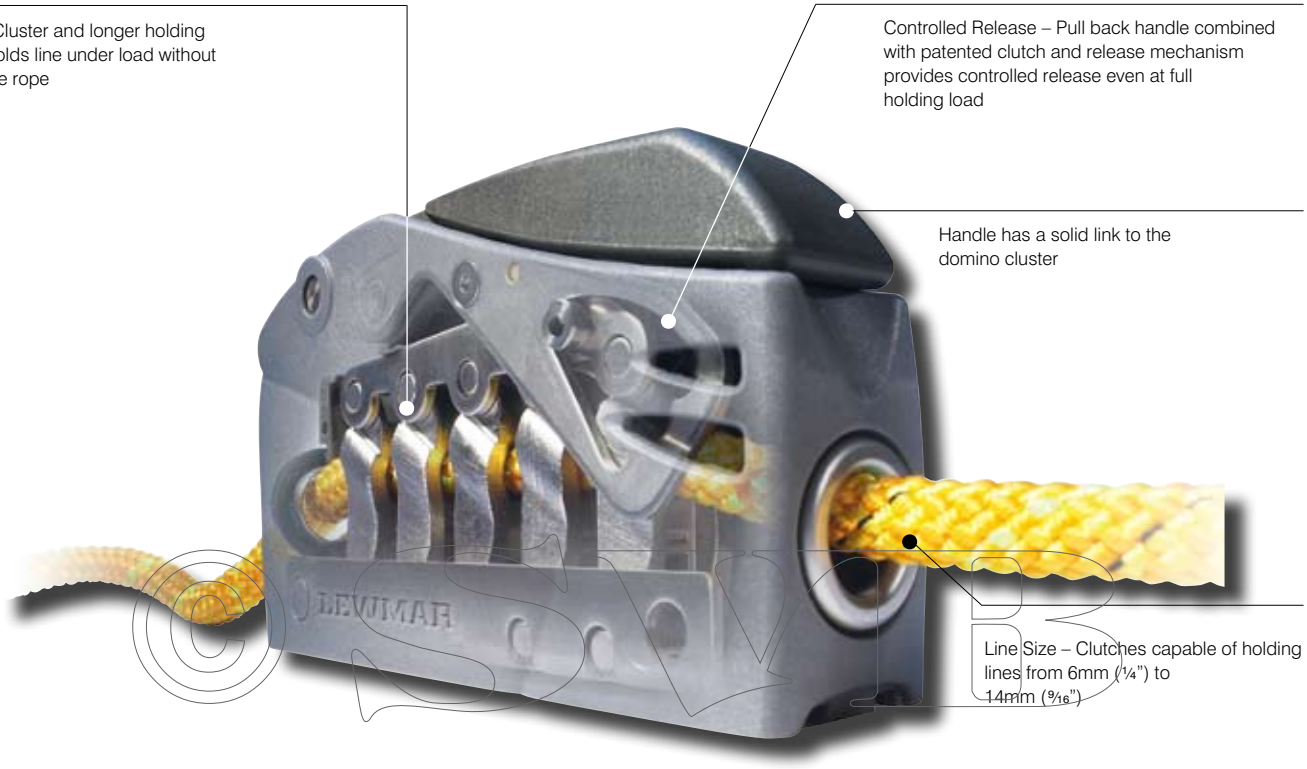
Clutches — Features

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

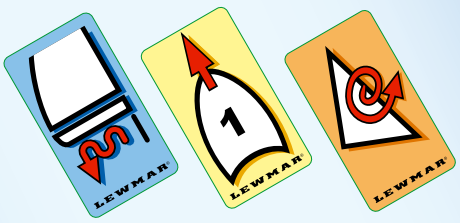


✗ Instead of just jamming the rope…

✓ … Lewmar's Domino mechanism flexes it for better grip and less rope wear. Dominos also allow multiple holding points.

Features

- Full Range
- Easy Installation
- High holding Power
- Supplied with decals
- Domino mechanism



Lewmar's award winning rope clutch can now be clearly marked and identified with our range of info-graphics specially designed to suit all sailing applications.

Rope Clutch Selection Guide

Boat Length Overall

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

D1 Rope Clutch D2 Rope Clutch

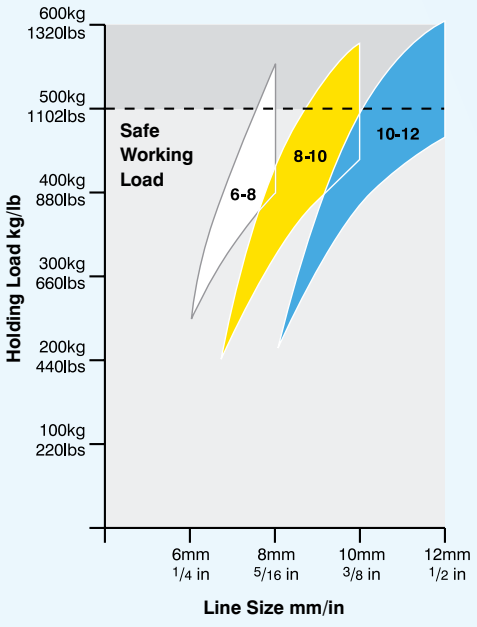
Holding Loads Explained

The holding load of each clutch is listed for the two main line sizes the clutch was designed to hold, the maximum and minimum listed are dependent on the line type used.

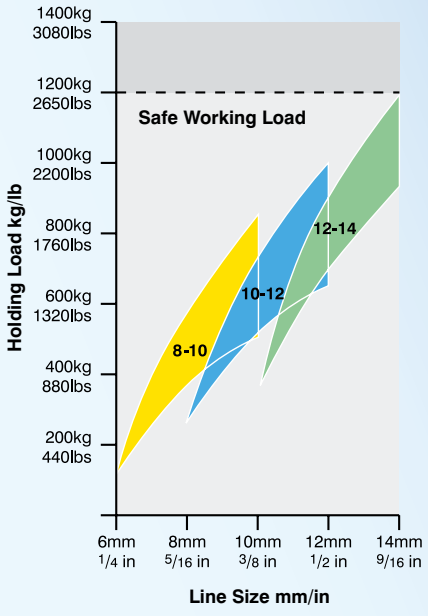
Rope clutches can handle one line size below the nominal range but at a reduced holding load, this can be useful for more lightly loaded applications such as control lines and down hauls. In virtually all cases the larger the line the better the holding capacity, so where the ultimate load is required the larger of the designated line should be used.

This graph shows the range of holding loads that can be achieved, a good quality hard cored line will hold better than a softer line, in some cases this may be higher than the rated Safe Working Load of the clutch but in all cases the line will slip before the Breaking Load is reached.

D1 Rope Clutch



D2 Rope Clutch



D1 Rope Clutch

Features

- High load applications on boats up to 9.7m (32ft),low load and control line applications on larger boats
- Line sizes from 6mm (1⁄4") to 12mm (1⁄2"). Safe working load 500kg(1100lb)
- Minimum holding loads shown in table, for maximum loads see page 115
- Fixings and position as industry standard.

D1 Single Rope Clutch

D1 Double Rope Clutch

D1 Rope Clutch Specifications

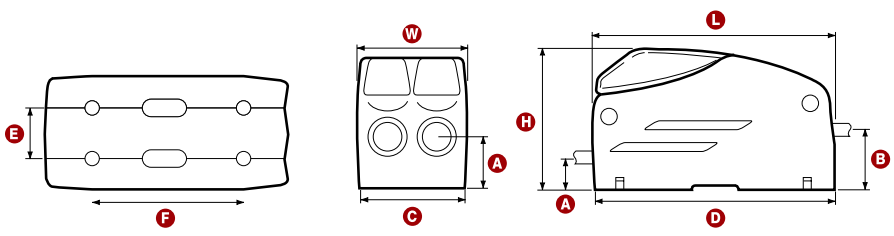
Part Number	Size	Description	Line Size mm	Line Size in	Min Holding Load kg	Min Holding Load lb	Weight g	Weight oz
2910 1108	**D1**	6 - 8 Single Clutch	6 - 8	¼ - 5⁄16	300	661	249	8.8
2910 1208	**D1**	6 - 8 Double Clutch	6 - 8	¼ - 5⁄16	300	661	470	16.6
2910 1110	**D1**	8 - 10 Single Clutch	8 - 10	5⁄16 - 3⁄8	400	880	245	8.6
2910 1210	**D1**	8 - 10 Double Clutch	8 - 10	5⁄16 - 3⁄8	400	880	464	16.4
2910 1112	**D1**	10 - 12 Single Clutch	10 - 12	3⁄8 - 7⁄16	500	1100	242	8.5
2910 1212	**D1**	10 - 12 Double Clutch	10 - 12	3⁄8 - 7⁄16	500	1100	460	16.2
2910 0010	**D1**	Handle Kit	-	-	-	-	-	-

Notes:

Note: Line entry and exit angle should not exceed 15° from the rope clutch centre line

Use Pan head M6 - 1/4" fixings - do not tighten beyond 10N.m Torque

D1 Rope Clutch Dimensions



D1 Rope Clutch Dimensions

Size	L Length mm	L Length in	W Width mm	W Width in	H Height mm	H Height in	A Line Entry mm	A Line Entry in	B Line Exit mm	B Line Exit in	C mm	C in	D mm	D in	E mm	E in	F mm	F in
Single	126	5	32.0	1 5⁄16	72	2 13⁄16	27	1 1⁄8	29	1 3⁄16	29	1 3⁄16	125	4 7⁄8	-	-	79	3 1⁄8
Double	126	5	57.85	2 5⁄16	72	2 13⁄16	27	1 1⁄8	29	1 3⁄16	55	2 3⁄16	125	4 7⁄8	26	1	79	3 1⁄8

D2 Rope Clutch

Features

- High load applications on boats up to 16.8m (55ft), low load and control line applications on larger boats
- Line sizes from 8mm (5⁄16") to 14mm (9⁄16"). Safe working load 1200kg(2650lb)
- Minimum holding loads shown in table, for maximum loads see page 115
- Fixings and position as industry standard.

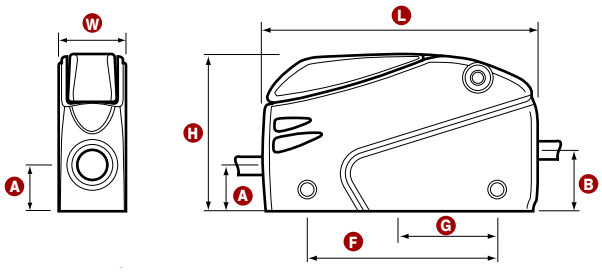
D2 Single Rope Clutch

D2 Double Rope Clutch

D2 Rope Clutch Specifications

Part Number	Size	Description	Line Size mm	Line Size in	Min Holding Load kg	Min Holding Load lb	Weight g	Weight oz	SWL kg	SWL lb
2910 1410	D2	8-10 Single Clutch	8 -10	5⁄16- 3⁄8	500	1102	648	22.8	1200	2650
2910 2410	D2	8-10 Double Clutch	8 -10	5⁄16- 3⁄8	500	1102	1216	42.9	1200	2650
2910 1412	D2	10-12 Single Clutch	10-12	3⁄8- 1⁄2	700	1550	633	22.3	1200	2650
2910 2412	D2	10-12 Double Clutch	10-12	3⁄8- 1⁄2	700	1550	1176	41.5	1200	2650
2910 1414	D2	12-14 Single Clutch	12-14	1⁄2- 9⁄16	1000	2204	623	22	1200	2650
2910 2414	D2	12-14 Double Clutch	12-14	1⁄2- 9⁄16	1000	2204	1139	40.2	1200	2650
2910 1501	D2	Handle Kit					N/A			

D2 Rope Clutch Dimensions



Notes:

Line entry and exit angle should not exceed 15° from the rope clutch centre line.

Use Pan head M8 - 5/16" fixings - do not tighten beyond 22 N.m Torque

2500 2323 Label Function Sheet

D2 Rope Clutch Dimensions

Size	L Length mm	L Length in	W Width mm	W Width in	H Height mm	H Height in	A Line Entry mm	A Line Entry in	B Line Exit mm	B Line Exit in	E Fixing Point mm	E Fixing Point in	F Fixing Point mm	F Fixing Point in	G Fixing Point mm	G Fixing Point in
Single	156	6 1⁄8	38	1 1⁄2	88	3 3⁄8	26	1	32	1 5⁄16	-	-	107	4 1⁄4	70	2 11⁄16
Double	156	6 1⁄8	68.5	2 1⁄16	88	3 3⁄8	26	1	32	1 5⁄16	30.5	1 3⁄16	107	4 1⁄4	70	2 11⁄16