

DE

Einsatz auf schwimmenden Konstruktionen

www.liebherr.com

LIEBHERR

Raupenkrane



0°

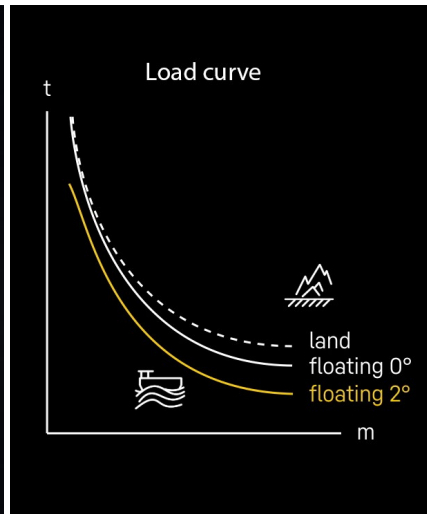
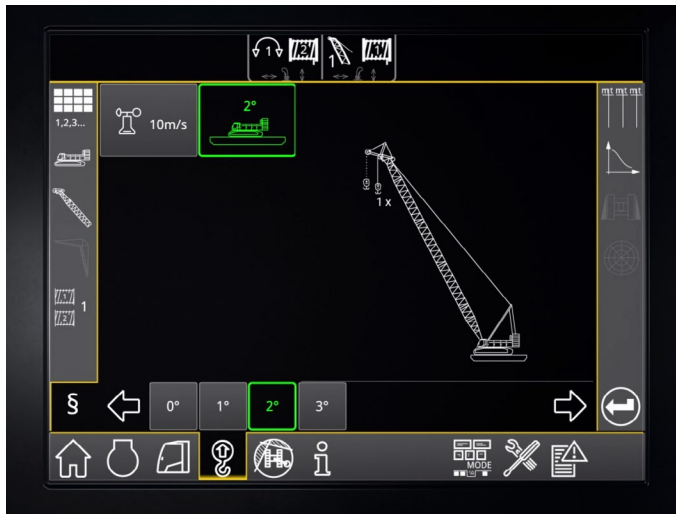
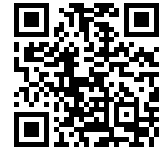
1.1°

0.1°

Besonderheiten und Vorteile	3
Hebeeinsatz mit Vertical Line Finder	4
Pfahlaufriechvorrichtung	5
Anmerkungen zu den Traglasten	6
LR 1100.1 [8503.02]	7
LR 1110 [1001.02]	8
LR 1130.1 [1002.04]	10
LR 1160.1 [1003.04]	12
LR 1200.1 [1004.03]	14
LR 1250.1 [1004.03]	16
LR 1300.1 SX [1006.02]	18
LR 1400 SX [1007.01]	20

Besonderheiten und Vorteile

Die Krane der LR-Baureihe sind optional mit dem Modus „schwimmende Konstruktion“ ausgestattet. Die Neigung der schwimmenden Konstruktion und die damit verbundene Traglastkurve kann vom Fahrer als 0°, 1°, 2° oder 3° angewählt werden. Die zugehörige Lastmomentbegrenzung (Anzeige Traglast und Traglastausnützung sowie Traglastbegrenzung) erhöht wesentlich die Sicherheit auf der schwimmenden Konstruktion im Betrieb. Das mühsame Handling mit Papier-Traglasttabellen entfällt.



Beispielhaft hat hier der Kranfahrer die Neigung der schwimmenden Konstruktion auf 2° eingestellt. Die Kransteuerung verwendet automatisch die geeignete Traglast.

ESTA Awards 2024: Gewinner der Kategorie "Sicherheit"



Die Neigung der schwimmenden Konstruktion wird von der Kransteuerung überwacht. Entsprechend wird der Fahrer bei Überschreitung des eingestellten Neigungswinkels gewarnt.

Hebeeinsatz mit Vertical Line Finder

Mit Hilfe des Assistenzsystems „Vertical Line Finder“ kann der Fahrer Schrägzug (Side-lead und Off-lead) erkennen und ausgleichen, um unerwünschte Pendelbewegungen der Last und damit verbundene Traglastüberschreitungen zu vermeiden. Damit erhöht sich die Sicherheit im Betrieb.



Sensoren ermitteln den Seilabgangswinkel



Per Knopfdruck positioniert sich der Ausleger automatisch über dem Schwerpunkt der Last. Dadurch wird Schrägzug vermieden und die Last kann pendelfrei gehoben werden.

Pfahlaufrichtvorrichtung

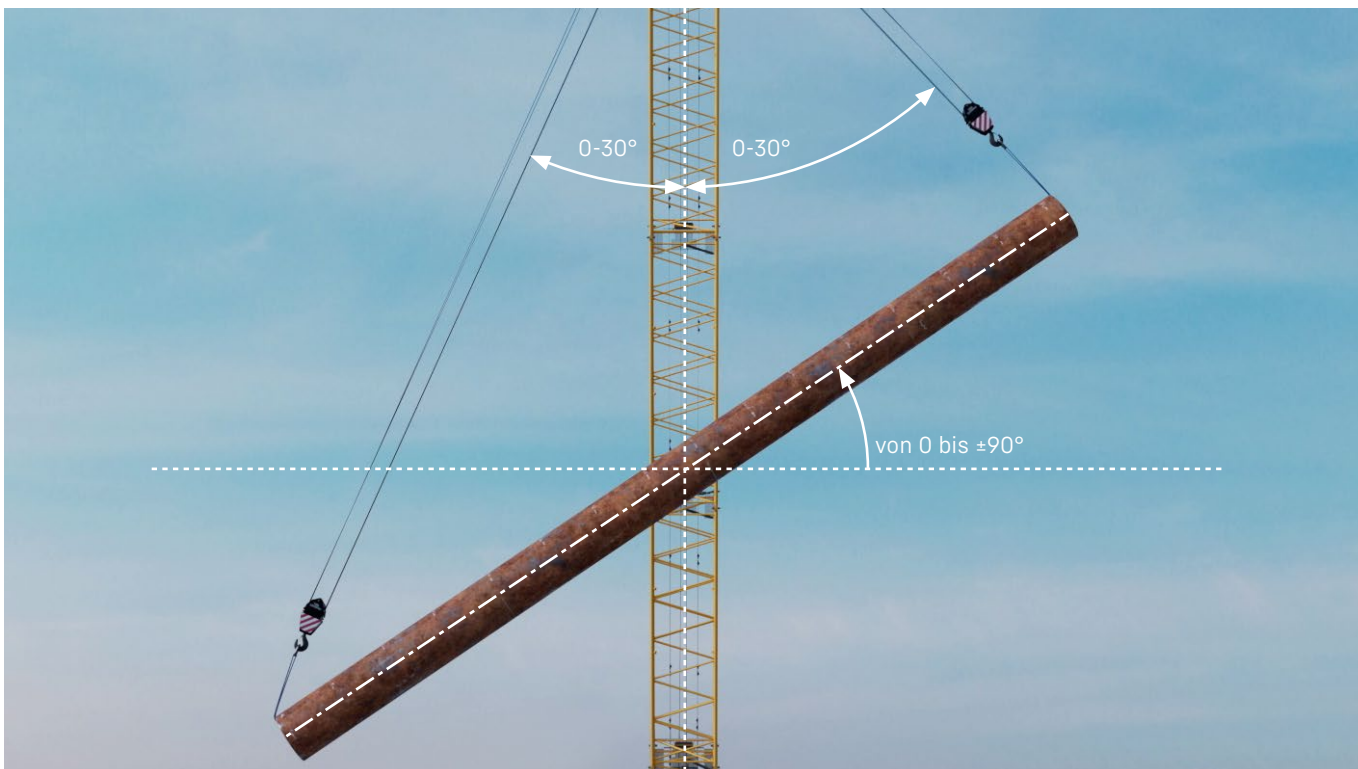
Die neue Pfahlaufrichtvorrichtung, passend für LR 1300.1 SX und LR 1400 SX, ermöglicht das sichere und einfache Handling von Pfählen mit einem Eigengewicht bis zu 90 t.



Die Pfahlaufrichtvorrichtung kann sehr einfach am Auslegerkopf montiert werden.



Optionale „Off-lead-Kompensation“: Per Knopfdruck kann der Schrägzug in Auslegerrichtung und damit das Lastpendeln in Auslegerrichtung vermieden werden.



Der Pfahl kann stufenlos in jede Lage gedreht und dort gehalten werden, Pfahlgewicht max. 90 t.

Anmerkungen zu den Traglasten

- Traglasten für Einsatz als Montagekran (entspricht Kraneinstufung nach ISO 4301-2, Krangruppe A1).
- Für die Stahltragwerke gilt EN 13001-1; EN 13001-2.
- Berechnung der Standsicherheit nach ISO 4305.
- Das Gewicht des Lastaufnahmemittels (Hakenflasche, Hubseile, Schäkel) ist von der Traglast abzuziehen.
- Die Ausladungen sind von Mitte Drehkranz und unter der vertikal hängenden Last angegeben.
- Die Traglasten sind rundum (360°) schwenkbar.
- Die Neigung der schwimmenden Konstruktion ist am Steuerstand gradweise vorwählbar (Maximalwert 3°) und wird von der Kransteuerung überwacht.
- Die maximal zulässige Windgeschwindigkeit ist am Steuerstand vorwählbar und im Traglasttabellenbuch ersichtlich.
- Schrägzug aufgrund einer Bewegung der schwimmenden Konstruktion oder des Lastortes ist nicht zulässig.
- Raupenträger sind auf breite Spur gestellt.
- Vorschriften von Klassifikationsgesellschaften sind nicht berücksichtigt.
- Die schwimmende Konstruktion ist von einem Schiffbauingenieur für den Betrieb mit der Maschine freigegeben.
- Der Kran ist für den Betrieb auf der schwimmenden Konstruktion mit einer eigenen Betriebsart mit zugeordneter Lastmomentbegrenzung ausgestattet.
- Die schwimmende Konstruktion befindet sich in geschützten Gewässern (Flüsse, Häfen und kleinere Seen, bei denen die signifikante Wellenhöhe SWH maximal 0.5 m bzw. die Wellenhöhe WH maximal 0.7 m ist).



offenes Gewässer

geschütztes Gewässer

LR 1100.1 [8503.02]

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 13669693

	Hauptauslegerlänge 14 m				Hauptauslegerlänge 20 m				Hauptauslegerlänge 26 m				Hauptauslegerlänge 32 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
3.3	100.0															
4	90.2	90.2	83.6	75.7	88.7											
5	77.7	73.2	72.9	70.9	73.3	71.1	69.0	63.8	66.0	63.4						
6	64.8	60.6	60.5	60.2	59.9	58.4	56.9	55.5	54.8	53.2	51.6	50.1	50.4	48.7		
7	53.3	51.7	51.6	51.5	50.6	49.4	48.4	47.3	46.7	45.5	44.3	43.2	43.4	42.1	40.8	39.7
8	43.9	43.9	43.9	43.9	43.7	42.8	42.0	41.2	40.7	39.7	38.8	37.9	38.0	37.0	36.0	35.0
9	37.2	37.2	37.2	37.2	37.2	37.2	37.1	36.4	36.0	35.2	34.5	33.8	33.7	32.9	32.1	31.3
10	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	31.6	31.0	30.4	30.3	29.6	28.9	28.3
11	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.3	28.3	28.0	27.6	27.4	26.9	26.3	25.8
12	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.2	25.2	25.2	25.2	25.0	24.6	24.1	23.6
13	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.7	22.7	22.7	22.7	22.5	22.5	22.2	21.8
14	20.6	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.6	20.6	20.6	20.6	20.4	20.4	20.4	20.2
15					18.9	18.9	18.9	18.9	18.8	18.8	18.8	18.8	18.6	18.6	18.6	18.6
16					17.4	17.4	17.4	17.4	17.3	17.3	17.3	17.3	17.1	17.1	17.1	17.1
18					14.9	14.9	14.9	14.9	14.8	14.8	14.8	14.8	14.6	14.6	14.6	14.6
20					13.0	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.7	12.7	12.7	12.7
22									11.4	11.4	11.4	11.4	11.2	11.2	11.2	11.2
24									10.1	10.1	10.1	10.1	9.9	9.9	9.9	9.9
25									9.6	9.6	9.6	9.6	9.4	9.4	9.4	9.4
26									9.0	9.0	9.0	9.0	8.9	8.9	8.9	8.9
28													8.0	8.0	8.0	8.0
30													7.2	7.2	7.2	7.2
32													6.5	6.5	6.5	6.5
	Hauptauslegerlänge 38 m				Hauptauslegerlänge 44 m				Hauptauslegerlänge 50 m				Hauptauslegerlänge 62 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
6	46.6															
7	40.4	39.0			37.7				20.7							
8	35.6	34.5	33.5	32.5	33.3	32.2	31.3		26.6	26.6						
9	31.7	30.8	30.0	29.2	29.8	28.9	28.0	27.2	24.9	24.9	24.4		13.4			
10	28.6	27.8	27.1	26.4	26.9	26.2	25.4	24.7	23.5	23.5	23.0	21.0	12.5	12.5		
11	25.9	25.3	24.7	24.1	24.5	23.9	23.2	22.6	22.0	22.0	21.4	19.7	11.8	11.8	11.8	
12	23.7	23.2	22.7	22.2	22.4	21.9	21.3	20.8	20.8	20.7	20.1	18.7	11.1	11.1	11.1	11.5
13	21.8	21.4	20.9	20.5	20.7	20.2	19.7	19.2	19.6	19.1	18.6	17.8	10.3	10.3	10.3	10.6
14	20.2	19.8	19.4	19.0	19.1	18.7	18.3	17.8	18.1	17.7	17.2	16.6	9.7	9.7	9.7	9.9
15	18.4	18.4	18.0	17.7	17.8	17.4	17.0	16.6	16.8	16.4	16.0	15.6	9.2	9.2	9.2	9.3
16	16.9	16.9	16.8	16.5	16.6	16.2	15.9	15.5	15.7	15.3	15.0	14.6	8.7	8.7	8.7	8.7
18	14.4	14.4	14.4	14.4	14.2	14.2	14.0	13.7	13.8	13.4	13.2	12.9	7.7	7.7	7.6	7.5
20	12.5	12.5	12.5	12.5	12.2	12.2	12.2	12.2	12.0	11.9	11.7	11.4	6.9	6.9	6.8	6.5
22	11.0	11.0	11.0	11.0	10.7	10.7	10.7	10.7	10.5	10.5	10.4	10.2	6.3	6.2	6.0	5.7
24	9.7	9.7	9.7	9.7	9.5	9.5	9.5	9.5	9.2	9.2	9.2	9.2	5.6	5.4	5.1	4.9
26	8.7	8.7	8.7	8.7	8.4	8.4	8.4	8.4	8.2	8.2	8.2	8.2	5.1	4.6	4.4	4.2
28	7.8	7.8	7.8	7.8	7.6	7.6	7.6	7.6	7.3	7.3	7.3	7.3	4.6	3.9	3.7	3.6
30	7.0	7.0	7.0	7.0	6.8	6.8	6.8	6.8	6.5	6.5	6.5	6.5	4.2	3.4	3.2	3.1
32	6.4	6.4	6.4	6.4	6.1	6.1	6.1	6.1	5.9	5.9	5.9	5.9	4.0	3.1	2.9	2.8
34	5.8	5.8	5.8	5.8	5.5	5.5	5.5	5.5	5.3	5.3	5.3	5.3	3.9	2.8	2.6	2.5
36	5.2	5.2	5.2	5.2	5.0	5.0	5.0	5.0	4.8	4.8	4.8	4.8	3.7	2.5	2.4	2.3
38	4.8	4.8	4.8	4.8	4.6	4.6	4.6	4.6	4.3	4.3	4.3	4.3	3.6	2.2	2.1	2.1
40					4.2	4.2	4.2	4.2	3.9	3.9	3.9	3.9	3.4	2.0		
44					3.4	3.4	3.4	3.4	3.2	3.2	3.2	3.2	2.7			
45									3.0	3.0	3.0	3.0	2.5			
46									2.9	2.9	2.9	2.9	2.4			
48									2.6	2.6	2.6	2.6	2.1			
50																

Zentralballast: 19.2 t mit 900 mm Flachbodenplatten

Heckballast:

26.3 t 29.3 t 32.3 t

LR 1110 [1001.02]

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11943069

	Hauptauslegerlänge 14 m				Hauptauslegerlänge 17 m				Hauptauslegerlänge 20 m				Hauptauslegerlänge 23 m					
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°		
Radius [m]	2.5	115.5																
	3	115.5	115.5	108.6					97.3	85.4			92.2					
	4	115.5	113.1	105.9	85.9	110.4	106.5	100.3	93.1	96.2	85.4	84.7	78.0	91.7	86.7	81.2	74.8	
	5	89.7	87.5	85.3	83.3	84.4	82.1	79.8	77.7	79.8	77.3	75.0	72.8	75.6	73.1	70.7	68.5	
	6	71.8	70.3	68.9	67.5	68.2	66.6	65.1	63.6	65.0	63.4	61.8	60.2	62.1	60.4	58.7	57.1	
	7	57.8	57.8	57.7	56.7	57.1	56.0	54.9	53.8	54.8	53.6	52.4	51.3	52.6	51.3	50.1	48.9	
	8	47.5	47.5	47.5	47.5	47.5	47.5	47.4	46.6	47.2	46.3	45.4	44.5	45.5	44.5	43.6	42.6	
	9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.0	39.3	40.0	39.2	38.5	37.8	
	10	34.8	34.8	34.8	34.8	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.6	34.6	34.4	33.8	
	11	30.6	30.6	30.6	30.6	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.4	30.4	30.4	30.4	
	12	27.2	27.2	27.2	27.2	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.0	27.0	27.0	27.0	
	13	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.3	24.3	24.3	24.3	
	14	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.0	22.0	22.0	22.0	
	15					20.2	20.2	20.2	20.2	20.1	20.1	20.1	20.1	20.0	20.0	20.0	20.0	
	16					18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.4	18.4	18.4	18.4	
	18									15.8	15.8	15.8	15.8	15.7	15.7	15.7	15.7	
	20									13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.6	
	22													12.0	12.0	12.0	12.0	
	Radius [m]		Hauptauslegerlänge 26 m				Hauptauslegerlänge 29 m				Hauptauslegerlänge 32 m				Hauptauslegerlänge 35 m			
			0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
		3	86.3				82.0											
		4	86.3	86.3	76.1		82.0	81.2	71.6		70.8	70.3			61.6	61.6		
5		71.8	69.3	66.9	62.0	68.3	65.8	63.4	58.4	65.1	62.6	58.8	50.5	60.8	59.7	54.2	44.8	
6		59.5	57.7	56.0	54.4	57.0	55.1	53.4	51.8	54.6	52.8	51.0	47.7	52.5	50.6	48.8	42.6	
7		50.6	49.3	48.0	46.8	48.7	47.3	46.0	44.8	46.9	45.5	44.2	42.9	45.2	43.8	42.4	40.0	
8		44.0	42.9	42.0	41.0	42.5	41.4	40.4	39.4	41.0	39.9	38.9	37.8	39.7	38.5	37.4	36.4	
9		38.8	38.0	37.2	36.4	37.6	36.7	35.8	35.0	36.4	35.5	34.6	33.8	35.2	34.3	33.4	32.6	
10		34.6	34.0	33.3	32.7	33.6	32.9	32.2	31.5	32.6	31.9	31.2	30.5	31.6	30.9	30.1	29.4	
11		30.4	30.4	30.2	29.6	30.3	29.8	29.2	28.6	29.5	28.9	28.3	27.7	28.6	28.0	27.4	26.8	
12		27.0	27.0	27.0	27.0	26.9	26.9	26.6	26.1	26.8	26.3	25.8	25.3	26.1	25.6	25.0	24.5	
13		24.3	24.3	24.3	24.3	24.2	24.2	24.2	24.0	24.1	24.1	23.7	23.3	24.0	23.5	23.0	22.6	
14		22.0	22.0	22.0	22.0	21.9	21.9	21.9	21.9	21.8	21.8	21.8	21.6	21.7	21.7	21.3	20.9	
15		20.0	20.0	20.0	20.0	19.9	19.9	19.9	19.9	19.8	19.8	19.8	19.8	19.7	19.7	19.7	19.4	
16		18.4	18.4	18.4	18.4	18.3	18.3	18.3	18.3	18.2	18.2	18.2	18.2	18.1	18.1	18.1	18.1	
18		15.7	15.7	15.7	15.7	15.6	15.6	15.6	15.6	15.5	15.5	15.5	15.5	15.4	15.4	15.4	15.4	
20		13.6	13.6	13.6	13.6	13.5	13.5	13.5	13.5	13.4	13.4	13.4	13.4	13.3	13.3	13.3	13.3	
22		12.0	12.0	12.0	12.0	11.9	11.9	11.9	11.9	11.8	11.8	11.8	11.8	11.6	11.6	11.6	11.6	
24		10.6	10.6	10.6	10.6	10.5	10.5	10.5	10.5	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.3	
25		10.0	10.0	10.0	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8	9.8	9.7	9.7	9.7	9.7	
26		9.4	9.4	9.4	9.4	9.3	9.3	9.3	9.3	9.2	9.2	9.2	9.2	9.1	9.1	9.1	9.1	
28					8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.2	8.2	8.2	8.2		
30									7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.3		
32									6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.6		
34													6.0	6.0	6.0	6.0		
35													5.6	5.6	5.6	5.6		

Zentralballast: 17.5 t mit 900 mm Flachbodenplatten

Heckballast:

34.0 t

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11943069

	Hauptauslegerlänge 38 m				Hauptauslegerlänge 41 m				Hauptauslegerlänge 44 m				Hauptauslegerlänge 47 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
4	53.5	53.5			48.3				41.9				40.8			
5	53.5	53.5	44.4		48.3	48.3	39.8		41.9	41.9	35.9		40.8	40.8		
6	50.5	48.6	42.3	36.3	46.1	46.1	38.3	33.1	40.8	40.8	35.1	30.5	40.6	40.6	36.9	
7	43.7	42.2	40.3	34.7	42.2	40.7	36.5	31.6	39.0	39.0	33.2	29.0	39.3	37.9	35.9	30.0
8	38.4	37.3	36.2	33.1	37.2	36.0	34.3	29.9	36.0	34.8	31.3	26.4	34.9	33.7	32.5	29.2
9	34.2	33.3	32.3	31.5	33.2	32.2	31.3	28.6	32.2	31.2	29.5	24.1	31.2	30.2	29.3	28.0
10	30.8	30.0	29.2	28.5	29.9	29.0	28.3	27.0	29.0	28.2	27.4	22.3	28.2	27.3	26.5	25.7
11	27.9	27.2	26.6	25.9	27.1	26.4	25.8	24.8	26.4	25.7	25.0	21.0	25.6	24.9	24.2	23.5
12	25.5	24.9	24.3	23.8	24.8	24.2	23.6	22.9	24.1	23.5	22.9	19.9	23.4	22.8	22.2	21.6
13	23.4	22.9	22.4	21.9	22.8	22.2	21.7	21.2	22.2	21.6	21.1	18.9	21.6	21.0	20.5	20.0
14	21.6	21.1	20.7	20.3	21.0	20.5	20.1	19.7	20.5	20.0	19.5	18.2	19.9	19.4	19.0	18.5
15	19.7	19.6	19.2	18.9	19.5	19.1	18.7	18.3	19.0	18.6	18.1	17.4	18.5	18.0	17.6	17.2
16	18.0	18.0	17.9	17.6	17.9	17.7	17.4	17.0	17.6	17.3	16.9	16.6	17.2	16.8	16.4	16.0
18	15.3	15.3	15.3	15.3	15.2	15.2	15.2	15.0	15.1	15.1	14.8	14.5	15.0	14.7	14.4	14.1
20	13.2	13.2	13.2	13.2	13.1	13.1	13.1	13.1	13.0	13.0	13.0	12.8	12.8	12.8	12.7	12.4
22	11.6	11.6	11.6	11.6	11.5	11.5	11.5	11.5	11.4	11.4	11.4	11.4	11.2	11.2	11.2	11.1
24	10.2	10.2	10.2	10.2	10.1	10.1	10.1	10.1	10.0	10.0	10.0	10.0	9.8	9.8	9.8	9.8
26	9.1	9.1	9.1	9.1	8.9	8.9	8.9	8.9	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7
28	8.1	8.1	8.1	8.1	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.7	7.7	7.7	7.7
30	7.3	7.3	7.3	7.3	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.9
32	6.5	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.2
34	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.5	5.5	5.5	5.5
36	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	5.0
38	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5
40					4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.0	4.0	4.0	4.0
42									3.8	3.8	3.8	3.8	3.6	3.6	3.6	3.6
44									3.4	3.4	3.4	3.4	3.2	3.2	3.2	3.2
46													2.9	2.9	2.9	2.9
	Hauptauslegerlänge 53 m				Hauptauslegerlänge 59 m				Hauptauslegerlänge 65 m				Hauptauslegerlänge 71 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
4	30.7				24.5											
5	30.7	30.7			24.5				19.3				16.2			
6	30.7	30.7	27.2		24.5	22.7			19.3	19.3			16.2	15.4		
7	30.0	30.0	25.9	21.1	24.4	22.6	19.7		19.3	19.3	16.9		16.2	15.4	13.4	
8	29.2	29.2	24.1	20.6	23.6	21.9	19.0	16.6	18.9	18.9	16.6	14.4	16.1	15.4	13.4	
9	28.4	28.4	23.3	20.2	23.0	21.4	18.6	16.3	18.4	18.4	16.4	14.2	15.6	15.0	13.0	11.5
10	26.6	25.8	22.8	19.7	22.2	20.9	18.1	15.8	18.0	18.0	16.1	14.0	15.1	14.8	12.8	11.3
11	24.3	23.5	22.4	19.4	21.5	20.3	17.6	15.4	17.6	17.6	15.8	13.7	14.7	14.5	12.5	11.1
12	22.2	21.6	20.9	19.0	21.0	19.9	17.2	15.0	17.1	17.1	15.6	13.5	14.3	14.1	12.3	10.8
14	18.9	18.4	17.9	17.4	17.9	17.4	16.3	14.4	16.5	16.4	15.2	13.2	13.6	13.5	12.0	10.4
16	16.3	15.9	15.5	15.1	15.4	15.0	14.6	13.8	14.6	14.2	13.7	12.4	13.0	12.9	11.7	10.1
18	14.2	13.9	13.6	13.2	13.4	13.1	12.8	12.4	12.7	12.4	12.1	11.7	12.0	11.6	11.0	9.7
20	12.5	12.2	12.0	11.8	11.9	11.6	11.3	11.0	11.2	10.9	10.6	10.3	10.6	10.2	9.9	9.4
22	11.0	10.9	10.7	10.4	10.5	10.3	10.0	9.8	9.9	9.6	9.4	9.1	9.3	9.0	8.7	8.5
24	9.6	9.6	9.5	9.3	9.3	9.1	8.9	8.7	8.8	8.5	8.3	8.1	8.2	8.0	7.7	7.5
26	8.5	8.5	8.5	8.4	8.2	8.1	8.0	7.8	7.8	7.6	7.4	7.2	7.2	7.0	6.8	6.6
28	7.5	7.5	7.5	7.5	7.3	7.3	7.1	7.0	6.9	6.8	6.6	6.4	6.4	6.2	6.0	5.9
30	6.7	6.7	6.7	6.7	6.4	6.4	6.4	6.2	6.2	6.0	5.9	5.7	5.7	5.5	5.4	5.2
32	6.0	6.0	6.0	6.0	5.7	5.7	5.7	5.6	5.5	5.4	5.2	5.1	5.0	4.9	4.7	4.6
34	5.3	5.3	5.3	5.3	5.1	5.1	5.1	5.0	4.8	4.8	4.7	4.6	4.4	4.3	4.2	4.1
36	4.8	4.8	4.8	4.8	4.5	4.5	4.5	4.5	4.3	4.3	4.2	4.1	3.9	3.8	3.7	3.6
38	4.3	4.3	4.3	4.3	4.0	4.0	4.0	4.0	3.8	3.8	3.7	3.6	3.4	3.4	3.2	3.2
40	3.8	3.8	3.8	3.8	3.6	3.6	3.6	3.6	3.3	3.3	3.3	3.2	3.0	2.9	2.8	2.8
42	3.4	3.4	3.4	3.4	3.2	3.2	3.2	3.2	2.9	2.9	2.9	2.8	2.6	2.6	2.5	2.4
44	3.0	3.0	3.0	3.0	2.8	2.8	2.8	2.8	2.6	2.6	2.6	2.5	2.3	2.2	2.1	2.0
46	2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2				
48	2.4	2.4	2.4	2.4	2.2	2.2	2.2	2.2								
50	2.1	2.1	2.1	2.1												

LR 1130.1 [1002.04]

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11962137

	Hauptauslegerlänge 17 m				Hauptauslegerlänge 20 m				Hauptauslegerlänge 23 m				Hauptauslegerlänge 26 m				
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	
Radius [m]	2.8	137.2															
	3	137.2			137.2				131.1								
	4	137.2	119.3	111.4	99.5	137.2	106.2	97.5	86.7	131.1	104.0	90.4		119.2	97.3	24.0	
	5	116.9	108.3	104.4	86.4	114.3	99.6	89.9	76.0	112.7	99.2	79.6	75.2	107.8	85.8	71.3	61.3
	6	98.6	93.1	91.5	75.3	97.4	91.7	80.4	68.5	94.9	86.2	70.7	67.5	92.5	75.4	64.9	56.5
	7	85.7	80.6	80.5	67.2	83.6	79.1	72.0	63.1	82.6	76.7	64.8	61.9	81.2	68.4	60.6	53.0
	8	75.0	70.3	70.2	61.9	74.2	70.5	66.0	59.0	72.4	68.6	60.2	57.2	71.2	62.8	56.1	48.2
	9	66.8	62.5	62.4	57.9	66.0	62.3	59.9	52.9	65.2	62.4	56.3	53.2	63.6	58.5	52.6	44.5
	10	60.5	56.4	56.4	53.8	59.5	55.9	55.1	48.1	58.6	55.9	51.6	47.7	57.8	54.6	49.3	41.7
	11	54.1	51.0	51.0	49.6	54.2	51.0	51.0	44.8	53.3	50.6	47.7	43.3	52.6	49.7	45.3	39.0
	12	47.9	46.6	46.6	46.3	47.9	46.5	46.5	42.6	47.9	46.5	44.8	39.9	47.9	45.6	42.0	36.8
	13	42.9	42.9	42.9	42.9	42.9	42.6	42.6	40.7	42.9	42.7	41.4	38.1	42.8	42.4	39.3	35.1
	14	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.5	36.4	38.7	38.7	37.0	33.7
	15	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.0	35.3	35.3	34.7	32.5
	16	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.3	31.4
	18					27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.6	27.6	27.6	27.6
	20					24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
	22									21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.1
24													18.7	18.7	18.7	18.7	
25													17.7	17.7	17.7	17.7	
26													16.8	16.8	16.8	16.8	
Radius [m]		Hauptauslegerlänge 29 m				Hauptauslegerlänge 32 m				Hauptauslegerlänge 35 m				Hauptauslegerlänge 38 m			
		0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
	4	109.4	78.8			99.2	74.1			91.7				79.9			
	5	103.1	72.9	65.4	58.1	97.3	71.9	61.1	51.1	91.7	66.2	55.6		79.9	58.8	50.6	
	6	90.8	65.1	60.4	53.3	88.0	62.9	56.7	46.4	83.7	60.5	52.0	46.9	75.0	55.8	47.0	39.6
	7	78.9	60.2	56.1	48.4	76.5	57.5	52.6	43.3	74.9	54.4	48.0	43.6	69.2	51.8	43.6	37.6
	8	70.3	55.6	52.1	45.2	68.4	53.8	49.7	41.1	66.5	48.8	44.3	41.1	62.5	46.4	40.9	35.5
	9	62.7	50.6	47.7	42.4	61.3	48.9	45.7	38.6	60.4	44.9	41.6	38.9	57.6	42.4	38.9	33.9
	10	56.8	46.6	44.4	40.4	55.3	44.6	42.2	36.5	54.5	41.5	38.9	36.3	52.8	39.2	36.6	32.0
	11	52.0	43.6	41.6	38.1	50.6	41.3	39.4	34.9	49.7	38.8	36.8	34.2	48.1	36.4	34.3	30.3
	12	47.6	40.8	39.1	35.6	46.7	38.6	37.0	33.0	45.9	36.6	35.0	32.6	44.2	34.0	32.4	28.9
	13	42.8	38.5	36.9	33.4	42.8	36.2	34.7	31.1	42.5	34.4	33.1	29.9	41.1	32.1	30.9	27.7
	14	38.7	36.5	35.1	31.7	38.6	34.1	32.7	29.4	38.6	32.3	31.0	27.1	38.3	29.7	28.5	25.6
	15	35.3	34.7	33.4	30.3	35.2	32.3	31.0	27.9	35.1	30.5	29.3	24.7	35.0	27.3	26.2	23.6
	16	32.3	32.3	31.6	29.3	32.2	30.9	29.7	26.7	32.2	28.9	27.7	22.6	32.0	25.2	24.1	21.7
	18	27.6	27.6	27.6	27.4	27.5	27.5	26.6	24.1	27.4	26.3	25.2	20.2	27.3	21.8	20.7	18.8
	20	24.0	24.0	24.0	24.0	23.9	23.9	23.9	21.9	23.8	23.8	22.8	19.2	23.7	20.4	19.2	17.5
	22	21.1	21.1	21.1	21.1	21.0	21.0	21.0	20.2	20.9	20.9	20.8	18.4	20.8	19.5	18.2	16.6
	24	18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.4	18.6	18.6	18.6	17.5	18.5	18.5	17.4	15.9
	25	17.8	17.8	17.8	17.8	17.7	17.7	17.7	17.6	17.6	17.6	17.6	16.8	17.4	17.4	17.1	15.6
26	16.8	16.8	16.8	16.8	16.7	16.7	16.7	16.7	16.6	16.6	16.6	16.0	16.5	16.5	16.5	15.1	
28	15.2	15.2	15.2	15.2	15.1	15.1	15.1	15.1	15.0	15.0	15.0	14.7	14.9	14.9	14.9	13.8	
30					13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.6	13.5	13.5	13.5	12.6	
32					12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.3	12.3	12.3	12.0	
34									11.4	11.4	11.4	11.4	11.2	11.2	11.2	11.2	
35									10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
36													10.3	10.3	10.3	10.3	
38													9.4	9.4	9.4	9.3	

Zentralballast: 20.0 t mit 1000 mm Flachbodenplatten

Heckballast:

52.3 t

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11962137

	Hauptauslegerlänge 41 m				Hauptauslegerlänge 47 m				Hauptauslegerlänge 53 m				Hauptauslegerlänge 59 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
4	70.6				57.1											
5	70.6	50.9			57.1	41.1			49.5	36.6			41.6			
6	68.0	48.6	42.8	38.0	57.1	41.1	37.0		49.5	36.6	32.6		41.6	32.1		
7	63.1	44.5	40.7	36.3	52.8	38.3	35.0	31.7	48.4	36.0	32.0	28.0	41.6	32.1	27.7	
8	58.3	41.3	38.2	34.2	49.3	36.1	33.4	30.1	46.2	34.6	30.9	27.1	40.2	31.2	26.9	22.3
9	54.4	38.8	36.3	32.6	45.5	33.5	31.3	28.3	44.2	33.4	30.0	25.9	38.9	30.4	26.2	21.9
10	51.4	36.8	34.7	31.1	42.5	31.4	29.6	26.9	42.0	32.2	28.9	24.4	37.4	29.5	25.1	21.3
11	46.9	34.3	32.4	28.4	40.2	29.9	28.3	25.7	40.1	31.1	28.1	23.2	35.9	28.6	23.9	20.7
12	43.1	32.1	30.5	26.0	37.6	27.2	25.8	23.6	38.6	30.3	27.4	22.3	34.6	27.8	22.9	20.2
13	40.0	30.2	28.8	24.0	35.3	24.7	23.7	21.7	36.1	28.6	25.9	21.4	33.6	27.2	22.0	19.9
14	37.5	28.8	27.6	23.4	33.3	22.6	21.8	20.1	33.5	26.8	24.4	20.6	31.9	25.9	21.2	19.1
16	32.0	24.6	23.6	20.3	30.3	19.5	19.0	17.7	29.1	24.0	21.9	19.2	27.9	22.6	19.4	17.4
18	27.2	21.2	20.3	17.9	27.0	17.4	17.0	15.8	26.0	22.3	20.0	18.0	24.8	20.0	18.0	16.2
20	23.6	18.8	18.0	16.3	23.4	15.8	15.4	14.3	23.2	20.2	18.2	16.3	22.4	18.2	16.8	15.0
22	20.7	18.0	17.0	15.5	20.5	14.4	14.2	13.1	20.3	18.5	16.6	14.9	20.0	16.7	15.3	13.6
24	18.4	17.3	16.1	14.7	18.2	13.7	13.4	12.3	17.9	17.1	15.3	13.8	17.6	15.4	14.0	12.5
26	16.5	16.5	15.4	14.1	16.2	13.2	12.7	12.0	16.0	15.9	14.3	12.9	15.7	14.3	12.9	11.8
28	14.8	14.8	14.5	13.3	14.6	12.7	12.1	11.4	14.3	14.3	13.4	12.2	14.0	13.4	12.1	11.2
30	13.4	13.4	13.4	12.2	13.2	12.4	11.9	10.9	12.9	12.9	12.6	12.0	12.6	12.3	11.7	10.5
32	12.2	12.2	12.2	11.6	12.0	12.0	11.3	10.3	11.8	11.8	11.8	11.4	11.5	11.5	10.9	9.9
34	11.2	11.2	11.2	10.7	11.0	11.0	10.4	9.4	10.7	10.7	10.7	10.7	10.4	10.4	10.2	9.4
36	10.3	10.3	10.3	9.9	10.0	10.0	9.5	8.6	9.8	9.8	9.8	9.8	9.5	9.5	9.5	8.9
38	9.4	9.4	9.4	9.1	9.2	9.2	8.7	7.8	9.0	9.0	9.0	9.0	8.7	8.7	8.7	8.5
40	8.7	8.7	8.7	8.3	8.4	8.4	8.0	7.2	8.2	8.2	8.2	8.2	7.9	7.9	7.9	7.9
42					7.8	7.8	7.4	6.6	7.6	7.6	7.6	7.6	7.3	7.3	7.3	7.3
46					6.6	6.6	6.2	5.4	6.4	6.4	6.4	6.4	6.1	6.1	6.1	6.1
50									5.4	5.4	5.4	5.4	5.2	5.2	5.2	5.2
55													4.2	4.2	4.2	4.1
	Hauptauslegerlänge 62 m				Hauptauslegerlänge 68 m				Hauptauslegerlänge 74 m				Hauptauslegerlänge 80 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	36.7				29.1				23.9				18.9			
6	36.7	30.6			29.1	22.2			23.9				18.9			
7	36.7	30.6	26.0		29.1	22.2	19.8		23.9	18.8			18.9	14.7		
8	35.7	30.0	24.8	19.8	29.0	22.1	19.7		23.9	18.8	16.8		18.9	14.7	13.4	
9	34.3	29.3	23.3	19.4	27.7	21.4	19.1	16.3	23.3	18.5	16.5	14.0	18.8	14.7	13.4	
10	33.2	28.4	22.4	19.0	26.7	20.8	18.7	16.0	22.4	18.0	16.1	13.6	18.0	14.1	12.8	11.2
11	31.8	26.7	21.9	18.5	25.8	20.3	18.2	15.6	21.8	17.7	15.8	13.4	17.4	13.6	12.4	10.8
12	30.6	25.4	21.4	18.0	24.8	19.7	17.7	15.1	21.0	17.2	15.4	13.0	16.9	13.2	12.1	10.6
13	29.6	24.2	21.0	17.7	23.9	19.2	17.3	14.8	20.2	16.8	15.1	12.7	16.2	12.6	11.9	10.3
14	28.8	23.3	20.6	17.4	23.1	18.8	16.9	14.4	19.6	16.4	14.8	12.4	15.6	12.1	11.4	9.9
16	25.7	22.2	19.6	16.6	21.6	17.9	16.2	13.8	18.6	15.8	14.3	12.0	14.7	11.5	10.6	9.4
18	23.2	21.3	18.8	16.0	20.0	17.0	15.4	13.1	17.4	15.1	13.7	11.5	13.8	10.8	10.0	9.0
20	21.2	20.6	18.2	15.6	18.6	16.3	14.8	12.6	16.2	14.5	13.1	11.0	12.9	9.8	9.2	8.2
22	19.3	18.9	16.9	14.5	17.6	15.8	14.3	12.2	15.3	14.0	12.6	10.6	12.0	9.0	8.5	7.6
24	17.5	17.2	15.6	13.5	16.2	14.8	13.4	11.6	14.6	13.5	12.3	10.3	11.4	8.4	7.9	7.0
26	15.6	15.6	14.4	12.6	14.8	13.8	12.5	11.0	13.5	12.6	11.6	9.6	10.8	7.8	7.4	6.6
28	13.9	13.9	13.4	12.1	13.6	12.9	12.0	10.4	12.5	11.6	10.6	8.9	10.2	7.2	6.8	6.0
30	12.5	12.5	12.5	11.7	12.2	12.1	11.4	9.9	11.6	10.7	9.8	8.3	9.6	6.6	6.2	5.5
32	11.4	11.4	11.4	10.7	11.1	11.1	10.8	9.5	10.7	10.0	9.0	7.7	9.1	6.0	5.7	5.0
34	10.3	10.3	10.3	9.8	10.0	10.0	10.0	8.8	9.7	9.4	8.4	7.3	8.7	5.5	5.3	4.6
36	9.4	9.4	9.4	9.0	9.1	9.1	9.1	8.1	8.8	8.8	7.8	6.8	8.3	5.1	4.9	4.2
38	8.5	8.5	8.5	8.3	8.3	8.3	8.3	7.5	8.0	8.0	7.2	6.3	7.5	4.8	4.6	4.0
42	7.1	7.1	7.1	7.1	6.9	6.9	6.9	6.4	6.6	6.6	6.0	5.4	6.2	4.3	4.1	3.5
46	6.0	6.0	6.0	6.0	5.7	5.7	5.7	5.5	5.4	5.4	5.1	4.7	5.1	3.9	3.7	3.1
50	5.0	5.0	5.0	5.0	4.8	4.8	4.8	4.6	4.4	4.4	4.3	4.0	4.2	3.6	3.4	2.7
55	4.0	4.0	4.0	4.0	3.8	3.8	3.7	3.6	3.4	3.4	3.3	3.0	3.2	2.8	2.7	
60	3.2	3.2	3.2	3.2	2.9	2.9	2.9	2.9	2.6	2.5	2.5	2.2	2.4			
65					2.2	2.1	2.1	2.1								

LR 1160.1 [1003.04]

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11962119

	Hauptauslegerlänge 17 m				Hauptauslegerlänge 20 m				Hauptauslegerlänge 23 m				Hauptauslegerlänge 25.7 m				
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	
Radius [m]	3.1	137.0															
	4	137.0	133.6	129.4	123.9	137.0	135.6	124.3		137.0	130.4			137.0	116.9		
	5	137.0	123.5	122.8	120.1	137.0	126.0	120.0	111.6	137.0	127.9	117.3	108.4	137.0	115.1	107.8	91.4
	6	134.5	114.6	114.6	113.8	137.0	115.5	115.2	109.2	132.2	119.1	113.8	104.1	131.0	110.2	99.8	84.2
	7	130.7	106.5	106.5	106.4	122.6	104.0	104.0	101.3	122.8	111.1	108.6	98.6	118.4	105.4	91.6	78.8
	8	113.2	99.2	99.2	99.2	108.9	95.8	95.8	95.6	104.8	101.7	100.0	90.5	101.6	97.3	85.4	73.1
	9	93.8	93.0	93.0	93.0	93.9	90.0	90.0	89.4	91.4	89.5	87.7	84.8	88.8	86.8	80.5	68.4
	10	79.9	79.9	79.9	79.9	80.0	80.0	80.0	79.4	80.0	79.4	77.9	76.5	78.8	77.3	75.7	65.6
	11	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	68.9	69.6	69.5	68.3	64.8
	12	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.1
	13	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0
	14	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7
	15	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
	16	41.3	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.5	41.5	41.5
	18	35.1	35.1	35.1	35.1	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.5	35.5	35.5	35.5
	20					30.7	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.9	30.9	30.9	30.9
	22									27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2
	24									24.0	24.0	24.0	24.0	24.2	24.2	24.2	24.2
	25													22.9	22.9	22.9	22.9
	26													21.7	21.7	21.7	21.7
	Hauptauslegerlänge 28.7 m				Hauptauslegerlänge 31.7 m				Hauptauslegerlänge 34.7 m				Hauptauslegerlänge 40.4 m				
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	
Radius [m]	4	137.0	113.3		137.0				126.4				106.1				
	5	136.3	112.6	105.1	91.2	137.0	110.8	99.5		126.4	107.4	86.7		106.1	80.1		
	6	131.2	109.0	99.7	82.2	129.4	108.9	89.5	76.6	122.9	102.1	81.5	71.2	104.8	78.6	66.3	56.5
	7	113.8	101.8	89.9	76.6	109.5	99.5	83.6	71.0	105.4	95.0	76.3	67.0	98.5	74.3	63.2	54.1
	8	98.0	95.4	83.0	72.0	94.7	91.4	79.3	67.0	91.6	87.1	71.7	63.6	86.2	69.3	59.8	50.4
	9	86.0	84.0	76.5	66.7	83.4	81.3	74.0	63.1	80.9	78.7	68.2	60.8	76.5	65.0	57.0	47.4
	10	76.6	74.9	71.4	62.6	74.4	72.7	69.0	59.7	72.3	70.5	64.2	57.1	68.7	61.8	54.8	45.2
	11	68.9	67.5	66.2	60.1	67.1	65.7	64.3	57.0	65.3	63.9	60.8	54.0	62.3	58.3	51.3	42.9
	12	61.4	61.4	60.3	58.7	61.0	59.8	58.7	55.1	59.5	58.3	57.1	51.6	56.9	55.3	48.3	41.0
	13	54.9	54.9	54.9	54.4	54.9	54.9	53.9	53.0	54.6	53.5	52.5	49.8	52.3	51.2	45.8	39.5
	14	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.0	49.4	49.4	48.6	47.7	48.4	47.4	43.8	38.2
	15	45.2	45.2	45.2	45.2	45.1	45.1	45.1	45.1	45.0	45.0	45.0	44.4	44.9	44.1	42.5	37.7
	16	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.2	41.2	41.2	41.2	41.1	41.1	40.4	37.2
	18	35.4	35.4	35.4	35.4	35.3	35.3	35.3	35.3	35.2	35.2	35.2	35.2	35.1	35.1	35.1	35.1
	20	30.8	30.8	30.8	30.8	30.7	30.7	30.7	30.7	30.6	30.6	30.6	30.6	30.4	30.4	30.4	30.4
	22	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	26.9	26.9	26.9	26.9	26.8	26.8	26.8	26.8
	24	24.2	24.2	24.2	24.2	24.1	24.1	24.1	24.1	24.0	24.0	24.0	24.0	23.8	23.8	23.8	23.8
	25	22.9	22.9	22.9	22.9	22.8	22.8	22.8	22.8	22.7	22.7	22.7	22.7	22.6	22.6	22.6	22.6
	26	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.5	21.5	21.5	21.5	21.4	21.4	21.4	21.4
	28	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.5	19.5	19.5	19.5	19.3	19.3	19.3	19.3
30					17.8	17.8	17.8	17.8	17.7	17.7	17.7	17.7	17.6	17.6	17.6	17.6	
32					16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.0	16.0	16.0	16.0	
34									14.8	14.8	14.8	14.8	14.7	14.7	14.7	14.7	
35									14.2	14.2	14.2	14.2	14.1	14.1	14.1	14.1	
36													13.5	13.5	13.5	13.5	
38													12.5	12.5	12.5	12.5	
40													11.6	11.6	11.6	11.6	

Zentralballast: 20.0 t mit 1000 mm Flachbodenplatten

Heckballast:

62.3 t

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11962119

	Hauptauslegerlänge 46.4 m				Hauptauslegerlänge 52.1 m				Hauptauslegerlänge 58.1 m				Hauptauslegerlänge 63.8 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	86.4	67.2			70.3				58.0				46.7			
6	86.4	67.2	58.1		70.3	54.6			58.0	43.9			46.7	36.9		
7	82.7	63.9	55.8	47.2	69.5	53.8	44.8	38.1	58.0	43.9	38.7		46.7	36.9	32.4	
8	78.9	60.8	53.6	44.4	66.4	51.3	43.0	36.7	56.0	42.0	37.0	32.0	46.3	36.3	31.9	24.0
9	72.1	57.0	49.7	42.0	63.7	48.9	41.3	35.4	53.8	40.3	35.6	30.8	44.5	34.6	30.5	24.6
10	65.2	54.0	46.7	40.0	59.9	45.6	39.4	33.9	51.5	38.3	34.0	29.4	43.3	33.4	29.5	23.1
12	54.3	48.4	42.0	36.6	52.0	41.0	36.7	31.8	46.6	34.6	31.1	27.0	39.0	29.9	25.4	21.2
14	46.3	42.6	38.0	33.3	44.5	36.9	33.4	27.9	42.6	31.4	28.4	24.7	35.8	27.4	22.6	19.8
16	40.2	38.6	35.3	31.1	38.7	33.6	30.6	24.9	37.1	27.2	24.8	21.8	32.6	24.2	20.4	18.0
18	34.8	34.8	33.8	30.0	34.1	31.4	28.6	23.3	32.8	24.0	22.1	19.5	29.6	21.2	18.6	16.5
20	30.2	30.2	30.2	29.2	30.0	29.7	26.5	22.4	29.2	22.3	20.4	18.2	27.2	18.9	17.2	15.3
22	26.5	26.5	26.5	26.5	26.3	26.3	24.8	21.7	26.0	21.2	19.6	17.6	25.2	17.6	16.3	14.6
24	23.6	23.6	23.6	23.6	23.4	23.4	23.4	21.1	23.1	20.2	19.0	17.1	22.8	16.8	15.7	14.1
26	21.1	21.1	21.1	21.1	20.9	20.9	20.9	20.0	20.6	19.5	18.4	16.7	20.4	16.1	15.1	13.6
28	19.1	19.1	19.1	19.1	18.8	18.8	18.8	18.6	18.6	18.6	17.7	16.1	18.3	15.6	14.6	13.3
30	17.3	17.3	17.3	17.3	17.1	17.1	17.1	17.1	16.8	16.8	16.4	14.9	16.6	15.1	14.2	12.9
32	15.8	15.8	15.8	15.8	15.6	15.6	15.6	15.6	15.3	15.3	15.2	13.8	15.0	13.9	13.2	12.1
34	14.5	14.5	14.5	14.5	14.2	14.2	14.2	14.2	14.0	14.0	14.0	12.8	13.7	12.9	12.2	11.3
36	13.3	13.3	13.3	13.3	13.1	13.1	13.1	13.1	12.8	12.8	12.8	12.0	12.5	12.1	11.5	10.4
38	12.3	12.3	12.3	12.3	12.1	12.1	12.1	12.1	11.8	11.8	11.8	11.5	11.6	11.2	10.7	9.6
40	11.4	11.4	11.4	11.4	11.2	11.2	11.2	11.2	10.9	10.9	10.9	10.8	10.6	10.5	10.0	9.0
42	10.5	10.5	10.5	10.5	10.3	10.3	10.3	10.3	10.0	10.0	10.0	10.0	9.8	9.8	9.3	8.4
44	9.8	9.8	9.8	9.8	9.6	9.6	9.6	9.6	9.3	9.3	9.3	9.3	9.0	9.0	8.6	7.8
46	9.1	9.1	9.1	9.1	8.9	8.9	8.9	8.9	8.6	8.6	8.6	8.6	8.4	8.4	8.0	7.2
48					8.3	8.3	8.3	8.3	8.0	8.0	8.0	8.0	7.7	7.7	7.4	6.6
50					7.7	7.7	7.7	7.7	7.4	7.4	7.4	7.4	7.2	7.2	6.8	6.1
55									6.2	6.2	6.2	6.2	5.9	5.9	5.7	5.0
60													4.9	4.9	4.6	4.0
	Hauptauslegerlänge 69.8 m				Hauptauslegerlänge 75.5 m				Hauptauslegerlänge 81.5 m				Hauptauslegerlänge 87.5 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	37.9															
6	37.9				31.6				26.0				21.9			
7	37.9	30.4			31.6	28.1			26.0	21.7			21.9			
8	37.9	30.4	26.9		31.6	28.1	22.7		26.0	21.7			21.9	18.0		
9	36.8	29.0	24.7	20.3	31.2	27.8	22.5		26.0	21.7	19.2		21.9	18.0	16.0	
10	35.7	27.6	22.8	19.5	30.4	27.2	22.0	18.7	25.3	21.2	18.8	16.2	21.7	17.8	15.8	
12	33.5	24.3	20.3	17.8	28.9	25.9	21.2	18.0	24.2	20.4	18.1	15.6	20.5	16.9	15.0	13.0
14	31.2	21.0	18.6	16.3	27.3	23.9	20.3	17.3	22.6	19.5	17.3	14.9	19.4	16.0	14.3	12.3
16	29.4	18.7	17.2	15.1	26.1	22.4	19.7	16.7	21.4	18.8	16.6	14.3	18.1	15.1	13.6	11.8
18	27.0	16.9	15.6	13.7	24.7	21.3	18.9	16.1	20.5	18.2	16.1	13.8	17.1	14.4	13.1	11.4
20	25.0	15.4	14.2	12.5	23.3	20.3	18.1	15.5	19.3	17.4	15.4	13.2	16.2	13.6	12.5	10.9
22	23.4	14.1	13.1	11.8	22.1	19.4	17.4	15.0	18.3	16.7	14.8	12.7	15.3	12.8	12.1	10.3
24	22.0	13.3	12.4	11.2	21.1	18.8	16.9	14.6	17.4	16.1	14.3	12.3	14.5	12.0	11.5	9.8
26	20.0	12.7	12.1	10.7	19.2	18.2	16.5	14.4	16.7	15.6	13.9	12.0	13.9	11.4	11.0	9.4
28	18.0	12.2	11.6	10.3	17.5	17.1	16.2	14.1	15.8	15.3	13.7	11.9	13.3	10.9	10.6	9.0
30	16.2	11.9	11.1	10.0	16.0	15.7	15.4	14.0	14.9	14.9	13.6	11.8	12.7	10.7	10.4	8.9
32	14.7	11.4	10.8	9.7	14.5	14.4	14.1	13.8	13.9	13.7	13.4	11.7	12.2	10.5	10.2	8.7
34	13.4	10.8	10.1	9.1	13.1	13.1	13.0	12.7	12.7	12.6	12.3	11.6	11.6	10.4	10.0	8.6
36	12.2	9.9	9.3	8.3	12.0	12.0	12.0	11.8	11.6	11.6	11.4	11.1	10.9	10.2	9.8	8.4
38	11.2	9.0	8.5	7.6	11.0	11.0	11.0	10.9	10.7	10.7	10.5	10.2	10.0	10.0	9.7	8.3
42	9.5	7.6	7.1	6.3	9.2	9.2	9.2	9.2	8.9	8.9	8.9	8.7	8.4	8.4	8.3	7.9
46	8.1	6.5	6.1	5.3	7.8	7.8	7.8	7.8	7.5	7.5	7.5	7.5	7.1	7.1	7.0	6.8
50	6.9	5.4	5.0	4.4	6.6	6.6	6.6	6.6	6.3	6.3	6.3	6.3	6.0	6.0	5.9	5.8
55	5.6	4.2	3.9	3.3	5.4	5.4	5.4	5.4	5.0	5.0	5.0	5.0	4.7	4.7	4.7	4.6
60	4.6	3.3	3.0	2.4	4.3	4.3	4.3	4.3	4.0	4.0	4.0	4.0	3.7	3.7	3.7	3.7
65	3.7	2.4	2.2		3.5	3.5	3.5	3.5	3.2	3.2	3.2	3.2	2.8	2.8	2.8	2.8
70					2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.4	2.1	2.1	2.1	2.1
75					2.0	2.0	2.0	2.0								

LR 1200.1 [1004.03]

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 13147978

	Hauptauslegerlänge 20 m				Hauptauslegerlänge 23 m				Hauptauslegerlänge 26 m				Hauptauslegerlänge 29 m					
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°		
Radius [m]	3.4	219.1																
	4	219.1	171.2		170.1	134.2			164.3				158.4					
	5	215.2	171.2	160.0	150.3	167.3	134.2	127.2	119.6	162.8	137.4	124.2	116.8	158.3	119.8	116.8		
	6	193.0	171.2	160.0	150.3	163.0	134.2	125.7	118.2	159.0	135.2	122.6	114.8	154.6	119.3	111.3	97.4	
	7	162.8	154.3	147.6	141.9	156.9	132.8	123.5	115.8	155.5	134.0	121.6	112.8	146.2	110.0	101.6	89.0	
	8	146.1	136.1	134.6	133.2	139.6	124.5	116.4	107.3	135.6	125.7	114.9	105.8	131.0	103.5	95.1	83.3	
	9	126.0	120.7	120.3	119.0	122.5	118.5	111.2	101.2	118.4	113.9	105.7	97.0	114.9	94.7	88.0	76.9	
	10	107.2	106.9	106.1	103.6	107.3	106.3	101.3	93.2	105.0	102.9	99.0	90.6	102.2	87.7	82.4	71.9	
	11	93.1	93.1	93.1	92.0	93.2	93.2	91.4	85.8	93.1	92.5	89.7	83.0	91.9	82.5	78.2	68.1	
	12	82.2	82.2	82.2	82.2	82.2	82.2	82.2	79.9	82.1	82.1	81.3	76.4	82.2	76.9	73.1	64.6	
	13	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.4	73.4	73.4	71.0	73.5	72.0	68.7	61.5	
	14	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.2	66.2	66.2	66.2	66.3	66.3	65.0	58.9	
	15	60.2	60.2	60.2	60.2	60.4	60.4	60.4	60.4	60.2	60.2	60.2	60.2	60.3	60.3	60.3	56.8	
	16	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.2	55.2	55.2	55.2	55.3	55.3	55.3	53.6	
	18	47.0	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	
	20	40.8	40.8	40.8	40.8	41.0	41.0	41.0	41.0	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0	
	22					36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.1
	24					32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.1	32.1	32.1	32.1
	25									30.2	30.2	30.2	30.2	30.4	30.4	30.4	30.4	
	26									28.6	28.6	28.6	28.6	28.8	28.8	28.8	28.8	
28													26.0	26.0	26.0	26.0		
Radius [m]		Hauptauslegerlänge 32 m				Hauptauslegerlänge 35 m				Hauptauslegerlänge 38 m				Hauptauslegerlänge 41 m				
		0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	
	4	153.6				147.9				143.4								
	5	153.6	117.3	114.2		147.9	115.0			143.4	115.1			121.1	86.2			
	6	150.7	117.3	109.2	94.5	141.9	113.1	96.8	83.0	140.3	113.0	95.9	81.6	121.1	86.2	77.5		
	7	142.2	110.1	100.7	87.2	132.4	108.3	89.5	77.9	129.5	104.3	87.5	76.8	111.7	80.7	71.6	62.0	
	8	126.5	100.7	92.2	81.5	121.8	97.5	83.8	72.2	118.4	94.7	81.2	70.8	104.0	75.6	67.5	59.0	
	9	111.3	93.2	85.4	76.2	108.0	89.8	79.8	68.2	104.8	86.6	76.3	66.1	96.7	70.4	64.0	56.1	
	10	99.2	85.8	78.7	70.6	96.5	82.2	74.6	64.4	93.9	80.3	72.2	62.5	91.2	66.6	61.4	54.0	
	11	89.4	79.8	73.3	66.1	87.2	75.5	69.8	61.2	84.9	73.5	67.4	58.9	82.9	63.0	58.4	50.8	
	12	81.3	75.1	69.1	62.6	79.4	70.1	66.0	58.5	77.4	67.8	63.3	56.0	75.7	59.6	55.4	47.8	
	13	73.3	70.0	65.1	59.3	72.8	65.9	62.6	56.0	71.1	63.2	60.0	53.6	69.6	56.7	53.0	45.3	
	14	66.2	65.5	61.6	56.3	66.1	62.0	58.5	52.6	65.6	59.2	56.8	51.1	64.3	54.4	51.0	43.2	
	15	60.2	60.2	58.6	53.8	60.1	58.6	54.9	49.6	60.0	55.2	53.2	48.0	59.8	51.8	48.7	41.4	
	16	55.1	55.1	55.1	51.7	55.1	55.1	51.7	47.0	54.9	51.6	49.9	45.3	54.9	48.6	46.0	39.7	
	18	47.0	47.0	47.0	46.6	47.0	47.0	46.7	42.9	46.8	45.7	44.6	40.9	46.8	43.3	41.4	36.7	
	20	40.8	40.8	40.8	40.8	40.8	40.8	40.8	39.5	40.6	40.6	40.3	37.7	40.6	39.2	37.9	34.5	
	22	36.0	36.0	36.0	36.0	35.9	35.9	35.9	35.9	35.7	35.7	35.7	34.9	35.7	35.7	34.8	32.4	
	24	32.0	32.0	32.0	32.0	31.9	31.9	31.9	31.9	31.7	31.7	31.7	31.7	31.7	31.7	31.7	30.6	
	25	30.3	30.3	30.3	30.3	30.2	30.2	30.2	30.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0	29.8	
26	28.7	28.7	28.7	28.7	28.6	28.6	28.6	28.6	28.5	28.5	28.5	28.5	28.4	28.4	28.4	28.4		
28	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7		
30	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3		
32	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3		
34					19.7	19.7	19.7	19.7	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5		
35					18.8	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7		
36									17.9	17.9	17.9	17.9	18.0	18.0	18.0	18.0		
38									16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6		
40													15.3	15.3	15.3	15.3		

Zentralballast: 36.2 t mit 1200 mm Flachbodenplatten

Heckballast:

72.3 t 82.3 t

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 13147978

	Hauptauslegerlänge 44 m				Hauptauslegerlänge 47 m				Hauptauslegerlänge 53 m				Hauptauslegerlänge 59 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	114.8	82.0			97.2				81.5				68.4			
6	114.8	82.0	73.5		97.2	76.5	65.7		81.5	62.0			68.4	56.9		
7	107.8	77.5	69.2	59.9	93.6	73.3	64.0	55.4	81.5	62.0	55.0		68.4	56.9	49.2	
8	100.9	72.9	65.2	57.1	88.0	67.7	61.2	53.2	77.4	59.9	53.2	44.0	66.8	56.2	48.2	40.4
9	93.2	67.6	61.4	54.0	82.2	63.4	57.9	49.9	74.4	58.3	51.9	43.0	64.1	54.6	46.2	39.4
10	87.2	63.4	58.4	51.5	76.9	59.6	55.0	46.9	70.8	55.9	49.4	41.7	61.9	53.1	44.9	38.6
11	80.8	60.1	55.8	49.3	72.8	56.6	52.6	44.6	67.8	54.0	47.4	40.7	59.4	50.5	43.6	37.6
12	73.9	55.8	52.1	46.2	69.1	53.4	49.8	42.4	65.4	52.4	45.8	39.8	57.3	48.3	42.6	36.8
14	62.9	49.1	46.2	41.2	61.6	46.6	43.9	38.4	59.1	48.1	42.8	37.7	53.9	45.0	40.9	35.4
16	54.6	44.2	41.9	37.7	53.5	41.8	39.6	35.5	51.4	43.8	40.2	35.7	49.4	41.7	38.4	33.6
18	46.6	39.9	38.1	34.5	46.5	37.7	36.0	32.5	45.4	40.6	38.3	34.2	43.6	39.0	36.3	32.2
20	40.4	36.4	35.1	32.0	40.3	34.2	32.9	29.9	40.0	37.4	35.4	31.8	38.9	37.0	34.7	31.0
22	35.5	33.6	32.8	30.1	35.4	31.4	30.5	27.8	35.1	34.5	32.8	29.8	34.8	33.7	31.7	28.0
24	31.5	31.0	30.4	28.5	31.4	29.2	28.6	26.3	31.2	31.2	30.7	28.1	30.8	30.8	29.0	25.5
26	28.2	28.2	28.2	27.2	28.1	27.2	26.8	25.0	27.9	27.9	27.9	26.6	27.5	27.5	26.8	23.3
28	25.5	25.5	25.5	25.5	25.4	25.4	25.3	24.0	25.1	25.1	25.1	24.6	24.8	24.8	24.8	21.6
30	23.2	23.2	23.2	23.2	23.0	23.0	23.0	23.0	22.8	22.8	22.8	22.7	22.4	22.4	22.4	20.2
32	21.1	21.1	21.1	21.1	21.0	21.0	21.0	21.0	20.7	20.7	20.7	20.7	20.4	20.4	20.4	19.0
34	19.3	19.3	19.3	19.3	19.2	19.2	19.2	19.2	19.0	19.0	19.0	19.0	18.6	18.6	18.6	17.8
36	17.8	17.8	17.8	17.8	17.7	17.7	17.7	17.7	17.4	17.4	17.4	17.4	17.1	17.1	17.1	16.9
38	16.4	16.4	16.4	16.4	16.3	16.3	16.3	16.3	16.0	16.0	16.0	16.0	15.7	15.7	15.7	15.7
40	15.1	15.1	15.1	15.1	15.0	15.0	15.0	15.0	14.8	14.8	14.8	14.8	14.4	14.4	14.4	14.4
42	14.0	14.0	14.0	14.0	13.9	13.9	13.9	13.9	13.7	13.7	13.7	13.7	13.3	13.3	13.3	13.3
44	13.0	13.0	13.0	13.0	12.9	12.9	12.9	12.9	12.7	12.7	12.7	12.7	12.3	12.3	12.3	12.3
46					12.0	12.0	12.0	12.0	11.8	11.8	11.8	11.8	11.5	11.5	11.5	11.5
48									11.0	11.0	11.0	11.0	10.6	10.6	10.6	10.6
50									10.2	10.2	10.2	10.2	9.9	9.9	9.9	9.9
55													8.2	8.2	8.2	8.2
	Hauptauslegerlänge 65 m				Hauptauslegerlänge 71 m				Hauptauslegerlänge 77 m				Hauptauslegerlänge 89 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	56.2															
6	56.2				46.7				38.6				26.6			
7	56.2	43.5			46.7	37.7			38.6	31.6			26.6			
8	56.2	43.5	38.4		46.7	37.7	33.6		38.6	31.6			26.6	20.7		
9	53.8	42.1	37.3	31.9	45.8	37.2	33.1	28.5	38.6	31.6	27.8		26.6	20.7	18.4	
10	51.9	41.0	36.4	31.1	44.1	36.1	32.1	27.7	37.2	30.8	27.1	21.3	26.6	20.7	18.4	
12	47.9	38.6	34.3	29.4	41.2	34.2	30.5	25.7	34.9	29.5	26.0	20.4	25.2	19.8	17.6	14.8
14	44.7	36.5	32.7	28.1	38.4	32.2	28.8	23.3	32.6	28.0	23.9	19.5	24.0	19.0	16.9	14.2
16	41.9	34.7	31.2	26.3	36.3	30.7	27.6	21.7	30.8	26.8	22.3	18.7	22.5	18.2	16.2	13.6
18	39.2	32.8	29.6	24.3	33.9	28.2	25.4	20.4	29.2	25.6	21.2	18.0	21.3	17.4	15.6	13.1
20	36.9	31.2	28.3	22.8	31.9	25.8	23.5	19.4	27.4	23.9	20.3	17.3	20.4	16.8	15.0	12.6
22	33.7	29.9	27.2	21.6	30.3	24.0	21.9	18.6	25.9	22.4	19.5	16.6	19.4	15.9	14.3	12.1
24	30.5	27.8	25.3	20.6	28.8	22.6	20.7	17.9	24.7	21.2	18.9	16.1	18.5	15.1	13.6	11.6
26	27.2	25.9	23.7	19.8	26.7	21.5	19.8	17.0	23.6	20.3	18.3	15.6	17.8	14.4	13.1	11.2
28	24.5	24.2	22.4	19.0	24.1	20.5	18.9	16.3	22.6	19.4	17.7	15.0	17.2	13.9	12.6	10.8
30	22.1	22.1	21.2	18.4	21.8	19.6	18.1	15.6	21.4	18.5	17.0	14.5	16.6	13.3	12.1	10.4
32	20.1	20.1	20.0	17.6	19.7	18.9	17.5	15.0	19.4	17.8	16.5	14.0	16.1	12.6	11.8	9.8
34	18.3	18.3	18.3	16.5	18.0	18.0	16.8	14.5	17.6	17.2	16.0	13.6	15.7	12.1	11.2	9.4
36	16.8	16.8	16.8	15.5	16.4	16.4	15.7	13.7	16.1	16.1	15.6	13.3	14.8	11.7	10.7	8.9
38	15.4	15.4	15.4	14.6	15.0	15.0	14.6	13.0	14.7	14.7	14.6	12.5	13.6	11.2	10.3	8.6
42	13.0	13.0	13.0	13.0	12.7	12.7	12.7	11.7	12.3	12.3	12.3	11.0	11.5	10.4	9.5	7.9
46	11.2	11.2	11.2	11.2	10.8	10.8	10.8	10.6	10.5	10.5	10.4	9.6	9.7	8.9	8.2	7.0
50	9.6	9.6	9.6	9.6	9.2	9.2	9.2	9.2	8.9	8.9	8.9	8.5	8.2	7.6	7.0	6.1
55	7.9	7.9	7.9	7.9	7.6	7.6	7.6	7.6	7.2	7.2	7.2	7.0	6.5	6.3	5.8	5.3
60	6.5	6.5	6.5	6.5	6.2	6.2	6.2	6.2	5.9	5.9	5.9	5.7	5.2	5.2	4.8	4.4
65					5.0	5.0	5.0	5.0	4.7	4.7	4.7	4.6	4.0	3.9	3.6	3.3
70					4.0	4.0	4.0	4.0	3.7	3.7	3.7	3.7	3.0	2.8	2.6	2.3
75									2.8	2.7	2.7	2.7	2.2			

LR 1250.1 [1004.03]

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11962152

	Hauptauslegerlänge 20 m				Hauptauslegerlänge 23 m				Hauptauslegerlänge 26 m				Hauptauslegerlänge 29 m				
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	
Radius [m]	3.4	219.1															
	4	219.1	171.2		219.9	189.6			199.9				189.1				
	5	215.2	171.2	160.0	150.3	211.1	189.6	175.0	160.0	199.9	187.9	176.3	158.8	189.0	182.7	165.0	
	6	193.0	171.2	160.0	150.3	182.8	174.3	167.0	159.7	180.1	177.5	168.3	152.7	178.2	174.6	162.9	143.0
	7	162.8	154.3	147.6	141.9	160.6	157.6	156.4	152.3	156.6	153.6	149.3	145.1	152.1	147.4	143.0	137.7
	8	146.1	136.0	134.6	133.2	140.7	135.8	134.2	131.2	135.5	132.1	128.8	125.6	130.9	127.3	124.0	120.7
	9	126.0	120.7	120.6	119.7	122.4	119.9	117.4	115.1	118.4	115.7	113.1	110.6	114.7	112.0	109.3	106.7
	10	107.2	106.9	106.8	106.2	107.3	106.2	104.3	102.4	105.0	102.8	100.7	98.7	102.0	99.8	97.6	95.5
	11	93.1	93.1	93.1	93.1	93.2	93.2	93.2	92.2	93.0	92.4	90.7	89.1	91.8	89.9	88.1	86.4
	12	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.1	82.1	82.1	81.1	82.1	81.8	80.2	78.8
13	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.3	73.3	73.3	73.3	73.4	73.4	73.4	72.4	
14	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
15	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	
16	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	
18	47.0	47.0	47.0	47.0	47.2	47.2	47.2	47.2	47.0	47.0	47.0	47.0	47.1	47.1	47.1	47.1	
20	40.8	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.8	40.8	40.8	40.8	40.9	40.9	40.9	40.9	
22					36.0	36.0	36.0	36.0	35.9	35.9	35.9	35.9	36.0	36.0	36.0	36.0	
24					31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.0	32.0	32.0	
25									30.2	30.2	30.2	30.2	30.3	30.3	30.3	30.3	
26									28.6	28.6	28.6	28.6	28.7	28.7	28.7	28.7	
28													25.9	25.9	25.9	25.9	
30																	
Radius [m]		Hauptauslegerlänge 32 m				Hauptauslegerlänge 35 m				Hauptauslegerlänge 38 m				Hauptauslegerlänge 41 m			
		0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
	4	173.7				158.5				145.7							
	5	173.7	169.9	158.6		158.5	158.0			145.7	145.7			133.0	133.0		
	6	165.5	164.7	153.8	132.2	153.8	153.4	143.6	123.0	143.5	143.5	133.1	113.6	133.0	133.0	123.2	
	7	146.2	141.4	137.0	127.9	140.8	136.0	131.5	119.1	135.7	130.8	126.3	109.3	126.5	126.1	114.7	102.1
	8	126.4	122.7	119.3	116.0	122.2	118.5	115.0	111.6	118.2	114.5	110.9	104.9	114.6	110.8	107.1	99.4
	9	111.2	108.3	105.5	102.9	107.8	104.9	102.0	99.4	104.6	101.6	98.7	95.9	101.6	98.6	95.6	92.8
	10	99.1	96.7	94.5	92.3	96.3	93.9	91.6	89.4	93.6	91.2	88.8	86.5	91.2	88.7	86.3	83.9
	11	89.3	87.3	85.5	83.7	87.0	85.0	83.0	81.2	84.7	82.6	80.6	78.7	82.6	80.5	78.5	76.5
	12	81.1	79.5	77.9	76.4	79.2	77.5	75.8	74.3	77.2	75.4	73.7	72.1	75.4	73.6	71.9	70.2
	13	73.2	72.9	71.6	70.3	72.6	71.1	69.7	68.4	70.8	69.3	67.9	66.5	69.3	67.7	66.2	64.8
	14	66.0	66.0	66.0	65.0	65.9	65.7	64.5	63.3	65.4	64.1	62.8	61.6	64.0	62.7	61.4	60.1
	15	60.0	60.0	60.0	60.0	60.0	60.0	59.9	58.9	59.8	59.5	58.4	57.3	59.4	58.2	57.1	56.0
	16	55.0	55.0	55.0	55.0	54.9	54.9	54.9	54.9	54.7	54.7	54.5	53.6	54.6	54.4	53.4	52.4
	18	46.9	46.9	46.9	46.9	46.8	46.8	46.8	46.8	46.6	46.6	46.6	46.6	46.5	46.5	46.5	46.2
	20	40.7	40.7	40.7	40.7	40.6	40.6	40.6	40.6	40.4	40.4	40.4	40.4	40.3	40.3	40.3	40.3
	22	35.8	35.8	35.8	35.8	35.7	35.7	35.7	35.7	35.5	35.5	35.5	35.5	35.4	35.4	35.4	35.4
	24	31.8	31.8	31.8	31.8	31.7	31.7	31.7	31.7	31.5	31.5	31.5	31.5	31.4	31.4	31.4	31.4
	25	30.1	30.1	30.1	30.1	30.0	30.0	30.0	30.0	29.8	29.8	29.8	29.8	29.7	29.7	29.7	29.7
26	28.5	28.5	28.5	28.5	28.4	28.4	28.4	28.4	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	
28	25.8	25.8	25.8	25.8	25.7	25.7	25.7	25.7	25.5	25.5	25.5	25.5	25.4	25.4	25.4	25.4	
30	23.4	23.4	23.4	23.4	23.3	23.3	23.3	23.3	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	
32	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.1	21.1	21.1	21.1	21.0	21.0	21.0	21.0	
34					19.5	19.5	19.5	19.5	19.3	19.3	19.3	19.3	19.2	19.2	19.2	19.2	
35					18.6	18.6	18.6	18.6	18.5	18.5	18.5	18.5	18.4	18.4	18.4	18.4	
36									17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	
38									16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	
40													15.0	15.0	15.0	15.0	

Zentralballast: 36.2 t mit 1200 mm Flachbodenplatten

Heckballast:

72.3 t 82.3 t

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11962152

	Hauptauslegerlänge 44 m				Hauptauslegerlänge 47 m				Hauptauslegerlänge 53 m				Hauptauslegerlänge 59 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	122.1	122.1			111.4				93.5				78.9			
6	122.1	122.1	111.0		111.4	111.4	101.4		93.5	93.5			78.9	78.9		
7	117.5	117.5	107.6	94.2	108.8	108.8	100.0	85.8	93.5	93.5	85.0		78.9	78.9	73.0	
8	111.0	107.1	103.5	92.2	104.4	103.8	97.0	82.6	89.6	89.6	82.8	73.5	76.9	76.9	72.4	63.0
9	98.7	95.6	92.6	89.8	96.0	92.8	89.8	79.1	86.9	86.9	81.0	72.5	73.2	73.2	70.8	62.0
10	88.8	86.2	83.7	81.4	86.5	83.8	81.3	75.7	82.1	79.4	76.8	70.9	70.5	70.5	69.5	61.1
11	80.5	78.3	76.3	74.3	78.6	76.3	74.2	72.2	74.8	72.5	70.3	68.2	67.8	67.8	66.7	59.7
12	73.6	71.7	70.0	68.2	71.9	70.0	68.2	66.4	68.6	66.6	64.7	62.9	65.5	63.4	61.5	58.5
14	62.6	61.2	59.8	58.5	61.2	59.8	58.4	57.1	58.6	57.1	55.7	54.3	56.1	54.6	53.0	51.6
16	54.2	53.1	52.1	51.0	53.1	52.0	50.9	49.8	51.0	49.8	48.6	47.5	48.9	47.6	46.4	45.2
18	46.3	46.3	45.9	45.1	46.2	45.8	44.9	44.1	44.9	43.9	43.0	42.1	43.1	42.0	41.1	40.1
20	40.1	40.1	40.1	40.1	40.0	40.0	40.0	39.4	39.6	39.2	38.4	37.6	38.3	37.5	36.7	35.9
22	35.2	35.2	35.2	35.2	35.1	35.1	35.1	35.1	34.7	34.7	34.5	33.9	34.4	33.7	33.0	32.3
24	31.2	31.2	31.2	31.2	31.1	31.1	31.1	31.1	30.8	30.8	30.8	30.7	30.4	30.4	29.9	29.3
26	28.0	28.0	28.0	28.0	27.8	27.8	27.8	27.8	27.5	27.5	27.5	27.5	27.1	27.1	27.1	26.7
28	25.2	25.2	25.2	25.2	25.0	25.0	25.0	25.0	24.7	24.7	24.7	24.7	24.3	24.3	24.3	24.3
30	22.8	22.8	22.8	22.8	22.7	22.7	22.7	22.7	22.3	22.3	22.3	22.3	22.0	22.0	22.0	22.0
32	20.8	20.8	20.8	20.8	20.7	20.7	20.7	20.7	20.3	20.3	20.3	20.3	19.9	19.9	19.9	19.9
34	19.0	19.0	19.0	19.0	18.9	18.9	18.9	18.9	18.5	18.5	18.5	18.5	18.1	18.1	18.1	18.1
36	17.5	17.5	17.5	17.5	17.3	17.3	17.3	17.3	17.0	17.0	17.0	17.0	16.6	16.6	16.6	16.6
38	16.1	16.1	16.1	16.1	15.9	15.9	15.9	15.9	15.6	15.6	15.6	15.6	15.2	15.2	15.2	15.2
40	14.8	14.8	14.8	14.8	14.7	14.7	14.7	14.7	14.4	14.4	14.4	14.4	14.0	14.0	14.0	14.0
42	13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.6	13.2	13.2	13.2	13.2	12.8	12.8	12.8	12.8
44	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.2	12.2	12.2	12.2	11.9	11.9	11.9	11.9
46					11.7	11.7	11.7	11.7	11.4	11.4	11.4	11.4	11.0	11.0	11.0	11.0
48									10.5	10.5	10.5	10.5	10.2	10.2	10.2	10.2
50									9.8	9.8	9.8	9.8	9.4	9.4	9.4	9.4
55													7.7	7.7	7.7	7.7
	Hauptauslegerlänge 65 m				Hauptauslegerlänge 71 m				Hauptauslegerlänge 77 m				Hauptauslegerlänge 86 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	65.0															
6	65.0				54.4				44.9				34.0			
7	65.0	65.0			54.4	54.4			44.9	44.9			34.0			
8	65.0	65.0	61.0		54.4	54.4	53.2		44.9	44.9			34.0	34.0		
9	62.5	62.5	59.7	54.1	53.6	53.6	52.9	44.8	44.9	44.9	43.5		34.0	34.0	34.0	
10	60.4	60.4	58.4	53.4	52.0	52.0	51.6	43.8	44.0	44.0	42.8	38.8	33.8	33.8	33.8	
12	56.7	56.7	55.7	51.8	49.3	49.3	49.3	42.1	42.6	42.6	41.4	38.4	32.7	32.7	32.7	29.5
14	53.7	52.1	50.6	49.1	46.6	46.6	46.4	40.4	40.2	40.2	39.5	37.4	31.5	31.5	31.5	29.0
16	46.9	45.6	44.3	43.1	44.7	43.6	42.3	39.1	38.3	38.3	38.1	36.5	30.2	30.2	30.2	27.9
18	41.4	40.3	39.3	38.3	39.7	38.6	37.5	36.5	36.5	36.5	35.8	34.8	29.2	29.2	29.2	27.1
20	36.8	36.0	35.1	34.3	35.3	34.4	33.5	32.6	33.9	32.9	32.0	31.1	28.2	28.2	28.2	26.3
22	33.0	32.3	31.6	30.9	31.7	30.9	30.2	29.4	30.4	29.6	28.8	28.0	26.9	26.9	26.8	25.0
24	29.8	29.2	28.6	28.0	28.6	27.9	27.3	26.6	27.4	26.7	26.0	25.4	25.6	24.8	24.1	23.4
26	26.7	26.5	26.0	25.5	25.9	25.3	24.8	24.2	24.8	24.2	23.6	23.0	23.1	22.5	21.8	21.2
28	23.9	23.9	23.7	23.3	23.5	23.1	22.6	22.1	22.6	22.0	21.5	21.0	21.0	20.4	19.8	19.3
30	21.6	21.6	21.6	21.4	21.2	21.1	20.7	20.2	20.6	20.1	19.6	19.2	19.1	18.6	18.1	17.6
32	19.5	19.5	19.5	19.5	19.1	19.1	19.0	18.6	18.7	18.4	18.0	17.6	17.4	16.9	16.5	16.0
34	17.8	17.8	17.8	17.8	17.3	17.3	17.3	17.1	16.9	16.9	16.5	16.1	15.8	15.5	15.0	14.7
36	16.2	16.2	16.2	16.2	15.8	15.8	15.8	15.8	15.4	15.4	15.2	14.8	14.4	14.1	13.8	13.4
38	14.8	14.8	14.8	14.8	14.4	14.4	14.4	14.4	14.0	14.0	14.0	13.7	13.1	12.9	12.6	12.3
42	12.5	12.5	12.5	12.5	12.1	12.1	12.1	12.1	11.7	11.7	11.7	11.7	11.0	10.9	10.6	10.4
46	10.6	10.6	10.6	10.6	10.2	10.2	10.2	10.2	9.8	9.8	9.8	9.8	9.1	9.1	8.9	8.7
50	9.0	9.0	9.0	9.0	8.6	8.6	8.6	8.6	8.2	8.2	8.2	8.2	7.5	7.5	7.5	7.3
55	7.4	7.4	7.4	7.4	6.9	6.9	6.9	6.9	6.5	6.5	6.5	6.5	5.8	5.8	5.8	5.7
60	6.0	6.0	6.0	6.0	5.6	5.6	5.6	5.6	5.2	5.2	5.2	5.2	4.5	4.5	4.5	4.4
65					4.4	4.4	4.4	4.4	4.0	4.0	4.0	4.0	3.3	3.3	3.3	3.3
70					3.4	3.4	3.4	3.4	3.0	3.0	3.0	3.0	2.3	2.3	2.3	2.3
75									2.1	2.1	2.1	2.1				

LR 1300.1 SX [1006.02]

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11962213

	Hauptauslegerlänge 20 m				Hauptauslegerlänge 23 m				Hauptauslegerlänge 26 m				Hauptauslegerlänge 29 m				
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	
Radius [m]	3.6	300.5															
	4	300.5	248.2			300.5			300.5				287.3				
	5	300.5	248.2	230.3	215.2	296.3	272.5	249.7	230.9	299.8	282.7	277.1		287.3	285.5	278.0	
	6	262.9	238.8	230.3	215.2	260.0	249.2	235.5	224.2	256.3	250.9	249.3	246.9	251.2	249.0	246.3	240.2
	7	229.5	217.2	213.6	203.3	227.7	217.8	216.9	215.7	222.2	215.1	214.0	212.6	218.9	214.8	213.6	211.7
	8	202.6	190.4	189.3	186.3	200.2	190.2	189.7	189.0	198.2	190.4	189.6	188.7	195.7	189.8	189.0	187.9
	9	182.4	170.5	170.3	170.0	179.9	169.7	169.4	169.0	176.9	168.6	168.2	167.6	175.4	169.0	168.5	167.6
	10	164.4	152.7	152.6	152.3	163.5	153.0	152.8	152.5	161.2	152.6	152.3	151.8	158.6	151.8	151.3	150.7
	11	150.6	139.1	139.0	138.9	148.8	137.9	137.7	137.5	147.2	138.2	138.0	137.7	146.2	138.8	138.5	138.1
	12	137.5	127.1	127.0	126.9	137.1	125.8	125.7	125.6	134.7	125.3	125.1	124.9	134.0	126.3	126.0	125.7
13	126.1	115.9	115.8	115.8	126.0	116.1	116.0	115.9	124.4	114.6	114.5	114.4	123.2	115.1	114.9	114.6	
14	116.1	106.5	106.5	106.4	116.2	106.7	106.6	106.5	115.7	106.3	106.2	106.1	114.1	105.7	105.5	105.3	
15	105.3	99.1	99.1	99.0	105.4	98.5	98.5	98.4	105.3	98.4	98.3	98.2	105.4	98.1	98.0	97.9	
16	96.2	92.2	92.2	92.1	96.4	91.6	91.6	91.6	96.2	91.3	91.2	91.2	96.3	91.5	91.4	91.3	
18	81.8	80.4	80.4	80.4	82.0	80.6	80.6	80.6	81.8	79.8	79.8	79.8	81.9	79.8	79.8	79.7	
20	70.8	70.8	70.8	70.8	71.0	71.0	71.0	71.0	70.9	70.9	70.9	70.9	71.0	70.9	70.8	70.8	
22					62.4	62.4	62.4	62.4	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	
24					55.4	55.4	55.4	55.4	55.3	55.3	55.3	55.3	55.5	55.5	55.5	55.5	
25									52.3	52.3	52.3	52.3	52.6	52.6	52.6	52.6	
26									49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	
28													45.0	45.0	45.0	45.0	
30													40.9	40.9	40.9	40.9	
Radius [m]		Hauptauslegerlänge 32 m				Hauptauslegerlänge 35 m				Hauptauslegerlänge 38 m				Hauptauslegerlänge 41 m			
		0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
	4	270.4															
	5	270.4	270.4			254.1	254.1			238.9	238.9			226.0	226.0		
	6	245.5	245.4	244.6	231.4	240.9	240.9	240.4	224.5	236.5	236.5	236.5		226.0	226.0	226.0	
	7	215.8	214.7	213.1	210.7	212.6	212.4	210.9	209.9	206.9	206.9	206.9	201.4	202.4	202.4	202.4	192.3
	8	191.1	187.8	186.8	185.2	187.8	186.2	185.1	183.4	184.6	184.1	183.8	180.9	182.0	181.9	181.8	180.8
	9	173.2	168.7	168.0	167.0	170.0	167.2	166.4	164.3	166.0	164.8	164.3	159.2	163.2	163.0	162.6	157.3
	10	156.5	150.9	150.4	149.6	154.6	150.8	150.2	148.4	152.3	150.6	149.9	143.7	149.2	148.7	148.0	139.7
	11	143.0	136.6	136.2	135.6	140.9	136.0	135.5	134.1	138.8	135.8	135.2	130.3	137.2	136.0	135.4	127.0
	12	132.8	125.7	125.5	125.0	129.8	123.9	123.6	122.6	127.3	123.2	122.7	119.0	125.9	123.4	122.8	116.1
	13	122.2	114.9	114.7	114.4	121.0	114.6	114.3	113.5	118.0	113.0	112.6	109.7	116.3	112.7	112.2	106.8
	14	112.8	105.4	105.2	105.0	111.9	105.3	105.2	104.6	110.3	104.8	104.5	102.3	108.5	103.9	103.6	99.3
	15	104.8	97.3	97.1	97.0	103.8	97.2	97.0	96.6	102.5	96.9	96.6	95.0	101.8	96.7	96.5	93.0
	16	96.1	90.6	90.5	90.4	95.9	90.1	90.0	89.7	95.6	89.8	89.6	88.4	95.0	89.8	89.6	86.8
	18	81.7	79.6	79.5	79.4	81.5	79.2	79.1	79.0	81.2	78.2	78.1	77.7	81.2	78.1	78.0	76.3
	20	70.8	70.3	70.2	70.2	70.6	70.2	70.1	70.0	70.3	69.7	69.6	69.6	70.2	69.3	69.2	68.4
	22	62.2	62.2	62.2	62.2	62.0	62.0	62.0	62.0	61.7	61.7	61.7	61.7	61.6	61.6	61.6	61.6
	24	55.3	55.3	55.3	55.3	55.1	55.1	55.1	55.1	54.8	54.8	54.8	54.8	54.7	54.7	54.7	54.7
	25	52.3	52.3	52.3	52.3	52.2	52.2	52.2	52.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
26	49.6	49.6	49.6	49.6	49.4	49.4	49.4	49.4	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	
28	44.8	44.8	44.8	44.8	44.7	44.7	44.7	44.7	44.4	44.4	44.4	44.4	44.3	44.3	44.3	44.3	
30	40.7	40.7	40.7	40.7	40.6	40.6	40.6	40.6	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	
32	37.2	37.2	37.2	37.2	37.1	37.1	37.1	37.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	
34					34.0	34.0	34.0	34.0	33.8	33.8	33.8	33.8	33.7	33.7	33.7	33.7	
35					32.6	32.6	32.6	32.6	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	
36					15.2	15.2	15.2	15.2	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	
38									28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	
40													26.6	26.6	26.6	26.6	

Zentralballast: 57.0 t mit 1200 mm Flachbodenplatten

Heckballast:

104.0 t 114.0 t 124.0 t

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 11962213

	Hauptauslegerlänge 47 m				Hauptauslegerlänge 53 m				Hauptauslegerlänge 59 m				Hauptauslegerlänge 65 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	200.9				179.0				159.9							
6	200.9	200.9			179.0	179.0			159.9	159.9			143.5			
7	194.2	194.2	194.2	169.6	179.0	179.0	175.0		159.9	159.9	150.9		143.5	143.5		
8	173.0	173.0	173.0	157.0	164.9	164.9	162.7	142.1	157.6	157.6	149.6	129.2	143.5	143.5	133.0	
9	157.2	157.2	156.3	143.9	150.4	150.4	148.6	134.4	142.2	142.2	137.2	122.2	135.6	135.6	127.4	111.6
10	142.8	142.8	140.6	129.9	137.3	137.3	135.0	123.1	131.8	131.8	127.8	116.9	124.1	124.1	119.2	106.8
12	122.3	121.9	118.5	110.2	116.6	116.6	112.4	103.9	111.0	111.0	107.4	98.5	106.4	106.1	102.6	94.0
14	104.5	102.5	100.5	94.2	101.3	99.9	96.7	90.2	97.0	95.4	92.8	86.1	92.2	91.3	88.5	81.4
16	91.7	88.4	87.4	82.6	88.3	86.7	83.7	78.6	84.5	83.2	80.8	75.2	81.6	79.8	77.7	72.2
18	80.6	77.5	77.0	73.2	78.4	76.4	74.2	70.1	74.5	73.5	71.0	66.6	71.9	70.6	68.6	63.9
20	69.7	68.3	68.0	65.1	69.2	67.7	66.1	62.7	67.0	65.6	63.8	60.1	64.1	63.0	61.0	57.1
22	61.1	61.0	60.8	58.7	60.6	60.2	59.1	56.2	60.0	59.0	57.2	54.1	58.0	56.7	55.2	52.0
24	54.2	54.2	54.2	53.6	53.7	53.7	53.4	51.0	53.1	53.1	51.5	48.8	52.5	51.4	49.8	47.0
26	48.5	48.5	48.5	48.5	48.0	48.0	48.0	46.8	47.4	47.4	46.7	44.4	46.8	46.8	45.1	42.6
28	43.7	43.7	43.7	43.7	43.2	43.2	43.2	43.0	42.6	42.6	42.6	40.9	42.0	42.0	41.0	38.9
30	39.7	39.7	39.7	39.7	39.2	39.2	39.2	39.2	38.6	38.6	38.6	37.7	38.0	38.0	37.7	35.8
32	36.2	36.2	36.2	36.2	35.7	35.7	35.7	35.7	35.1	35.1	35.1	34.8	34.5	34.5	34.5	33.2
34	33.2	33.2	33.2	33.2	32.7	32.7	32.7	32.7	32.0	32.0	32.0	32.0	31.4	31.4	31.4	30.7
36	30.5	30.5	30.5	30.5	30.0	30.0	30.0	30.0	29.4	29.4	29.4	29.4	28.8	28.8	28.8	28.4
38	28.2	28.2	28.2	28.2	27.6	27.6	27.6	27.6	27.0	27.0	27.0	27.0	26.4	26.4	26.4	26.3
40	26.0	26.0	26.0	26.0	25.6	25.6	25.6	25.6	24.9	24.9	24.9	24.9	24.3	24.3	24.3	24.3
42	24.2	24.2	24.2	24.2	23.7	23.7	23.7	23.7	23.0	23.0	23.0	23.0	22.4	22.4	22.4	22.4
44	22.4	22.4	22.4	22.4	22.0	22.0	22.0	22.0	21.3	21.3	21.3	21.3	20.7	20.7	20.7	20.7
46	20.8	20.8	20.8	20.8	20.4	20.4	20.4	20.4	19.8	19.8	19.8	19.8	19.2	19.2	19.2	19.2
50					17.7	17.7	17.7	17.7	17.1	17.1	17.1	17.1	16.5	16.5	16.5	16.5
55									14.3	14.3	14.3	14.3	13.8	13.8	13.8	13.8
60													11.5	11.5	11.5	11.5
65													9.5	9.5	9.5	9.5
	Hauptauslegerlänge 71 m				Hauptauslegerlänge 77 m				Hauptauslegerlänge 83 m				Hauptauslegerlänge 92 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
6	127.7				110.7				95.6							
7	127.7	127.7			110.7	110.7			95.6				78.3			
8	127.7	127.7	117.6		110.7	110.7			95.6	95.6			78.3	78.3		
9	127.7	127.7	117.6		110.7	110.7	105.6		95.6	95.6	92.5		78.3	78.3		
10	116.9	116.9	110.5	97.8	107.0	107.0	102.8	90.2	95.6	95.6	92.5		78.3	78.3	74.3	
11	108.6	108.6	105.0	94.6	100.4	100.4	97.5	86.9	91.1	91.1	89.1	78.4	77.9	77.9	74.1	65.0
12	101.5	101.2	97.7	89.9	95.8	95.8	93.0	84.4	87.5	87.5	86.1	76.9	75.4	75.4	73.1	64.3
13	93.8	93.8	90.7	83.4	89.6	89.6	86.6	79.4	84.9	84.9	82.6	75.8	73.3	73.3	72.2	63.7
14	87.1	87.1	84.6	77.7	83.4	83.4	80.8	74.0	79.4	79.4	77.1	70.8	71.8	71.8	71.5	63.3
16	76.8	76.5	74.2	68.9	73.4	73.3	71.0	65.1	69.6	69.6	67.9	62.1	64.0	64.0	63.4	56.9
18	68.3	67.7	65.9	61.3	65.9	64.9	63.1	58.5	62.4	62.2	60.3	55.6	56.8	56.8	56.4	51.0
20	61.0	60.5	58.8	54.7	58.8	58.0	56.4	52.3	56.3	55.6	54.0	50.1	51.4	51.4	50.4	46.5
22	55.1	54.4	52.8	49.3	52.8	52.2	50.6	47.0	50.6	50.0	48.6	44.9	46.6	46.6	45.4	42.0
24	50.4	49.3	48.0	45.1	47.9	47.2	45.7	42.6	45.8	45.2	43.8	40.6	42.2	42.2	41.1	37.8
26	45.8	44.8	43.5	40.9	44.0	43.0	41.8	39.1	41.8	41.1	39.8	37.0	38.4	38.4	37.2	34.2
28	41.4	41.0	39.5	37.2	40.2	39.2	38.0	35.6	38.4	37.5	36.4	33.9	35.2	34.9	33.8	31.1
30	37.3	37.3	36.0	34.0	36.7	36.0	34.5	32.4	35.1	34.3	33.2	30.9	32.6	31.9	31.0	28.6
34	30.8	30.8	30.6	29.0	30.2	30.2	28.9	27.2	29.5	28.9	27.5	25.8	27.4	26.7	25.6	23.7
38	25.8	25.8	25.8	24.8	25.1	25.1	24.8	23.4	24.5	24.5	23.2	21.8	23.1	22.5	21.2	19.6
42	21.8	21.8	21.8	21.3	21.2	21.2	21.1	20.0	20.5	20.5	19.8	18.6	19.5	19.1	17.8	16.5
46	18.5	18.5	18.5	18.5	17.9	17.9	17.9	17.1	17.2	17.2	16.8	15.8	16.2	16.2	15.1	14.0
50	15.8	15.8	15.8	15.8	15.2	15.2	15.2	14.8	14.6	14.5	14.3	13.4	13.5	13.5	12.6	11.7
55	13.1	13.1	13.1	13.1	12.5	12.5	12.5	12.4	11.8	11.8	11.8	11.1	10.7	10.6	9.9	9.1
60	10.8	10.8	10.8	10.8	10.2	10.2	10.2	10.2	9.5	9.5	9.5	9.0	8.4	8.4	7.8	7.2
65	8.8	8.8	8.8	8.8	8.3	8.3	8.3	8.3	7.6	7.6	7.5	7.2	6.2	6.2	6.0	5.4
70	7.2	7.2	7.2	7.2	6.6	6.6	6.6	6.6	5.6	5.6	5.6	5.6	4.2	4.2	4.2	3.8
75					4.8	4.8	4.8	4.8	3.8	3.8	3.8	3.8	2.5	2.5	2.5	2.5
80									2.3	2.3	2.3	2.3				

LR 1400 SX [1007.01]

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 13630772

Radius [m]	Hauptauslegerlänge 20 m				Hauptauslegerlänge 23 m				Hauptauslegerlänge 26 m				Hauptauslegerlänge 29 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
4.2	380.0															
5	380.0	321.3	301.0		380.0	324.2			379.4	323.7			361.9	313.1		
6	351.0	316.2	296.6	277.5	350.2	324.2	295.6	268.8	348.2	315.3	280.6	252.9	348.6	308.4	270.5	241.5
7	304.9	303.7	286.2	263.5	301.7	294.4	275.3	251.2	301.1	289.8	264.5	239.2	302.2	289.9	257.3	231.1
8	266.6	266.6	258.8	248.9	267.2	267.2	255.8	238.0	265.9	264.1	250.0	227.0	264.2	261.1	241.4	218.2
9	239.7	239.7	239.2	238.6	237.3	237.3	232.7	225.6	236.9	236.0	228.1	214.5	237.7	236.6	226.8	207.8
10	215.6	214.8	214.8	214.8	216.1	216.0	216.0	214.7	213.3	212.3	209.4	204.3	213.1	209.2	204.4	196.0
11	195.8	194.5	194.5	194.5	195.8	194.3	194.3	191.9	195.7	194.5	194.5	194.5	194.0	192.9	190.6	186.8
12	181.1	179.1	179.1	179.1	179.2	176.6	176.6	176.6	178.8	176.6	176.6	176.6	179.1	177.2	177.0	176.7
13	166.6	163.6	163.6	163.6	166.4	162.8	162.8	162.8	164.6	161.4	161.4	161.4	164.8	161.9	161.7	161.4
14	152.8	150.3	150.3	150.3	152.9	150.4	150.4	150.4	153.1	149.3	149.3	149.3	152.5	148.7	148.6	148.4
15	144.1	139.5	139.5	139.5	143.6	139.0	139.0	139.0	143.3	139.0	139.0	139.0	142.3	137.9	137.8	137.6
16	132.5	130.3	130.3	130.3	132.7	129.2	129.2	129.2	132.5	129.1	129.1	129.1	132.6	129.1	129.0	128.8
18	112.4	112.4	112.4	112.4	112.6	112.6	112.6	112.6	112.4	112.4	112.4	112.4	112.6	112.6	112.6	112.6
20	97.1	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5
22					85.6	85.6	85.6	85.6	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6
24					75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1
25									71.7	71.7	71.7	71.7	72.0	72.0	72.0	72.0
26									67.9	67.9	67.9	67.9	68.3	68.3	68.3	68.3
28													61.7	61.7	61.7	61.7
30													55.9	55.9	55.9	55.9
Radius [m]	Hauptauslegerlänge 32 m				Hauptauslegerlänge 35 m				Hauptauslegerlänge 41 m				Hauptauslegerlänge 47 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
5	345.7				330.7				303.2							
6	345.7	298.7	258.8		330.7	285.4	246.4		303.2	261.0			277.9	237.7		
7	299.9	283.0	247.8	220.9	297.5	274.5	237.3	210.0	281.2	258.8	219.3	31.8	277.9	237.7	198.7	
8	263.1	255.4	233.0	208.3	260.5	252.0	225.8	200.6	260.1	246.7	210.5	185.2	252.2	228.4	192.1	167.2
9	235.0	228.5	221.3	198.7	233.4	229.6	213.3	190.8	232.4	226.7	200.1	176.5	223.2	215.5	185.4	162.5
10	212.7	211.1	203.7	187.9	212.4	211.0	202.6	182.8	208.8	205.1	190.4	168.5	206.7	198.7	176.1	155.0
11	192.7	190.6	186.2	177.8	192.5	190.4	185.0	172.3	191.8	190.6	183.2	162.4	187.4	182.6	168.6	148.9
12	177.1	174.6	172.4	169.9	176.0	173.3	170.4	163.6	175.3	173.1	167.9	153.3	172.9	168.1	162.9	144.3
13	164.3	161.3	160.0	160.0	163.0	159.8	158.8	156.7	161.1	158.0	154.7	145.5	158.7	154.7	150.8	137.1
14	152.0	148.3	147.1	147.1	151.8	148.1	147.8	147.4	149.3	145.4	143.6	138.9	146.6	143.1	139.7	130.2
15	141.3	137.0	135.8	135.8	141.1	136.9	136.6	136.3	139.8	135.3	134.8	133.6	136.0	133.0	130.0	124.4
16	132.2	127.4	126.3	126.3	131.6	127.0	126.8	126.5	131.0	126.2	125.9	124.8	126.8	123.6	121.4	118.9
18	112.3	112.3	111.2	111.2	112.1	111.4	111.3	111.1	111.6	110.0	109.8	109.6	110.9	108.8	107.1	105.0
20	97.2	97.2	97.2	97.2	97.0	97.0	97.0	97.0	96.4	96.4	96.4	96.4	95.7	95.7	95.5	93.8
22	85.3	85.3	85.3	85.3	85.1	85.1	85.1	85.1	84.6	84.6	84.6	84.6	83.9	83.9	83.9	83.9
24	75.8	75.8	75.8	75.8	75.6	75.6	75.6	75.6	75.1	75.1	75.1	75.1	74.4	74.4	74.4	74.4
25	71.7	71.7	71.7	71.7	71.5	71.5	71.5	71.5	71.0	71.0	71.0	71.0	70.3	70.3	70.3	70.3
26	68.0	68.0	68.0	68.0	67.8	67.8	67.8	67.8	67.3	67.3	67.3	67.3	66.5	66.5	66.5	66.5
28	61.4	61.4	61.4	61.4	61.3	61.3	61.3	61.3	60.8	60.8	60.8	60.8	60.0	60.0	60.0	60.0
30	55.8	55.8	55.8	55.8	55.7	55.7	55.7	55.7	55.2	55.2	55.2	55.2	54.4	54.4	54.4	54.4
32	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.4	50.4	50.4	50.4	49.7	49.7	49.7	49.7
34					46.7	46.7	46.7	46.7	46.3	46.3	46.3	46.3	45.5	45.5	45.5	45.5
35					44.7	44.7	44.7	44.7	44.4	44.4	44.4	44.4	43.6	43.6	43.6	43.6
36					42.9	42.9	42.9	42.9	42.6	42.6	42.6	42.6	41.9	41.9	41.9	41.9
38									39.4	39.4	39.4	39.4	38.7	38.7	38.7	38.7
40									36.4	36.4	36.4	36.4	35.8	35.8	35.8	35.8
45													29.7	29.7	29.7	29.7
46													28.7	28.7	28.7	28.7

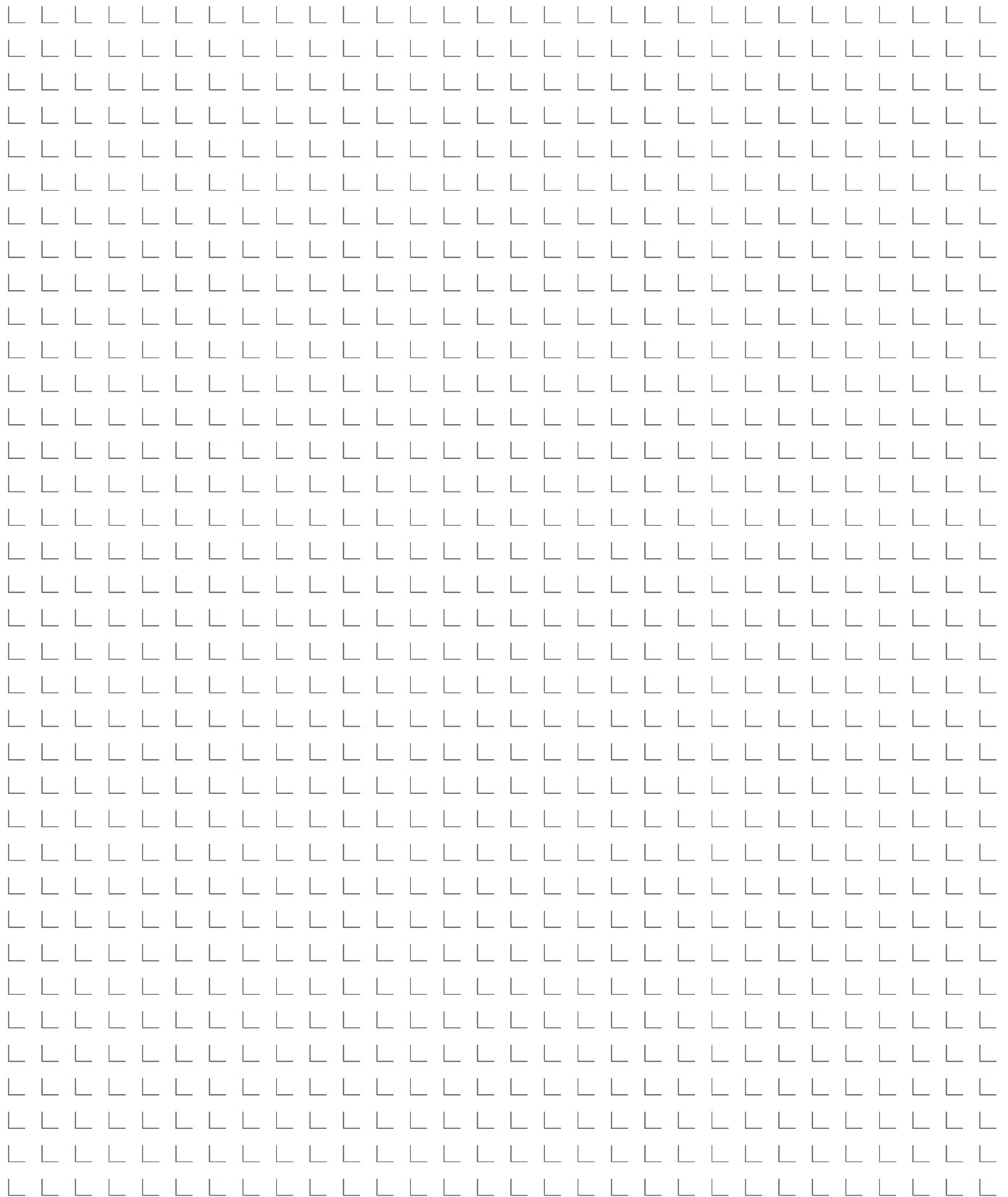
Zentralballast: 52.6 t mit 1500 mm Flachbodenplatten

Heckballast:

100.5 t 120.5 t 140.9 t 150.9 t

Traglasten in [t] – Hauptausleger auf schwimmender Konstruktion mit Neigung [0/1/2/3°] – TLT 13630772

	Hauptauslegerlänge 53 m				Hauptauslegerlänge 59 m				Hauptauslegerlänge 65 m				Hauptauslegerlänge 71 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
6	255.3				223.3				192.7				169.6			
7	255.3	211.4			223.3	182.6			192.7	163.6			169.6			
8	237.0	210.9	175.2		223.3	182.6	155.2		192.7	163.6	138.7		169.6	145.8		
9	220.9	197.9	168.0	147.0	209.0	179.0	151.9	132.5	192.7	163.6	138.5		169.6	145.8	123.9	
10	198.7	188.4	162.5	142.7	188.7	173.0	147.7	129.6	179.5	158.8	134.6	116.8	167.1	144.3	122.1	105.7
11	180.4	173.9	155.6	137.2	171.8	166.0	143.4	125.9	163.8	154.8	131.7	114.7	156.3	140.3	118.9	103.4
12	165.0	160.1	149.8	132.6	157.5	152.4	138.0	121.3	150.5	145.4	127.6	111.3	143.8	137.3	116.5	101.7
13	151.8	147.6	143.5	129.1	145.2	140.8	133.5	117.5	139.0	134.5	123.1	107.8	133.0	128.5	112.9	98.3
14	140.4	136.7	133.2	123.5	134.5	130.7	127.0	114.5	128.9	125.0	119.2	104.8	123.6	119.6	109.3	95.3
15	130.5	127.3	124.1	117.6	125.1	121.8	118.5	110.4	120.1	116.6	113.3	102.3	115.2	111.6	106.2	92.7
16	121.8	118.9	116.1	112.3	116.9	113.9	111.0	105.5	112.3	109.2	106.2	99.4	107.8	104.6	101.5	90.5
18	107.1	104.8	102.6	100.4	103.0	100.6	98.2	95.9	99.0	96.5	94.1	91.5	95.2	92.6	90.0	85.1
20	95.1	93.4	91.6	89.8	91.7	89.7	87.8	85.9	88.3	86.2	84.1	82.2	84.8	82.7	80.6	78.5
22	83.2	83.2	82.5	81.0	82.4	80.7	79.1	77.5	79.3	77.5	75.8	74.2	76.2	74.4	72.6	70.9
24	73.7	73.7	73.7	73.6	72.9	72.9	71.7	70.4	71.8	70.2	68.8	67.3	69.0	67.4	65.8	64.3
26	65.8	65.8	65.8	65.8	65.0	65.0	65.0	64.2	64.3	64.0	62.7	61.5	62.7	61.3	60.0	58.7
28	59.3	59.3	59.3	59.3	58.5	58.5	58.5	58.5	57.7	57.7	57.4	56.4	56.8	56.1	54.9	53.8
30	53.8	53.8	53.8	53.8	52.9	52.9	52.9	52.9	52.1	52.1	52.1	51.9	51.3	51.3	50.4	49.4
32	49.0	49.0	49.0	49.0	48.1	48.1	48.1	48.1	47.4	47.4	47.4	47.4	46.5	46.5	46.5	45.6
34	44.8	44.8	44.8	44.8	44.0	44.0	44.0	44.0	43.2	43.2	43.2	43.2	42.3	42.3	42.3	42.1
35	43.0	43.0	43.0	43.0	42.1	42.1	42.1	42.1	41.3	41.3	41.3	41.3	40.4	40.4	40.4	40.4
40	35.1	35.1	35.1	35.1	34.2	34.2	34.2	34.2	33.5	33.5	33.5	33.5	32.6	32.6	32.6	32.6
45	29.1	29.1	29.1	29.1	28.3	28.3	28.3	28.3	27.5	27.5	27.5	27.5	26.6	26.6	26.6	26.6
50	24.4	24.4	24.4	24.4	23.6	23.6	23.6	23.6	22.8	22.8	22.8	22.8	21.9	21.9	21.9	21.9
55					19.7	19.7	19.7	19.7	19.0	19.0	19.0	19.0	18.1	18.1	18.1	18.1
60									15.9	15.9	15.9	15.9	15.0	15.0	15.0	15.0
65									13.2	13.2	13.2	13.2	12.4	12.4	12.4	12.4
70													10.0	10.0	10.0	10.0
	Hauptauslegerlänge 77 m				Hauptauslegerlänge 83 m				Hauptauslegerlänge 89 m				Hauptauslegerlänge 95 m			
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
7	152.5				133.8				119.5				106.0			
8	152.5	130.3			133.8	115.3			119.5				106.0			
9	152.5	130.3	109.8		133.8	115.3			119.5	103.0			106.0	90.5		
10	152.5	130.3	109.8		133.8	115.3	97.8		119.5	103.0	85.6		106.0	90.5		
11	149.0	127.1	107.2	91.9	132.6	114.6	96.6	81.4	119.5	103.0	85.6		106.0	90.5	72.8	
12	137.6	123.8	105.0	90.4	129.6	111.8	94.2	80.5	117.4	101.3	84.2	71.0	105.5	90.2	72.7	61.5
13	127.4	121.4	103.3	88.9	122.1	109.6	92.3	79.8	115.2	99.2	82.8	70.6	103.7	88.2	72.5	61.1
14	118.5	114.4	99.8	86.3	113.6	107.7	90.5	78.6	109.0	97.4	81.8	70.4	102.2	86.6	72.4	60.8
15	110.6	107.0	96.7	84.0	106.1	102.4	87.9	76.4	101.8	95.5	80.2	68.9	97.7	85.4	72.3	60.6
16	103.6	100.3	94.1	82.0	99.4	96.0	85.6	74.5	95.4	92.0	78.1	67.0	91.6	83.6	70.7	59.2
18	91.5	88.8	86.2	78.9	87.9	85.1	81.8	71.4	84.4	81.6	74.4	63.8	81.0	78.1	66.9	56.8
20	81.6	79.4	77.2	73.7	78.4	76.1	73.8	68.2	75.3	72.9	70.6	61.4	72.2	69.8	63.8	54.9
22	73.3	71.4	69.5	67.8	70.4	68.4	66.5	64.2	67.6	65.6	63.6	58.4	64.8	62.7	60.7	53.2
24	66.3	64.6	63.0	61.5	63.6	61.9	60.2	58.6	61.0	59.3	57.6	55.6	58.5	56.6	54.9	50.7
26	60.2	58.8	57.4	56.0	57.7	56.2	54.8	53.4	55.4	53.8	52.3	50.9	52.9	51.4	49.8	48.3
28	55.0	53.7	52.5	51.3	52.6	51.3	50.0	48.8	50.4	49.0	47.7	46.4	48.1	46.7	45.4	44.0
30	50.4	49.2	48.2	47.1	48.1	47.0	45.8	44.7	46.0	44.8	43.6	42.5	43.9	42.6	41.4	40.2
35	39.6	39.6	39.3	38.5	38.7	38.1	37.2	36.4	37.1	36.2	35.2	34.4	35.1	34.2	33.2	32.3
40	31.7	31.7	31.7	31.7	30.8	30.8	30.6	29.9	29.9	29.5	28.8	28.0	28.4	27.6	26.9	26.2
45	25.7	25.7	25.7	25.7	24.8	24.8	24.8	24.7	23.9	23.9	23.6	23.0	23.0	22.4	21.8	21.2
50	21.0	21.0	21.0	21.0	20.1	20.1	20.1	20.1	19.2	19.2	19.2	18.8	18.3	18.1	17.6	17.1
55	17.2	17.2	17.2	17.2	16.3	16.3	16.3	16.3	15.5	15.5	15.5	15.5	14.6	14.6	14.3	13.9
60	14.2	14.2	14.2	14.2	13.3	13.3	13.3	13.3	12.4	12.4	12.4	12.4	11.4	11.4	11.3	11.0
65	11.6	11.6	11.6	11.6	10.6	10.6	10.6	10.6	9.7	9.7	9.7	9.7	8.8	8.8	8.8	8.5
70	9.3	9.3	9.3	9.3	8.4	8.4	8.4	8.4	7.5	7.5	7.5	7.5	6.5	6.5	6.5	6.4
75	7.3	7.3	7.3	7.3	6.4	6.4	6.4	6.4	5.5	5.5	5.5	5.5	4.6	4.6	4.6	4.5
80					4.6	4.6	4.6	4.6	3.8	3.8	3.8	3.8	2.9	2.9	2.9	2.8
85									2.3	2.3	2.3	2.3				





Datenprospekt herunterladen



Bitte kontaktieren Sie uns.

Liebherr-Werk Nenzing GmbH · Dr. Hans Liebherr Str. 1 · 6710 Nenzing, Austria
Phone +43 50809 41-473 · crawler.crane@liebherr.com · www.liebherr.com
facebook.com/LiebherrConstruction