

8. Hardware



NTR Cars Size 1 - 2 and 3

The NTR range is the foundation of Lewmar's traveller systems. Found on production yachts across the world, NTR is reliable, seaworthy and designed to perform.

A modular design, NTR cars can be built from components into any configuration, with simple maintenance and servicing. This flexible platform means that every sailor's needs and preferences can be catered for without expensive alterations. Backwards compatibility with our Ocean range ensures the longevity of existing and new systems.

- Popular choice for cruising and racing yachts
- Modular system suits any configuration
- Compatible with Ocean Range track
- Larger sheaves result in efficient rope handling

NTR cars are available with two friction-reducing systems:

Torlon Balls (TB)

- Continuous ball race
- High-strength Torlon ensures optimum performance and load management
- Innovative arrangement provides car movement at a range of load angles
- Replacement balls available

Slide Rods (SR)

- Simpler, fixed system
- Rods are easy to maintain and replace
- Suitable for more static applications where movement is less vital
- Durable materials





NTR Mainsheet Traveller Systems

Traveller kits are made up of all the necessary components to assemble a standard system. Each one comes with Lewmar's sliding bolt track, which allow you to retrofit the new track to your deck using the original bolt holes.



Size 1 Mainsheet System

In the Size 1 kit, you'll find all the components necessary to assemble a standard system.

- For boats up to 11m (36ft)
- Suitable for 8mm (5/16") control line

Size 2 Mainsheet System

Like the size 1 system, the Size 2 Mainsheet system comes with everything you need for a complete standard system, including the sliding bolt track.

- For boats up to 15m (49ft)
- Suitable for 10mm (3/8") control line

Size 1&2 Traveller Kit 4:1 Purchase System

	SIZE 1	SIZE 2
TRAVELLER SYSTEM	29461354BK	29462354BK
COMPRISES:		
1 X MAINSHEET CAR SHACKLE WITH DOUBLE CONTROL LINE SHEAVES, CLEATS & BECKETS	29431916BK	29432916BK
2 X END STOP WITH DOUBLE CONTROL LINE SHEAVES	29471032BK	29472032BK
1 X SLIDING BOLT TRACK	29161115BK	29162118BK
TRACK LENGTH	1.5M	1.8M

TRACK SIZE	SIZE 1	SIZE 2
BOAT SIZE	UP TO 11M (36FT)	UP TO 14.6M (48FT)
MAX. MAINSAIL AREA:		
END BOOM:	34M ² (366FT ²)	46M ² (495FT ²)
MID BOOM:	21M ² (226FT ²)	38M ² (410FT ²)
SAFE WORKING LOAD:	900KG (1980 LB)	1000KG (2000 LB)

NTR Torlon Ball (TB) Mainsheet Cars Size 1, 2 and 3

TB Car with Shackle, Double CL Sheaves, Becket & Cam (5:1)



PART NO	SIZE	WORKING LOAD LIMIT		LENGTH		WIDTH		WEIGHT	
		KG	LB	MM	IN	MM	IN	G	OZ
29431916BK	1	900	1980	162	6 3/8	97	3 3/4	799	28.2
29432916BK	2	1500	3300	210	8 5/16	120	4 3/4	1730	68.1

* Car WWL, cleat WLL shown on p346

TB Car with Upstand, Double CL Sheaves, Becket & Cam (5:1)



* 29432838BK fitted with size 3 upstand

PART NO	SIZE	WORKING LOAD LIMIT		LENGTH		WIDTH		WEIGHT	
		KG	LB	MM	IN	MM	IN	G	OZ
29432816BK	2	1500	3300	210	8 5/16	120	4 3/4	1610	56.7
29432838BK	2*	3500	7700	307	12 1/16	120	4 3/4	1786	70.3

* Car WWL, cleat WLL shown on p346

TB Car Long, 2x Upstand, Double CL Sheaves



* 29432832BK fitted with size 3 upstand

PART NO	SIZE	WORKING LOAD LIMIT		LENGTH		WIDTH		WEIGHT	
		KG	LB	MM	IN	MM	IN	G	OZ
29432822BK	2	1800	3960	307	12 1/16	92	3 5/8	1460	51.5
29432832BK	2*	2800	6160	307	12 1/16	92	3 5/8	1560	55
29433832BK	3	3500	7700	270	10 5/8	88	3 1/2	1810	63.8

TB Car Long, 3x Upstand, Double CL Sheaves



* 29432833BK fitted with size 3 upstand

PART NO	SIZE	WORKING LOAD LIMIT		LENGTH		WIDTH		WEIGHT	
		KG	LB	MM	IN	MM	IN	G	OZ
29432823BK	2	3000	6600	307	12 1/16	92	3 5/8	1460	51.5
29432833BK	2*	3500	7700	307	12 1/16	92	3 5/8	1560	55
29433833BK	3	4000	8800	300	11 3/4	88	3 1/2	2190	77.2

NTR Torlon Ball (TB) Genoa Cars Size 1, 2 and 3

TB Short Genoa Car with Tow Point



PART NO	SIZE	WORKING LOAD LIMIT		LENGTH		WIDTH		WEIGHT	
		KG	LB	MM	IN	MM	IN	G	OZ
29421366BK	1*	600	1320	107	4 3/4	71	2 3/4	521	18.3

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

TB Genoa Car with Becket



PART NO	SIZE	WORKING LOAD LIMIT		LENGTH		WIDTH		WEIGHT	
		KG	LB	MM	IN	MM	IN	G	OZ
29441301BK	1*	900	1980	162	6 3/8	71	2 3/4	577	20.3
29442301BK	2*	1800	3960	210	8 5/16	120	4 3/4	1327	46.8

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