Conversion Kit			•				
48050055	50ST Conversion Kit				•			
48054055	54ST Conversion Kit					•		
48058055	58ST Conversion Kit						•	
48065055	65ST Conversion Kit							•

Note: You will also require motor/gearbox, contactor, circuit breaker and switch. Refer to pages 89-92



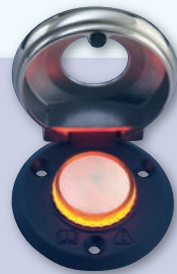


## Fluid engineering from Lewmar

Lewmar's hydraulic powered winches combine the benefits of electric winches with systems integration. This allows the installation of a cost-effective multifunction hydraulic system on boats over 15m (50ft). Enables short-handed sailing through push-button control of winches and other deck functions that can be integrated into the system.

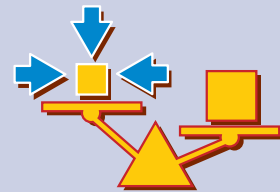
### Features

- Suitable for craft over 15m (50ft)
- Minimal internal space required
- Low weight
- Manual override facility
- Silent operation
- Push button control
- All benefits of Ocean Range
- Available in 6 beautiful finishes
- Powered by Lewmar's Commander hydraulic packs



#### Push-Button Control

Combining Lewmar's push-button operation and Wavespring self-tailer produces simple hands-free sailing no matter what sheeting operation is to be carried out.



#### Minimal space and weight

The hydraulic motor is extremely compact, ensuring minimal internal space used, while being less obtrusive below deck. All achieved without compromising power.



#### Quiet operation

By using hydraulic power the winch operation is performed in near silence, adding to your sailing experience.



#### Manual Override

Manual override can be affected simply and quickly through winch handle insertion.



46HST Two Plus One-Speed Hydraulic Winch



48HST Two Plus One-Speed Hydraulic Winch

## Hydraulic Winch Dimensions

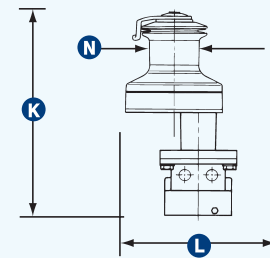
Note: Not all mounting holes are symmetrical on all models. For top dimensions as Electric Winches, see page 88.



50HST Two Plus One-Speed Hydraulic Winch



54HST Two Plus One-Speed Hydraulic Winch



## Hydraulic Winch Specifications

Part No.	Model	Finish	Weight		K		L		N		Line Size		Mounting Instructions
			kg	lb	mm	in	mm	in	mm	in	mm	in	
49046155	46HST	Alloy	15.6	34.4	177.5	7	130	5 1/8	42	1 1/16	8-14	5/16-9/16	5 x M8 (5/16 in) countersunk head screws on 136mm (5 1/2 in) PCD
49046156	46HST	Chrome	18.4	40.6	177.5	7	130	5 1/8	42	1 1/16	8-14	5/16-9/16	
49046158*	46HST	Stainless Steel	18.1	39.8	177.5	7	130	5 1/8	42	1 1/16	8-14	5/16-9/16	
49046159*	46HST	All Chrome	18.9	41.5	177.5	7	130	5 1/8	42	1 1/16	8-14	5/16-9/16	
49046160*	46HST	All Bronze	18.9	41.5	177.5	7	130	5 1/8	42	1 1/16	8-14	5/16-9/16	
49048155	48HST	Alloy	17.2	37.9	177.5	7	130	5 1/8	44.5	1 3/4	8-14	5/16-9/16	5 x M8 (5/16 in) countersunk head screws on 150mm (5 7/8 in) PCD
49048156	48HST	Chrome	21.1	46.4	177.5	7	130	5 1/8	44.5	1 3/4	8-14	5/16-9/16	
49048158*	48HST	Stainless Steel	20.4	45.0	177.5	7	130	5 1/8	44.5	1 3/4	8-14	5/16-9/16	
49048159*	48HST	All Chrome	21.6	47.7	177.5	7	130	5 1/8	44.5	1 3/4	8-14	5/16-9/16	
49048160*	48HST	All Bronze	21.6	47.7	177.5	7	130	5 1/8	44.5	1 3/4	8-14	5/16-9/16	
49050100	50HST	Alloy	19.8	43.5	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	6 x M8 (5/16 in) countersunk head screws on 165mm (6 1/2 in) PCD
49050101	50HST	Chrome	24.7	54.4	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	
49050104*	50HST	Stainless Steel	25.0	55.0	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	
49050103*	50HST	All Chrome	25.3	55.8	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	
49050102*	50HST	All Bronze	25.3	55.8	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	
49054100	54HST	Alloy	20.5	45.1	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	6 x M8 (5/16 in) countersunk head screws on 165mm (6 1/2 in) PCD
49054101	54HST	Chrome	26.4	58.2	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	
49054104*	54HST	Stainless Steel	30.5	67.1	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	
49054103*	54HST	All Chrome	27.0	59.5	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	
49054102*	54HST	All Bronze	27.0	59.5	182.5	7 1/8	130	5 1/8	48.5	1 15/16	8-16	5/16-5/8	

Notes: All models marked with an (\*) [i.e. Stainless Steel, All Chrome and All Bronze Winch Finishes] are made to order.  
Not all holes are symmetrical on all models







58HST Two plus One-Speed Hydraulic Winch



65HST Two plus One-Speed Hydraulic Winch



68HST Two or Three-Speed Hydraulic Winch\*



77HST Two or Three-Speed Hydraulic Winch\*



88HST Two or Three-Speed Hydraulic Winch



111HST Two or Three-Speed Hydraulic Winch



122HST Two-Speed plus Backwind Hydraulic Winch



125HST Two-Speed Plus Backwind Hydraulic Winch  
*(Shown with optional custom full stainless self-tailing)*



150HST Two-Speed Plus Backwind Hydraulic Winch

\* Alloy base versions shown (Chrome and Stainless Steel available).



# Hydraulic Winch Specifications

Part No.	Model	Finish	Weight		K		L		N		Line Size		Mounting Instructions
			kg	lb	mm	in	mm	in	mm	in	mm	in	
<b>49058100</b>	58HST	Alloy	22.8	50.1	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	5 x M10 (3/8 in) countersunk head screws on 184mm (7 1/4 in) PCD
<b>49058101</b>	58HST	Chrome	30.3	66.6	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	
<b>49058104*</b>	58HST	Stainless Steel	28.5	62.7	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	
<b>49058103*</b>	58HST	All Chrome	31.1	73.0	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	
<b>49058102*</b>	58HST	All Bronze	31.1	73.0	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	
<b>49065100</b>	65HST	Alloy	25.1	55.2	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	5 x M10 (3/8 in) countersunk head screws on 184mm (7 1/4 in) PCD
<b>49065101</b>	65HST	Chrome	32.3	71.0	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	
<b>49065104*</b>	65HST	Stainless Steel	31.8	69.9	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	
<b>49065103*</b>	65HST	All Chrome	31.1	73.0	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	
<b>49065102*</b>	65HST	All Bronze	31.1	73.0	207	8 1/8	130	5 1/8	52.9	2 1/8	8-18	5/16-1 1/16	
<b>49068100</b>	68HST	Alloy	28.5	62.7	190	7 1/2	163	6 1/16			10-20	3/8-3/4	6 x M10 (3/8 in) countersunk head screws on 220mm (8 3/4 in) PCD
<b>49068101</b>	68HST	Chrome	35.3	77.6	190	7 1/2	163	6 1/16			10-20	3/8-3/4	
<b>49068104*</b>	68HST	Stainless Steel	34.0	74.8	190	7 1/2	163	6 1/16			10-20	3/8-3/4	
<b>49068103*</b>	68HST	All Chrome	36.2	79.5	190	7 1/2	163	6 1/16			10-20	3/8-3/4	
<b>49068102*</b>	68HST	All Bronze	36.2	79.5	190	7 1/2	163	6 1/16			10-20	3/8-3/4	
<b>49068105</b>	68/3HST	Alloy	34.5	75.9	200	7 7/8	130	5 1/8			10-20	3/8-3/4	6 x M10 (3/8 in) countersunk head screws on 241mm (9 1/2 in) PCD
<b>49068106</b>	68/3HST	Chrome	41.3	90.1	200	7 7/8	130	5 1/8			10-20	3/8-3/4	
<b>49068109*</b>	68/3HST	Stainless Steel	40.0	88.0	200	7 7/8	130	5 1/8			10-20	3/8-3/4	
<b>49068108*</b>	68/3HST	All Chrome	42.2	92.8	200	7 7/8	130	5 1/8			10-20	3/8-3/4	
<b>49077100</b>	77HST	Alloy	35.8	78.8	200	7 7/8	130	5 1/8			12-22	1/2-7/8	
<b>49077101</b>	77HST	Chrome	41.8	92.0	200	7 7/8	130	5 1/8			12-22	1/2-7/8	
<b>49077104*</b>	77HST	Stainless Steel	40.5	89.0	200	7 7/8	130	5 1/8			12-22	1/2-7/8	
<b>49077103*</b>	77HST	All Chrome	48.8	107.4	200	7 7/8	130	5 1/8			12-22	1/2-7/8	
<b>49077105</b>	77/3HST	Alloy	36.8	80.9	200	7 7/8	130	5 1/8			12-22	1/2-7/8	6 x M10 (3/8 in) countersunk head screws on 241mm (9 1/2 in) PCD
<b>49077106</b>	77/3HST	Chrome	42.8	94.1	200	7 7/8	130	5 1/8			12-22	1/2-7/8	
<b>49077109*</b>	77/3HST	Stainless Steel	42.0	92.4	200	7 7/8	130	5 1/8			12-22	1/2-7/8	
<b>49077108*</b>	77/3HST	All Chrome	49.8	109.56	200	7 7/8	130	5 1/8			12-22	1/2-7/8	
<b>49088104</b>	88HST	Stainless Steel	54.0	118.8	212	8 9/16	132	5 1/16			12-25	1/2-1	8 x M10 (3/8 in) countersunk head screws on 270mm (10 5/8 in) PCD
<b>49088109</b>	88/3HST	Stainless Steel	55.0	121.0	212	8 9/16	132	5 1/16			12-25	1/2-1	
<b>49111104</b>	111HST	Stainless Steel	68.5	150.7	250	9 13/16	132	5 1/16			16-38	5/8-1 1/2	6 x M12 (1/2 in) countersunk head screws on 340mm (13 3/8 in) PCD
<b>49111109</b>	111/3HST	Stainless Steel	69.5	152.9	250	9 13/16	132	5 1/16			16-38	5/8-1 1/2	
<b>49122104</b>	122HST	Stainless Steel	202.0	444.0	195	7 5/8					16-38	5/8-1 1/2	9 x M16 (5/8 in) hex head screws on 485mm (19 in) PCD
<b>40005275</b>	125HST	Stainless Steel	243.0	534.6	355	14	240	9 1/2			16-38	5/8-1 1/2	6 x M10 (3/8 in) screws on 460mm (18 1/8 in) PCD
<b>40004751</b>	150HST	Stainless Steel	333.0	732.6	352	13 7/8	240	9 1/2			16-38	5/8-1 1/2	6 x M10 (3/8 in) screws on 540mm (21 1/4 in) PCD

Notes: All models marked with an (\*) [i.e. Stainless Steel, All Chrome and All Bronze Winch Finishes] are made to order. Not all holes are symmetrical on all models.



# Easiest winch to service in the world.

## Frequency of servicing

Lewmar winches must be serviced regularly. Winches are required to carry deceptively high loads. Regular servicing, with attention to correct assembly and condition of parts, is vital to the safety and performance of your boat.

## When

1. Two or three times during active sailing season:

Winches should be stripped, cleaned and re-lubricated.

2. At the end of each sailing season and before starting the new sailing season:

All Lewmar winches should be completely stripped, cleaned, thoroughly checked for damage and lubricated. (See Lewmar Volume 11 Winch Service Manual available at [www.lewmar.com](http://www.lewmar.com)).

## External cleaning of the drum.

**Chromed Winches** – Wash drum regularly with fresh water and dry with a cloth. Non-abrasive liquid chrome cleaner can be used occasionally to remove dirt spots.

**Alloy Winches** – Wash drum regularly with fresh water and dry with a cloth. DO NOT use polishes or abrasives.

**Stainless Steel Winches** – Wash drum regularly with fresh water and dry with a cloth. Non-abrasive liquid chrome cleaner can be used occasionally to remove dirt spots.

## Servicing Winches

All components should be removed and cleaned with a degreaser during the course of servicing. If you do not have access to a degreaser, use half of an old plastic container with an old toothbrush. Cotton cloth soaked in paraffin or white spirit will also suffice.

## Caution

Some Lewmar winches contain plastic components that may be damaged by inappropriate cleaning agents. Always check the manufacturer's directions before using any cleaning agents.

## Greasing

Never use grease to lubricate your pawls, as this can lead to pawls sticking in their pockets and disabling the winch. Instead, lubricate with a light engine oil.

Use only a light smear of winch grease when lubricating ratchet tracks, gear teeth and bearings. Otherwise excess grease will be forced out and collect in potentially dangerous areas, such as pawl pockets.

## Assembly

Winches must be reassembled in the reverse sequence to the order of dismantling. After reassembly, immediately check to see if the winch functions correctly.

## Mounting

Winches must be fitted in the manner laid out in leaflet B2189 (supplied with every winch and downloadable from [www.lewmar.com](http://www.lewmar.com)). Winches are self-draining, and care should be taken to ensure the drain holes are not obstructed.

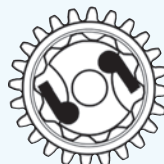
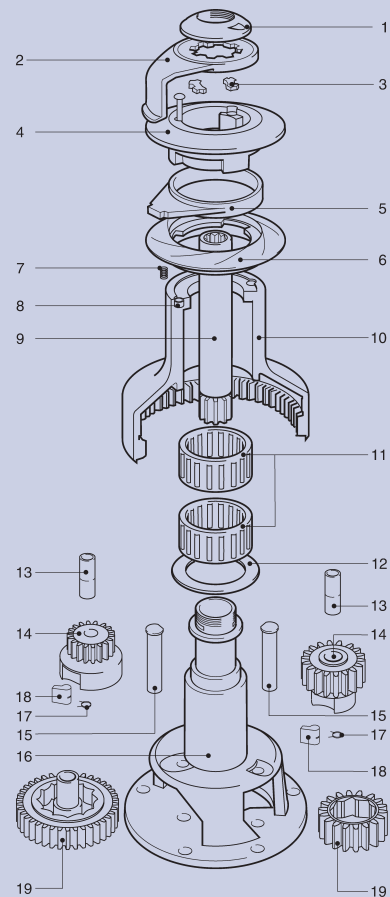
## Ratchet Gears – Pawl Engagement

When assembling ratchet gears, check pawl engagement as shown to the right. Incorrect assembly will lead to back winding of the winch. This is very dangerous, so extreme care should be taken.

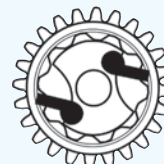


## Know your winch.

1. Top Cap
2. Feeder Arm
3. Collet
4. Upper Crown
5. Stripper Ring
6. Lower Crown
7. Spring
8. Spring Cup
9. Main Spindle
10. Drum
11. Roller Bearing Assembly
12. Drum Washer
13. Gear Spindle Sleeve
14. Pawl Gear
15. Gear Spindle
16. Center Stem
17. Pawl Spring
18. Pawl
19. Ratchet Gear



✓ Correct



✗ Wrong



# Winch Maintenance

Lewmar provides a maintenance kit for every winch in their range.

For a complete list of spares available for your winch, please visit the spares section of [lewmar.com](http://lewmar.com).



**19700100**  
Spares Kit 5-44



**19700200**  
Spares Kit 14ST-66ST



**19700300**  
Spares Kit 44-66PB



**19700401**  
STD Large Pawls & Springs 50-65



**19700501**  
STD Small Pawls & Springs 5-48 & 66



**19701000**  
Grease – 100g



**19701500**  
Winch Maintenance Pack



**19701100**  
Grease – 300g



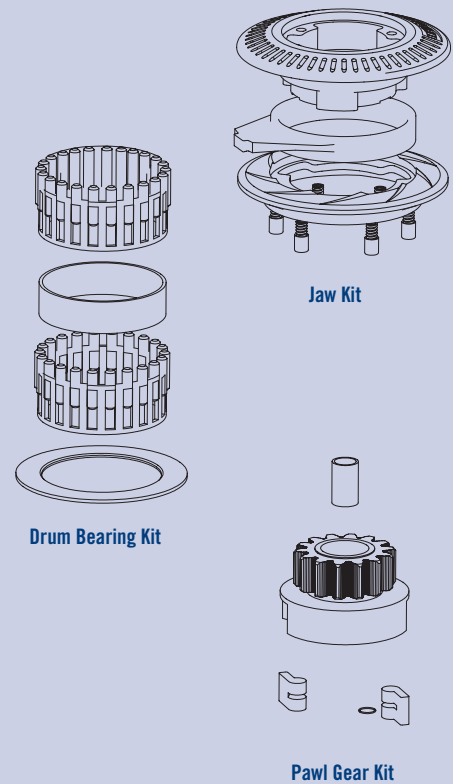
**19701600**  
RaceLube – 55ml

Part Number	Description
19700100	Basic Kit – 4 Circlips, 4 Pawls, 4 Pawl Springs
19700200	Winch Servicing Kit – 4 Circlips, 8 Pawls, 12 Pawl Springs, 3 keys, 2 pan head screws (Self-tailers)
19700300	Three-speed Winch Servicing Kit
19700401	Standard Large Pawls & Springs (50-65) 6 Pawls, 12 Pawl Springs
19700501	Standard Small Pawls & Springs (5-48/66) 6 Pawls, 12 Pawl Springs
19701000	GearGrease – 100g Tube, waterproof grease for many applications
19701100	GearGrease – 300g Tub
19701600	RaceLube – 55mL, for applications where grease is not advised
19701500	Winch Maintenance Packs – 100g GearGrease, 55mL RaceLube, Brush, “How to” Booklet, 10 Pawl Springs

Servicing manuals are also available for all Lewmar winches. All manuals are available at [lewmar.com](http://lewmar.com)

## Winch Spares Kit

Available from top Cap to Pawl gear kit. Contact your local Lewmar supplier or go to [www.lewmar.com/onlinestore](http://www.lewmar.com/onlinestore)



# Compact and Powerful Captive Winch Line Management Systems

LMS CW Winches are ideal for main and mizzen halyards, genoas and staysail sheets, mainsheet or runner applications.

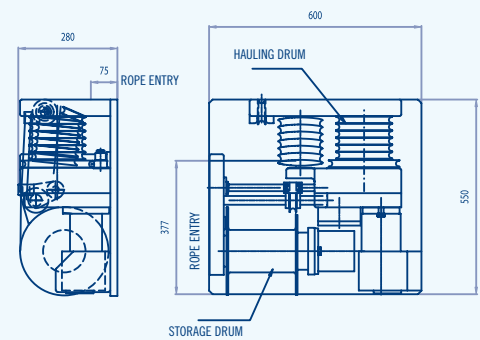
Offering safe remote controlled line handling and storage for yachts in the 24m (80ft) to 91m (300ft) range.

## Features

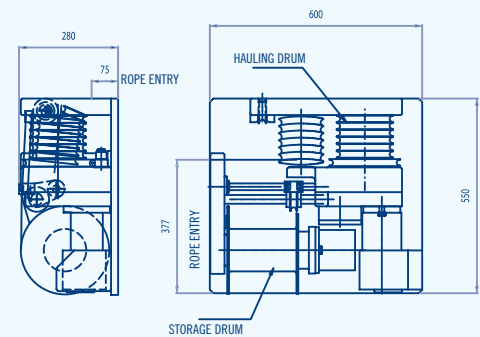
- Up to 25% lighter than previous models
- Compact size
- One or two-speed options
- Good combination of line speed and power
- Eliminates long lead entry angles
- Automatic two-speed hauling system
- Kind to ropes — no chafing or fretting
- Line stowing system ensures low line tension and good line lay
- Can be used with proportional or non-proportional hydraulic control systems
- Emergency high load release feature
- Self sustaining — No load 'drop back' when the brakes are applied
- Separate hauling and stowing drums allow more rope storage for a given size

A separate hauling drum eliminates the need for long lead entries while storing the rope to the separate storage drum, allowing the rope to be stored neatly at low tension, this prevents both damage to the rope and the possibility of riding turns.

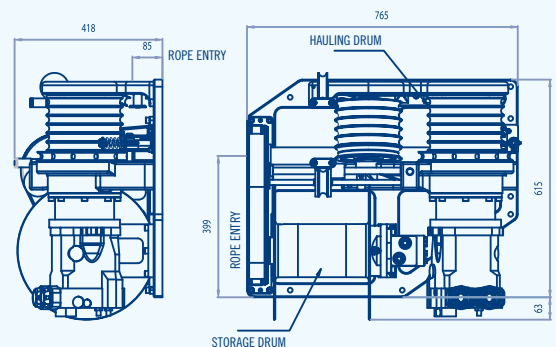
CW 2500



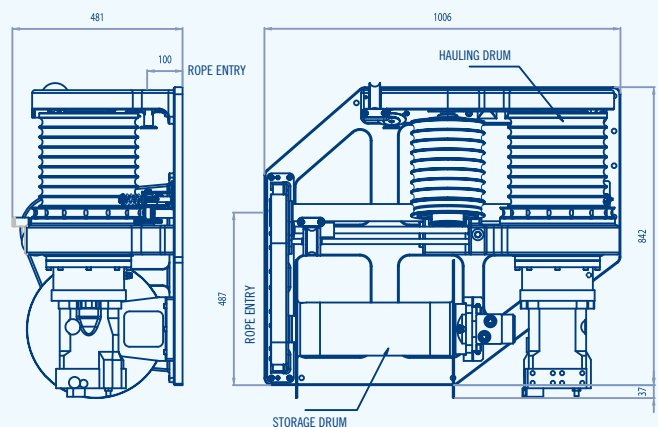
CW 3500



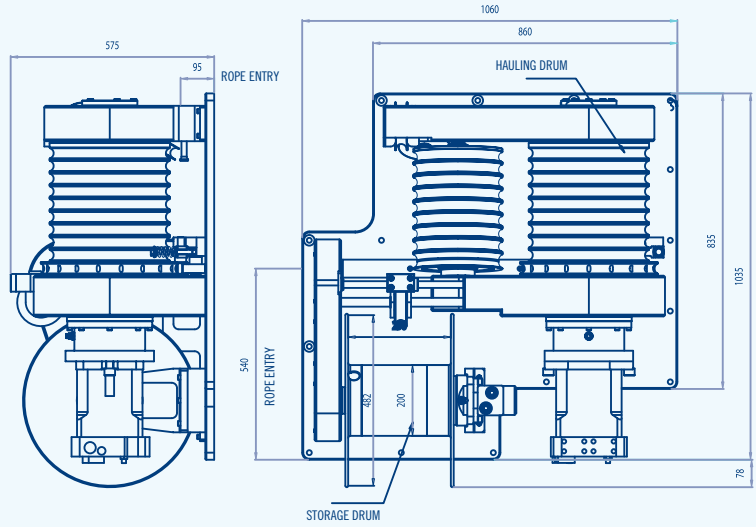
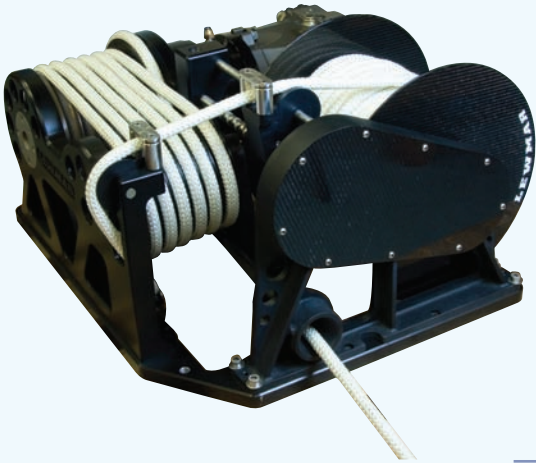
CW 6000



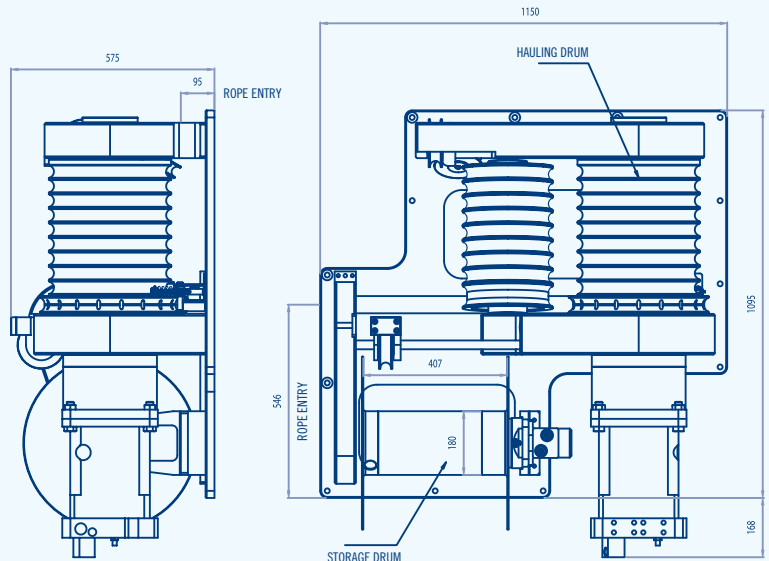
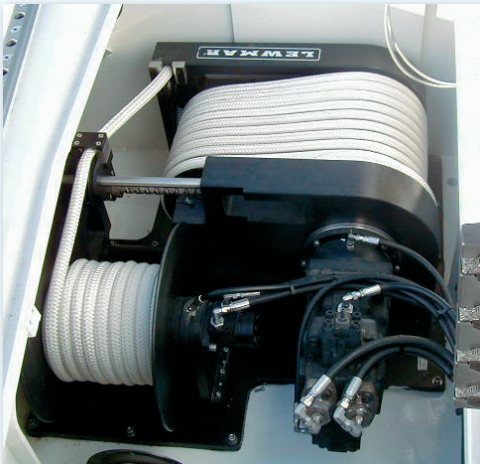
CW 9000



### CW 12000



### CW 18000



## CW LMS RANGE

	CW2500	CW3500	CW6000	CW9000	CW12000	CW18000
<b>Max Line Pull (kg)</b>	2500	3500	6000	9000	12000	18000
<b>Max Line Speed in each gear (m/min)</b>	28	31/15	55/10	40/8	40/8	30/6
<b>Flow Rate at max speed (l/min)</b>	60	55	45	55	60	70
<b>Line diameter size range (mm)</b>	12-16	12-16	14-22	22-28	26-30	30-38
	12mm=38	12mm=38	14mm=110	20mm=100	26mm=65	30mm=65
	14mm=29	14mm=29	16mm=90	22mm=85	28mm=55	32mm=55
<b>Line Storage (m)</b>	16mm=27	16mm=27	18mm=75	24mm=65	30mm=50	34mm=50
	-	-	20mm=60	26mm=60	32mm=40	36mm=45
	-	-	22mm=50	28mm=50	-	-
<b>Max working pressure (bar)</b>	160	150	235	200	225	220
<b>Weight (kg)</b>	115	115	150	285	480	590





# Lewmar racing winches – designed to win

Lewmar Racing Winches have evolved using our depth of experience combined with cutting edge technology to keep ahead of our competitors.

Our latest range of Grand Prix winches uses a combination of Carbon, Aluminum and Titanium for the ultimate weight saving while maximizing strength and reliability. Lewmar's in-house research and development programs include extensive fatigue and efficiency testing to ensure there is no compromise in strength or performance.



**Light, fast and strong.**

Lightweight and strong, Lewmar's racing winches offer the serious racer outstanding performance and power using the best features of our standard range combined with the technology used on America's Cup, Volvo 70's, Vendée Globe, Jules Verne and more. Our Carbon Power models offer the best power-to-weight ratio available.

## RACING WINCH FEATURES

- A** Screw on Top Cap
- B** Wire Feeder Arm
- C** Wavespring Self-Tailer
- D** Needle Peen Alloy Drum  
*Extensive use of high-grade alloy to achieve ultimate lightweight construction.*
- E** Drive Spindle  
*Machined from solid for ultimate strength. Center bored to give maximum weight saving.*
- F** Center Stem  
*Lightweight heat-treated alloy center stem for high strength and low weight.*
- G** Torlon Roller Bearings  
*Maximum width bearing stack for ultimate efficiency under load.*
- H** Gear Spindle  
*All gear spindles supported by low-friction bearings.*
- I** Pawls  
*High-strength heat-treated super pawls for race durability.*



## Simple Servicing

No tools are required to service a Lewmar winch. Simply unscrew the top cap with your fingers to remove the needle peen drum and gain access to the center stem.



## Speed, Power and Racing Gear Ratios

Racing winches require a combination of speed and power gear trains, which are customized to suit the demands of the world's top racers. Lewmar offers a wide range of models and ratios developed after many years of experience within a wide range of classes. Whether you're Grand Prix racing, or blasting through the Southern Ocean, Lewmar has the complete range of racing models to suit your needs.



## Needle Peen Drum

The Racing Winch's drum profile is optimized for maximum grip and minimum rope wear, while using heat-treated alloy ensures optimum strength and lightweight construction.



## Speed Ring

The Speed Ring offers faster line speeds and greater flexibility with its contoured drum profile. It allows a dual purpose winch, for example, in cabin top applications, giving fast speed for spinnaker trim, as well as efficient power for halyard tension. It is available in four sizes. The profile also allows for transfer of sheets from Speed Ring to the power drum.



## The Self-Tailing Solution

Reducing diameters of high-tech racing lines requires self-tailing jaws that really grip. Lewmar's 'Wavespring' solution — a sprung jaw combined with a wavegrip pattern — ensures these lines are fully under control. The use of angled teeth ensures a clean exit for the line at the stripper arm.



## Features

- Weight saving
- Superior strength
- Developed through extensive research and development
- Speed and Power ratios for Ultimate Flexibility
- Wavespring Self-Tailer
- Extensive range of Styles Available – Self-Tailing, Cleat-Top Sheave base combinations
- Easy to service
- Needle Peen Drum



## Carbon Pedestal

Careful composite engineering has provided the lightest pedestal yet. Manufactured using the latest resin systems pioneered in the F1 industry.



# Racing Winch Selection Guide

Since the introduction of our racing winch series, we can offer far more opportunity to select the correct winch to suit the application for the racing sailor. The models related to yacht size and sail area are shown in the chart below. For boats under 10.1m (30ft) use the Winch selection guide. (see pages 78-79) See following pages for exact specifications and options. Remember that some winch selections are dependent on the number of purchases used in the overall system. Remember, this chart is for general guidance. Many loads can be higher due to factors like ballast, etc. Dynamic shock loading will also increase loads dramatically. Remember, extra care should be taken on multihulls due to higher righting movements. If in doubt, please feel free to consult your Lewmar office for further guidance.



## Racing Winch Selection Guide

Application	Size	Boat Length Overall												
		m	8.8	10.1	10.7	11.3	11.9	12.5	14.6	16.8	18.9	21.6	24.4	25+
	ft	29	33	35	37	39	41	48	55	62	71	80	80+	
Genoa Sheet	40													
	44													
	44/3													
	48/3													
	50/3													
	60/3													
	77/3													
	95													
	105													
	115													
120														
Spinnaker Sheet	40													
	44													
	48													
	50													
	58													
	68													
	77													
	105													
120														
Main Sheet	40													
	48													
	54													
	62													
	77													
	95													
115														
Genoa Halyard	40													
	44													
	48													
	50													
	54													
	62													
	68													
77														
Spinnaker Halyard	40													
	44													
	48													
	50													
	54													
	62													
	68													
77														

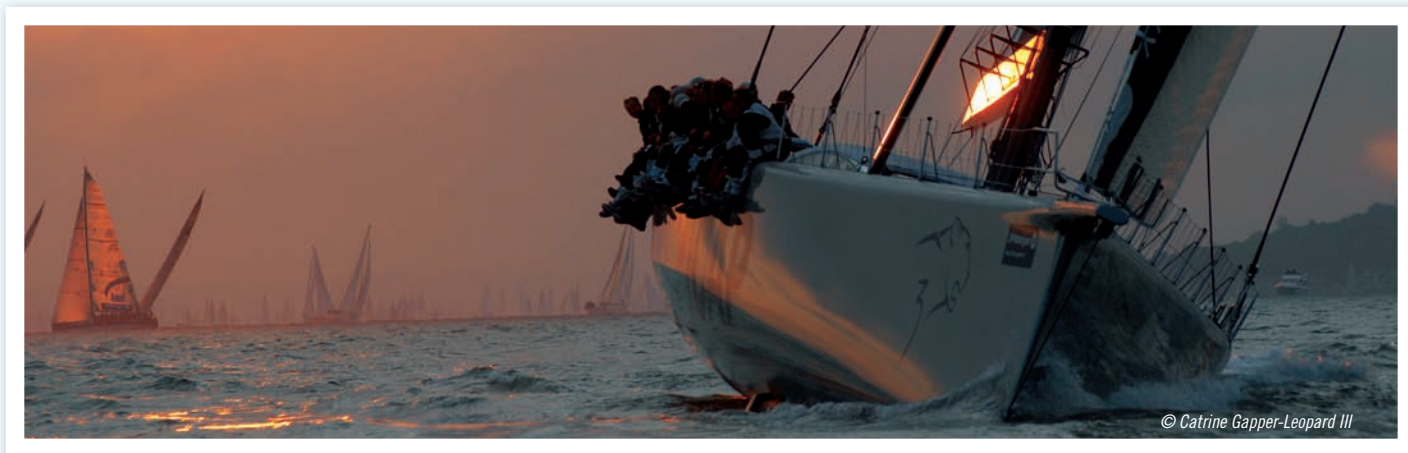


# Sail Area

Application	m ft	Boat Length Overall													
		6.1-7.6 20-25	7.6-8.8 25-29	8.8-10.1 29-33	10.1-10.7 33-35	10.7-11.3 35-37	11.3-11.9 37-39	11.9-12.5 39-41	12.5-14.6 41-48	14.6-16.8 48-55	16.8-18.9 55-62	18.9-21.6 62-71	21.6-24.3 71-80		
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	2700 251			
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	5400 502			
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	1200 111			

# Racing Winch Selection Guide

Application	Size	Boat Length Overall												
		m ft	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+
Main Halyard	40													
	44													
	48													
	54													
	58													
	68													
	77													
Staysail Halyard	40													
	44													
	48													
	50													
	58													
	68													
	77													
Spin Pole Topping Lift	40													
	44													
	48													
	54													
	62													
Spin Pole Foreguy	40													
	44													
	48													
	50													
	58													
	68													
Cunningham/Reef	40													
	44													
	48													
	54													
	62													
Boom Vang	40													
	HYD													
Runners	40													
	44													
	48													
	54													
	58													
	62													
	68													
77														



© Catrine Gapper-Leopard III

## Grand Prix 2-Speed Winch



50 GPST



50 GPST SB



68 ACSTR

## Grand Prix 3 and 4-Speed Winch



60 3GPST



68 3ACSTR



82 3GPST



99 3GPST



95 GP



105 4GPSB



115 3GPST



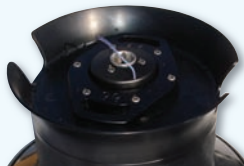
120 4GPST

## Winch Option

All 3-speed Grand Prix winches available in the following models:



Self Tailing



Cleat Top



Sheave Base

# Racing Winch Specifications

Part Number	Model	Finish	Gear Ratio				Power Ratio				Weight		D		B		H		L		Line Size	Mounting Instructions
			1st	2nd	3rd	4th	1st	2nd	3rd	4th	kg	lb	mm	in	mm	in	mm	in	mm	in		
49050120	50GPST	Carbon	3.4:1	11.3:1	-	-	15.2:1	50:1	-	-	4.7	10.3	115	4 1/2	188	7 3/8	168	6 5/8	62	2 1/2	8 - 14 5/16 - 9/16	5 X M8 (5/16) c'sk head screws on 170mm (6 3/8 in) PCD
49050130	50GPST SR	Carbon	3.4:1	11.3:1	-	-	15.2:1	50:1	-	-	5.1	11.2	115	4 1/2	217	8 1/2	168	6 5/8	62	2 1/2	8 - 14 5/16 - 9/16	5 X M8 (5/16) c'sk head screws on 170mm (6 3/8 in) PCD
49060000	60/3GPST	Carbon	1:1	4.3:1	15.4:1		3.9:1	16.8:1	160:2:1		7.8	17.2	130	5 1/8	214	8 1/2	186	7 3/8	67	2 5/8	8 - 14 5/16 - 9/16	6 X M8 (5/16) c'sk head screws on 195mm (7 3/8 in) PCD
49060009	60/3GP SB	Carbon	1:1	4.3:1	15.4:1		3.9:1	16.8:1	160:2:1		8.2	18.0	130	5 1/8	236	9 5/16	186	7 3/8	67	2 5/8	8 - 14 5/16 - 9/16	6 X M8 (5/16) c'sk head screws on 195mm (7 3/8 in) PCD
49068001	68ACSTR	Carbon	3.5	19.2:1	-	-	12:1	67:1	-	-	9.5	20.9	150	5 7/8	250	9 13/16	213	8 3/8	99	3 7/8	8-14 5/16-9/16	6 X M10 (3/4) c'sk head screws on 200mm (7 7/8 in) PCD
49068002	68/3ACSTR	Carbon	1:1	3.4:1	19.2:1	-	3.5:1	12:1	67:1	-	10.6	23.3	146	5 3/4	250	9 13/16	227	8 15/16	97	3 7/8	8-14 5/16-9/16	6 X M10 (3/4) c'sk head screws on 200mm (7 7/8 in) PCD
49068021	68/3GP SB	Carbon	1:1	3.5:1	19.3:1		3.5:1	12:1	67:1		10.5	23.1	146	5 3/4	275	10 13/16	227	8 15/16	95	3 3/4	8 - 14 5/16 - 9/16	6 X M10 (3/4) c'sk head screws on 200mm (7 7/8 in) PCD
49082000	82GPST	Carbon	1:1	8.5:1	29:1	-	2.5:1	24:1	82:1	-	14.7	32.4	182	7 1/6	290	11 7/16	215	8 7/16	79.5	3 1/8	12-16 1/2 - 5/8	8 X M10 (3/4) c'sk head screws on 266mm (10 1/2 in) PCD
49099000	99/3GPST	Carbon	1:1	9.4:1	40.9:1		2.5:1	23:1	101:1		17.5	38.5	204	8	320	12 5/8	234	9 1/4	90	3 1/2	10 - 16 3/8 - 5/8	8 X M10 (3/4) c'sk head screws on 296mm (11 3/8 in) PCD
49099009	99/3GP SB	Carbon	1:1	9.4:1	40.9:1		2.5:1	23:1	101:1		19.2	42.2	204	8	328	12 15/16	234	9 1/4	92	3 9/16	12-16 1/2 - 5/8	8 X M10 (3/4) c'sk head screws on 281mm (11 1/8 in) PCD
49095001	95/4GPST	Carbon	1:1	3.8:1	8:1	40:1	2:1	7.6:1	16:1	80:1	20.5	45.1	254	10	370	14 5/8	225	8 7/8	98	3 7/8	10 - 16 3/8 - 5/8	6 X M12 (1/2) c'sk head screws on 288mm (11 3/8 in) PCD
49095004	95/4GPST SB	Carbon	1:1	3.8:1	8:1	40:1	2:1	7.6:1	16:1	80:1	21.8	48.0	254	10	370	14 5/8	225	8 7/8	98	3 7/8	10 - 16 3/8 - 5/8	6 X M12 (1/2) c'sk head screws on 288mm (11 3/8 in) PCD
40005066	105/3STR	Carbon	1:1	8.3:1	39.6:1	-	1.6:1	13.6:1	64.8:1	-	18.5	40.7	280	11	360	14 9/32	225	8 7/8	93.7	3 11/16	8-14 5/16-9/16	6 X M12 (1/2 in) c'sk head screws on 288mm (11 3/8 in) PCD
49105002	105/4GPST	Carbon	1:1	3.8:1	8:1	40:1	1.8:1	6.9:1	14.5:1	72.6:1	21.6	47.5	280	11	370	14 5/8	237	9 3/8	90	3 1/2	10 - 16 3/8 - 5/8	6 X M12 (1/2) c'sk head screws on 288mm (11 3/8 in) PCD
49105006	105/4GP SB	Carbon	1:1	3.8:1	8:1	40:1	1.8:1	6.9:1	14.5:1	72.6:1	23.4	51.5	280	11	370	14 5/8	220	8 5/8	90	3 1/2	10-16 3/8-5/8	6 X M12 (1/2) c'sk head screws on 288mm (11 3/8 in) PCD
49115000	115/4ACSTR	Carbon	1:1	8:1	45.2:1	-	1.8:1	14.8:1	82.2:1	-	39.3	86.5	282	11 1/8	432	17	327	12 7/8	152	5 5/16	12-18 1/2-3/4	10 x M12 (1/2 in) c'sk head screws on 365mm (14 3/8 in) PCD
49120001	120/4ACSTR	Carbon	1:1	3.6:1	8:1	45.2:1	1.7:1	6:1	13.5:1	75.3:1	47.3	104.1	305	12	450	17 3/4	312	12 1/4	143	5 5/8	14-20 9/16-3/4	10 x M12 (1/2 in) c'sk head screws on 365mm (14 3/8 in) PCD

## Carbon Fiber Grand Prix Winches

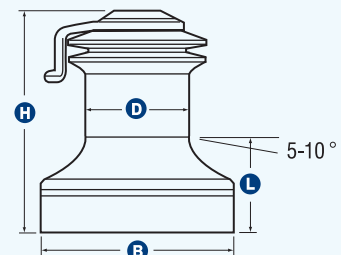
**What's inside makes all the difference.** Inside each Lewmar Carbon Fiber Winch, you'll find materials developed for the aerospace industry, precision CNC machined for maximum efficiency, durability and strength-to-weight ratio. Once the winch is assembled, we use an aggressive in-house testing program to ensure maximum performance on the world's toughest racecourses.

And we've taken our latest line of Grand Prix Winches to the next level, with proven performance on GP42s, Class 40s, Open 60s, Volvo 70s, Maxi Tri's and 100ft Super Maxi's.

## Features

- 8 Brand new Alloy and Carbon Grand Prix winches for 2008/2009 Season
- Developed in conjunction with some of the top racing classes including GP42, Class 40, TP52, Open 60, Volvo 70, IACC, 100ft Supermaxi + offshore Maxi-Multihulls
- Range available in 2, 3 or with Lewmar's Patented Integral four-speed system available on larger winch models
- Self-Tailing, Cleat top
- Top or Bottom Pedestal Drive or Electric / hydraulic options available

## Racing Winch Dimensions



*Note: Not all mounting holes are symmetrical on all models.*



*Sodebo 105ft Maxi*



## Racing Winch 2-Speed Self Tailing

All Racing Winches are available in grey or black finish



Size 40, 44



Size 48, 50, 54



Size 58, 62



## Racing Winch 3-Speed Primary

All Racing Winches are available in grey or black finish



Size 44, 48



Size 50



Size 60



Size 77-3



Size 88-3



Size 111-3 or 4-Speed



Self Tailing



Top Cleat

# Racing Winch Specifications

Part Number	Model	Finish	Gear Ratio				Power Ratio				Weight		Drum Dia <sup>D</sup>		Base Dia <sup>B</sup>		Height <sup>H</sup>		Line Entry <sup>L</sup>		Line Size		Mounting Instructions
			1st	2nd	3rd	4th	1st	2nd	3rd	4th	kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	
49040040	40STR	Alloy	1.9:1	5.8:1			13.2:1	40.2:1			3.4	7.5	74	2 13/16	148	5 13/16	173	6 13/16	80	3 3/8	8-12	5/16-1/2	5 x M6 (1/4 in) c'sk head screws on 121mm (4 3/4 in) PCD
49044040	44STR	Alloy	2.4:1	7.6:1			13.9:1	44.8:1			4.9	10.8	87	3 3/16	168	6 5/8	192	7 5/8	84	3 3/16	8-14	5/16-9/16	5 x M8 (5/16 in) c'sk head screws on 136mm (5 1/2 in) PCD
49044014	44/3R	Alloy	1:1	3:1	8.7:1		5.1:1	15.2:1	44:1		5.5	12.1	100	3 11/16	184	7 1/4	169	6 5/8	83	3 3/4	8-14	5/16-9/16	5 x M8 (5/16 in) c'sk head screws on 150mm (5 7/8 in) PCD
49048040	48STR	Alloy	2.6:1	9:1			13.9:1	48.6:1			5.9	13.0	93	3 11/16	181	7 1/8	208	8 3/16	86	3 3/8	8-14	5/16-9/16	5 x M8 (5/16 in) c'sk head screws on 150mm (5 7/8 in) PCD
49048014	48/3R	Alloy	1:1	3.6:1	10.6:1		4.5:1	16.3:1	48:1		6.8	14.9	112	4 7/16	207	8 1/8	196	7 3/4	102	4	8-14	5/16-9/16	6 x M8 (5/16 in) c'sk head screws on 165mm (6 1/2 in) PCD
49050040	50STR	Alloy	2.8:1	10.5:1			13.8:1	50.6:1			7.8	17.2	105	4 1/8	200	7 7/8	238	9 3/8	106	4 3/16	8-16	5/16-5/8	6 x M8 (5/16 in) c'sk head screws on 165mm (6 1/2 in) PCD
49050014	50/3R	Alloy	1:1	5.4:1	12.8:1		3.1:1	20.9:1	49.9:1		8.4	18.5	130	5 1/8	225	8 7/8	223	8 3/4	120	4 3/4	8-16	5/16-5/8	5 x M8 (5/16 in) c'sk head screws on 193mm (7 5/8 in) PCD
49054040	54STR	Alloy	2.8:1	11.2:1	-	-	13.8:1	54:1	-	-	8.3	18.3	105	4 1/8	205	8 1/16	250	9 13/16	115	4 1/2	8-16	5/16-5/8	6 x M8 (5/16 in) c'sk head screws on 165mm (6 1/2 in) PCD
49058040	58STR	Alloy	3.1:1	13.5:1	-	-	13.5:1	58.1:1	-	-	10.2	22.4	118	4 5/8	228	9	266	10 1/2	118.5	4 11/16	8-18	5/16-1 1/16	5 x M10 (3/8 in) c'sk head screws on 184mm (7 1/4 in) PCD
49060014	60/3R	Alloy	1:1	5.4:1	19:1	-	3.1:1	16.7:1	59.4:1	-	13.6	29.9	162	6 3/8	238	9 3/8	315	12 3/8	164	6 7/16	8-18	5/16-1 1/16	6 x M10 (3/8 in) c'sk head screws on 200mm (7 7/8 in) PCD
49062040	62STR	Alloy	3.1:1	14.5:1	-	-	13.5:1	62.6:1	-	-	10.8	23.8	118	4 5/8	231	9 5/8	271	10 11/16	121.5	4 3/4	8-18	5/16-1 1/16	5 x M10 (3/8 in) c'sk head screws on 184mm (7 1/4 in) PCD
49077035	77/3STR	Alloy	2.8:1	8:1	27:1	-	7.9:1	23:1	77:1	-	22.3	49.1	178	7	294	11 15/16	348	13 11/16	174	6 7/8	12-22	1/2-7/8	8 x M10 (3/8 in) c'sk head screws on 226mm (8 7/8 in) PCD
4000899	88/3STR	Alloy	3.8:1	8:1	40:1	-	8.4:1	17.8:1	89:1	-	24.7	54.5	228	9	324	12 3/4	333	13 1/8	151	5 15/16	12-25	1/2-1	6 x M12 (1/2 in) c'sk head screws on 288mm (11 3/8 in) PCD
4000900	111/3STR	Alloy	3.6:1	8:1	45.2:1	-	6.5:1	14.6:1	82.2:1	-	29.8	65.7	280	11	404	15 15/16	367	14 7/16	163	6 7/16	12-25	1/2-1	8 x M12 (1/2 in) c'sk head screws on 340mm (13 3/8 in) PCD
4000901	111/4R	Alloy	1:1	3.6:1	8:1	45.2:1	1.8:1	6.5:1	14.6:1	89.2:1	29.1	64.2	280	11	404	15 15/16	317	12 1/2	163	6 7/16	12-25	1/2-1	8 x M12 (1/2 in) c'sk head screws on 340mm (13 3/8 in) PCD

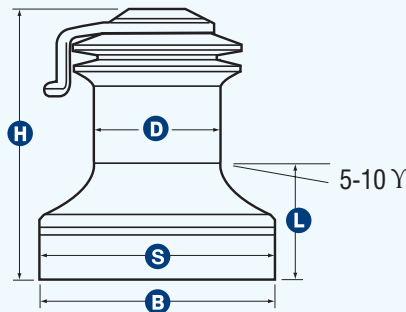
Note: All Racing winches are available in grey or black finish  
Part No above for Grey finish only



## Racing Winch Dimensions



48STR SR Speed Ring Winch



Note: Not all mounting holes are symmetrical on all models.

## Expert Advice

When installing a winch, Lewmar recommends the winch be mounted on a level 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.

# Speed Ring Racing Winch Specifications

Part Number	Model	Finish	Gear Ratio				Power Ratio				Weight		Drum Dia <sup>D</sup>		Speed Ring Dia <sup>S</sup>		Base Dia <sup>B</sup>		Height <sup>H</sup>		Line Entry <sup>L</sup>		Line Size		Mounting Instructions
			1st	2nd	1st	2nd	1st	2nd	1st	2nd	kg	lb	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	
40002741	40STR SR	Alloy	1.9:1	5.8:1	6.6:1	20.3:1	13.2:1	40.2:1			3.8	8.4	74	2 13/16	145.5	5 3/4	175	6 7/8	173	6 13/16	80	3 3/8	8-12	5/16-1/2	5 x M6 (1/4 in) c'sk head screws on 121mm (4 3/4 in) PCD
40002729	44STR SR	Alloy	2.4:1	7.6:1	7:1	22.6:1	13.9:1	44.8:1			5.4	11.9	87	3 3/16	170.5	6 3/4	205	8 1/16	192	7 5/8	84	3 3/16	8-14	5/16-9/16	5 x M8 (5/16 in) c'sk head screws on 136mm (5 1/2 in) PCD
40002731	48STR SR	Alloy	2.6:1	9:1	7.2:1	24.8:1	13.9:1	48.6:1			6.5	14.3	93	3 11/16	184	7 1/4	221	8 7/16	208	8 3/16	86	3 3/8	8-14	5/16-9/16	5 x M8 (5/16 in) c'sk head screws on 150mm (5 7/8 in) PCD

# Pedestal Systems

Lewmar has been the market leader in pedestal driven systems for over 35 years. Working closely with top campaigns and in conjunction with the designers and individual sailors' needs, Lewmar can develop bespoke and tailored drive train systems to customize the system to your exact needs. This begins with the initial design and continues through technical installation, followed by an ongoing service program.

- Bespoke designed and tailored drive train systems
- Ongoing weight reduction and refinement program
- Modular optimized designs
- 3D Pro Engineer modeled systems



© Brasil 1/VolvoOceanRace.org







## Bevel Gearboxes

- New Lightweight FEA optimized design
- Modular assembly for ultimate installation flexibility
- Oil-filled options available
- Customized Bevel Gearing ratios available



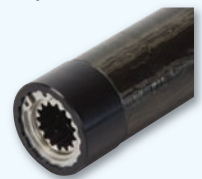
## Drive Shafts and Couplings

- Combination Alloy or Carbon shaft with Universal Joint Couplers
- Ideal for angled shaft applications to maximize interior space



## Constant Velocity Joint

- Using the new Lewmar CV joint, UJ couplings can be replaced to reduce carbon shaft weight
- Increases drive train efficiency for more effective transfer of power
- High strength combination of Torlon bearings and a lightweight alloy housing

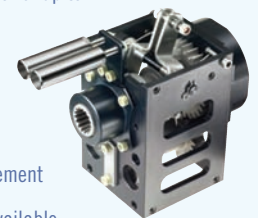


## Drive Shaft Specifications

Product	Weight	
	kg	lb
Lightweight Alloy Drive Shaft	1.0	2.2
High Torque Ultralight Carbon Fiber Drive Shaft	0.4	0.9

## Overdrive Box

- Versatile Modular assembly for any pedestal or drive train system
- Can be used as a speed up for faster line speeds in sail gybes or as a power up to give greater power for flexibility when short-handed
- Dog Drive gear engagement
- Four Custom Ratios available



## Overdrive Box Specifications

Product	Weight	
	kg	lb
Overdrive Box	3.1	6.8

## Clutches

- Modular Assembly allows them to be used in any part of the linkage assembly
- Unique Dog Drive Design ensures consistent and smooth engagement. This allows engagement and disengagement while handles are spinning
- Cable System operated through rapid foot buttons

## Clutch Specifications

Product	Weight	
	kg	lb
Modular Self-Seeking Clutch*	2.4	5.3
Integrated Self Seeking Clutch	0.75	1.6

## Gearbox Specifications

Product	Weight	
	kg	lb
Alloy Bevel Gearbox	4.5	10
Lightweight 4-Man Alloy Bevel Gearbox	2.5	5.5
High-Torque Ultralight Carbon Fiber Bevel Gearbox	2.0	4.4





## Pedestal Systems

The illustration is indicative of Lewmar's 3D CAD capability. It shows the range of modular components brought together to form an ergonomically efficient Pedestal System that offers versatility, efficiency and power.

Power drive hydraulic or electric additions can be engineered into the system with full safety interlocks, allowing for effortless push-button sailing.

## Pedestal Systems – Case Study

Design Brief

- Driven Pit Winch
- Twin linked Pedestal configuration
- Wide Body Sheave Base Cleat Top Powerful Primaries
- Overdrive feature for A-sail Gybes



## Pedestals

- Lightweight Carbon Shell
- Developed using high-strength low-weight Pre-preg carbon fiber composites from the F1 industry
- Twist or Straight Pedestal options
- Dual Output also available
- Clear coat UV stable protective lacquer is standard (painted options available)
- Internal belt drive composite bearing systems
- Double Bearing system on handle housing
- Custom Fat Race grip handles
- Removable Pedestal options for fast cruising market

## Pedestal Specifications

Product	Weight	
	kg	lb
Shaft Drive Pedestal — Max Height	19.2	42.0
Shaft Drive Pedestal — Min Height	14.6	32.0
Removable Drive Shaft Pedestal — Max Height	20.5	45.0
Removable Drive Shaft Pedestal — Min Height	15.9	35.0
Carbon Fiber Drive Belt Pedestal — Max Height*	5.5	12.1
Glass Fiber Drive Belt Pedestal — Max Height	5.9	14.0

Note: Weight Includes Double Grip Handles.



# Distributor List



## Argentina

### North Sails Sud Argentina

Del Arca 59  
1646 San Fernando, Buenos Aires - Argentina  
**tel:** +54 11 4725 0200  
**fax:** +54 11 4746 7561  
**web:** www.northsailsusdamerica.com



## Australia

### Barlow Distributors (Australia) Pty Ltd

177 Phillip Street, Redfern NSW, 2016 Australia  
**tel:** + 61 29 318 2128  
**email:** barlow@hotkey.net.au

### Harrold Marine Wholesale Pty Ltd

Unit 3/19 Success Street, Acacia Ridge, Brisbane, Queensland, 4110 Australia  
**tel:** +61 73 277 6563  
**fax:** +61 73 277 6567  
**email:** hmw@optusnet.com.au

### JPW (Aust) Pty Ltd

Unit 3, 51 Division Street  
Welshpool, Western Australia, 6106 Australia  
**tel:** +61 89 351 9266  
**fax:** +61 89 351 9266  
**email:** ghunter@jpwmarine.com.au



## Austria

### Alltechnik GmbH

Rheinboldtstrasse 11-13  
A 2362 Biedermannsdorf  
Bei Wien, Austria  
**tel:** +43 2236 6467 60  
**fax:** +43 2236 64676 76  
**email:** office@allroundmarin.com  
**web:** www.allroundmarin.com



## Brazil

### Sailing Products

Avenida das Americas, 500 BL 11/207 Downtown  
Barra, CEP 22640-100  
Rio De Janeiro, Brazil  
**tel:** +55 2131549990  
**fax:** +55 2124947223  
**email:** sailing@sailing.com.br  
**web:** www.sailing.com.br



## Bulgaria

### Yacht Shop Bulgaria (Transcommerce)

Passenger Terminal, 2 Floor  
Port Varna, Bulgaria  
**tel:** +359 52 69 22 99  
**email:** info@LYyachting.com  
**web:** www.LZyachting.com



## Canada

### Payne's Marine Group

2120 Quadra Street  
Victoria, BC V8T 4B9, Canada  
**tel:** +250 382 7722  
**fax:** +250 382 4043  
**email:** sales@paynesmarine.com  
**web:** www.paynesmarine.com

## Payne's Marine Group

2360 Industrial Street  
Burlington, Ontario L7P 1A1, Canada  
**tel:** +905 332 8291  
**fax:** +905 332 0557  
**email:** sales@paynesmarine.com  
**web:** www.paynesmarine.com



## Canary Islands

### Rolnautic S.L.

Calla Cuzco No 8, El Cebadal  
Las Pamas De Grand Canarias 35008, Canary Islands  
**tel:** +34 928296811  
**fax:** +34 9282300344  
**email:** jcrodriguez@rolnautic.com



## Chile

### Winncorp LTDA

Tobalaba 1781, Providencia, Santiago, Chile  
**tel:** +011 56 221 26494  
**fax:** +011 56 224 67168



## Croatia

### Maritima d.o.o.

Put Sepurine 1  
22203 Rogoznica, Croatia  
**tel:** +385 (0) 22 558 130  
**fax:** +385 (0) 22 558 131  
**email:** info@nautical-equipment.com  
**web:** www.nautical-equipment.com



## Czech Republic

### Avar Yacht

Areal ZD Veverske Kninice  
664 81 Ostrovacice, Czech Republic  
**tel:** +420 546 428015  
**fax:** +420 546 428075  
**email:** yacht@avaryacht.cz  
**web:** www.avaryacht.cz



## Denmark

### Selden Mast A/S

Bakkegardsvej 406  
DK-3050 Humlebaek, Denmark  
**tel:** +45 39 18 44 00  
**fax:** +45 39 27 17 00  
**email:** info@seldenmast.dk  
**web:** www.seldenmast.dk



## Finland

### Oy Maritim

PO Box 46, Veneentekijantie 1  
Helsinki 210, Finland  
**tel:** +358 (0)207 65180  
**fax:** +358 (0)207 652942  
**email:** maritim@maritim.fi  
**web:** www.maritim.fi



## France

### Accastillage Bernard

880 Avenue St Exuperie, 6210, Mandelieu, France  
**tel:** +33 4 93 90 47 47  
**fax:** +33 4 93 90 47 53  
**email:** contact@accastillage-bernard.fr  
**web:** www.accastillage-bernard.com

### Technique Distribution

Z.A. De Kermaquer, 56470, La Trinité Sur Mer, France  
**tel:** +33 297557256  
**fax:** +33 297557258  
**email:** contact@technique-greement.com



## Germany

### Lankhorst/Hohorst GmbH

Bonifatiusstrasse 411, D 48432 Rheine, Germany  
**tel:** +49 59 719707  
**fax:** +49 59 716064  
**email:** info@lankhorst-hohorst.de  
**web:** www.lankhorst-hohorst.de



## Gibraltar

### M Sheppard & Co Ltd

Waterport Wharf, PO Box 899, Gibraltar  
**tel:** +350 75148  
**fax:** +350 42535  
**email:** admin@sheppard.gi  
**web:** www.sheppard.gi



## Greece

### Nautilus Ltd

Posidonos Av 33/, Metamorfoseos Str 2, Alimos  
Athens 17455, Greece  
**tel:** +30 210 9854238  
**fax:** +30 210 9849 444  
**email:** info@nautilus.gr  
**web:** www.nautilus.gr



## Hong Kong

### Piercey Marine

93 Che Keng Tuk Road, Sai Kung, Hong Kong  
**tel:** +(852) 27914106  
**fax:** +(852) 27914124  
**email:** pmltd@netnavigator.com



## Hungary

### Hullam 04 KFT

8220 Balatonalmadi, Füzfői ut 9, Hungary  
**Tel** +36 88 432 897  
**Fax** +36 88 432 897  
**info@fukeyacht.hu**  
**www.fukeyacht.hu**



## Ireland

### Western Marine

Bulloch Harbour, Dalkey  
Co Dublin, Ireland  
**tel:** +353 01 2800321  
**fax:** +353 01 2800327  
**email:** marine@iol.ie



# Distributor List



## Israel

### Atlantis Marine Ltd

147, Kikar Atarim, 169 Hayarkon Street  
Tel Aviv, 63453, Israel  
tel: +972 3 522 7978  
fax: +972 3 523 5150  
email: atlantis@inter.net.il  
web: www.atlantis-marine.co.il



## Italy

### Osculati Spa

via Pacinotti, 12  
20090 Segrate (Milano), Italy  
tel: +39 02 2699 111  
fax: +39 02 26991120  
email: info@osculati.it  
web: www.osculati.com



## Japan

### ISCO/Industrial Suppliers Co Ltd SA

NAC Minato Building 2F  
2-1-24 Kaigan, Minato-ku, Tokyo, 105-0022, Japan  
tel: +81 3 5443 8231/8234  
fax: +81 3 5443 8240/8241  
email: sales@isco.co.jp  
web: www.isco.co.jp

### Nakamura Sengu Kogyo Co Ltd

6-15 Nagata-Higashi 3 Chome  
Minami-Ku, Yokohama, 232, Japan  
tel: +81 4 5713 5481  
fax: +81 4 5713 8373  
email: nakasen@marinevance.com



## Kuwait

### Seas & Deserts

Amiry Trade Centre, Shuwaikh Bank Street  
PO Box 110, Safat 13002, Kuwait  
tel: +965 4 849 212  
fax: +965 4 845 346  
email: sales@seadesert.com  
web: www.seadesert.com



## Malta

### Gauci Borda & Co Ltd

53 Msida Road, Gzira, GZR 03, Malta  
tel: +356 21313758  
fax: +356 2134 3604  
email: info@gauciborda.com  
web: www.gauciborda.com



## Martinique

### Caraibes Greement

Boulevard Allegre  
97290 Le Marin, Martinique  
tel: +596 74 80 33  
fax: +596 74 66 98  
email: cgmar@wanadoo.fr



## Netherlands

### Lankhorst Taselaar Bv

Binnenhavenweg 31. 8211 AA  
Lelystad, Netherlands  
tel: +31 320 274611  
fax: +31 320 231912  
email: info@lankhorst-taselaar.nl  
web: www.lankhorsttaselaar.nl



## New Zealand

### Kiwi Yachting Consultants Ltd

15 Westmoreland St West, Grey Lynn  
Auckland, New Zealand  
tel: +64 (0)9 360 0300  
fax: +64 (0)9 360 0302  
email: sales@kiwiyachting.co.nz  
web: www.kiwiyachting.co.NZ



## Norway

### Leif H Strom A/S

Hasleveien 15, N-0571, Oslo, Norway  
tel: +47 23 23 39 70  
fax: +47 23 23 39 71  
email: mail@stroem.no  
web: www.stroem.No



## Poland

### Aura

Ul Przechylna 13, 70-800 Szczecin, Poland  
tel: +48 91 4613992  
fax: +48 91 4613741  
email: michal@aura.szczecin.pl  
web: www.aura.szczecin.pl



## Portugal

### Grupo Euronete

Lugar do Rio, Nogueira da Maia  
PO Box 1029, 4471-909 Maia, Portugal  
tel: +351 229619200  
fax: +351 229605757



## Russia

### 000 Moreman

19, building 2  
Gamalei street Moscow, 123098, Russia  
tel: +7 495 1013362  
fax: +7 499 1937111  
email: info@moreman.ru  
web: www.moreman.ru



## Singapore

### Alquest Marketing

66, Tannery Lane, #02-06B Sindo Building  
347805, Singapore  
tel: +65 6749 9359  
fax: +65 6749 9360  
email: jason@alquest.com.sg  
web: www.alquest.com.sg



## Slovenia

### Seawave Marine D.O.O

Alpska Cesta 0043, 4248 Lesce, Slovenia  
tel: +386 (0)4 5302 444  
fax: +386 (0)4 5302 440  
email: info@seawave-marine.si  
web: www.seawave-marine.si



## South Africa

### Central Boating

85 Bree Street  
Cape Town, 8001, South Africa  
tel: +27 21 424 8026  
fax: +27 21 424 2564  
email: info@centralboating.co.za  
web: www.centralboating.co.za



## Spain

### Acastillaje Synera SL

Passeig Joan de Borbós, 92, 08039  
Barcelona, Spain  
tel: +34 93 225 49 34  
fax: +34 93 225 19 49  
email: info@sinerarigging.com  
web: www.sinerarigging.com



## Sweden

### Navship AB

Box 37, SE-427 21 Billdal, Sweden  
tel: +46 31 93 96 00  
fax: +46 31 91 45 56  
email: info@navship.se  
web: www.navship.se



## Switzerland

### Bucher + Walt SA

Route de Soleure 8, CH 2072 St Blaise, Switzerland  
tel: +41 327 559500  
fax: +41 327 559530  
email: info@bucher-walt.ch  
web: www.bucher-walt.ch



## Taiwan

### Marineware

2fl, No.172, Section 1 Ling Mi Road, Pali Shiang 249,  
Taipei County, Taiwan  
tel: +886 22618 8342



## Thailand

### Phuketsail

3/2-4 Moo 5, Koh Keaw, Phuket City,  
Phuket, 83200, Thailand  
tel: +66 76 377542  
fax: +66 76 238494  
email: ecommerce@phuleksail.com  
web: www.phuketsail.com

# Distributor List



## Turkey

### Kaptan Denizcilik Ticaret A.S.

Ahmet Mithat Efendi Cad 13/1,81030 Kalamis  
Istanbul, Turkey

tel: +90 216 337 2000

fax: +90 216 348 2999

email: info@kaptandenizcilik.com

web: www.kaptandenizcilik.com



## United Arab Emirates

### Delma Industrial Supply & Marine Service

P.O. Box 53382

Abu Dhabi, UAE

tel: +971 2 6668153

fax: +971 2 6668154

email: disms@emirates.net.ae

### Duboats Trading Llc

PO Box 53793

City Tower 2 Sheikh Zayed Road,  
10th Floor, Office 1002

Dubai, UAE

tel: +971 04 332 7771

fax: +971 04 332 2456

email: c.vanek@duboats.com



## United Kingdom

### Bainbridge International Ltd

8 Flanders Park, Hedge End  
Southampton, Hampshire, SO30 2FZ

tel: +44 (0)1489 776000

fax: +44 (0)1489 776048

email: info@bainbridgeint.co.uk

web: www.bainbridgeint.com

## Whitlock South

17 Hollybank Lane,  
Emsworth Hants, PO10 7UD

tel: +44 (0) 1243 430050

email: enquiries@winchservicing.com

web: www.winchservicing.com



## USA

### Lewmar

351 New Whitfield Street, Guilford, CT, 06437, USA

tel: +1 203 458 6200

fax: +1 203 453 5669

email: info@lewmarusa.com

For a complete list US distributors please visit:

<http://www.lewmar.com/usa/distributors.htm>



## Venezuela

### Intermarine

AV Intecomunal De Guatire

Cruse Con C, La Arenera, Venezuela

tel: +58 0212 344 16 77

fax: +58 0212 344 14 23

web: www.intermarine.com.ve

## Caribbean

### Antigua Rigging

Falmouth Harbor, Antigua

tel: +268 562 1294

fax: +268 463 8575

email: info@antiguarigging.com

web: www.antiguarigging.com

## Budget Marine

Western Main Road, Chaguaramas, Trinidad

tel: +1 904-477-8011

email: sales@budmar.an

web: www.budmar.an

## Caraibes Greement

2 Porte de la Marina, 97110 Pointe A Pitre

Guadeloupe, Guadeloupe

tel: +590 908201

fax: +590 909750

email: caraibe.greement@wanadoo.fr

## FKG Marine Rigging & Fabrication NV

Postal Address: PO Box 5011, Philipsburg, St Maarten

Physical Address: 37 Wellington Road, Cole Bay,  
St. Maarten, Netherlands Antille

tel: +599 544 4733

mobile: +599 557 8502

fax: +599 544 2171

email: info@fkg-marine-rigging.com

web: www.fkg-marine-rigging.com

## Island Rigging and Hydraulics

8186 Sub Base Road, Suite 4

St. Thomas, USVI, 00802

tel: 011-340-774-6833

fax: 011-340-774-5024

email: islrig@viaccess.net

## Martinez Marine Service

Puerto del Rey Marina Suite #103

Highway #3, Km 51.4

Fajardo, PR, 00738

tel: (787) 863-4646

fax: (787) 272-8172

web: www.martinezmachine.com



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# Limited Warranty and Key Terms of Supply by Lewmar

Lewmar warrants that in normal private pleasure boat usage and with proper maintenance its products will conform with their specification for a period of three years from the date of purchase by the end user, subject to the conditions, limitations and exceptions listed below. Any product, which proves to be defective in normal usage during that three-year period, will be repaired or, at Lewmar's option, replaced by Lewmar.

## A CONDITIONS AND LIMITATIONS

- i Lewmar's liability shall be limited to the repair or replacement of any parts of the product which are defective in materials or workmanship.
- ii Responsibility for the selection of products appropriate for the use intended by the Buyer shall rest solely with the Buyer and Lewmar accepts no responsibility for any such selection.
- iii Lewmar shall not be liable in any way for Product failure, or any resulting loss or damage that arises from:
  - a. use of a product in an application for which it was not designed or intended;
  - b. corrosion, ultra violet degradation or wear and tear;
  - c. a failure to service or maintain the product in accordance with Lewmar's recommendations;
  - d. faulty or deficient installation of the product (unless conducted by Lewmar);
  - e. any modification or alteration of the product;
  - f. conditions that exceed the product's performance specifications or safe working loads.
  - g. Abuse
- iv Product subject to a warranty claim must be returned to the Lewmar outlet that supplied the product for examination unless otherwise approved by Lewmar in writing.
- v This warranty does not cover any incidental costs incurred for the investigation, removal, carriage, transport or installation of product.
- vi Service by anyone other than authorized Lewmar representatives shall void this warranty unless it accords with Lewmar guidelines and standards of workmanship.

vii Lewmar's products are intended for use only in the marine environment. Buyers intending to use them for any other purpose should seek independent professional advice as to their suitability. Lewmar accepts no liability arising from such other use.

## B EXCEPTIONS

Cover under this Warranty is limited to a period of one year from the date of purchase by the end user in the case of any of the following products or parts of products:

- Electric motors and associated electrical equipment
- Electronic controls
- Hydraulic pumps, valves and actuators
- Hatch & Portlight weather seals
- Products used in "Grand Prix" racing applications
- Products used in commercial or charter applications
- Anchor rodes

## C LIABILITY

- i Lewmar's liability under this warranty shall be to the exclusion of all other warranties or liabilities (to the extent permitted by law). In particular (but without limitation):
  - a. Lewmar shall not be liable for:
    - Any loss of anticipated turnover or profit or indirect, consequential or economic loss;
    - Damages, costs or expenses payable to any third party;
    - Any damage to yachts or equipment;
    - Death or personal Injury (unless caused by Lewmar's negligence).

Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

- b. Lewmar grants no other warranties regarding the fitness for purpose, use, nature or satisfactory quality of the products.
- ii Where applicable law does not permit a statutory or implied warranty to be excluded, then such warranty, if permitted by that state or country's law, shall be limited to a period of one year from

the date of purchase by the end user. Some states and countries do not allow limitations on how long an implied warranty lasts, so this limitation may not apply to you.

## D PROCEDURE

Notice of a claim for service under this warranty shall be made promptly and in writing by the end user to the Lewmar outlet that supplied the product or to Lewmar Limited at Southmoor Lane, Havant, Hampshire PO9 1JJ, England.

## E SEVERANCE CLAUSE

If any clause of this warranty is held by any court or other competent authority to be invalid or unenforceable in whole or in part, the validity of the remaining clauses of this warranty and the remainder of the clause in question shall not be affected.

## F OTHER RIGHTS

This warranty gives you specific legal rights, and you may also have other legal rights, which vary from state to state and country to country.

In the case of European States a Consumer customer (as defined nationally) has legal rights under the applicable national law governing the sale of Consumer Goods; this Warranty does not affect those rights.

## G LAW

This warranty shall be governed by and read in accordance with the laws of England or the state or country in which the first end user is domiciled at the time of purchase of the product.

## H DISPUTES

Any dispute arising under this warranty may, at the option of the end-user, be referred to alternative dispute resolution under the rules of the British Marine Federation or to the Courts of the State whose law shall govern the warranty or to the Courts of England and Wales.

The British Marine Federation may be contacted at Marine House, Thorpe Lea Road, Egham, England, TW20 8BF



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