

Up to 15 No. 11.4m MK2 Towers + 0.5m base stool + 2.3m capping beam assembly = 173.8m max.

**DL-TS3000 MK 2 GROSS LIFTING CAPACITIES - 2 TOWER CONFIGURATION**  
20m TOWER SPACING. VESSEL CENTRAL TO TOWERS

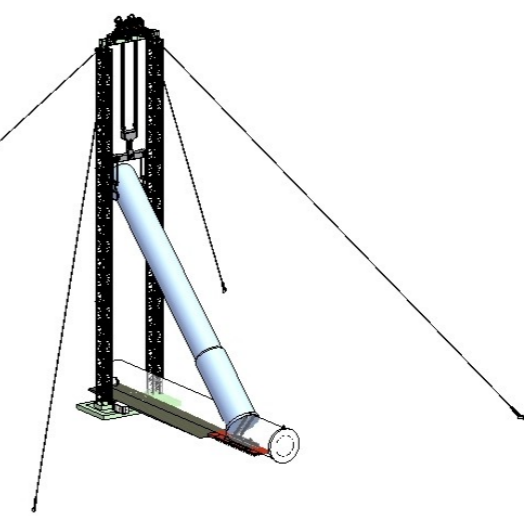
DO NOT SCALE

No. 11.4m Tower Sections	Tower height (m)	Strand Jacks		Climbing Jacks	
		SWL Guyed (tonnes)	SWL Unguyed (tonnes)	SWL Guyed (tonnes)	SWL Unguyed (tonnes)
2	25.6	3000	3000	3600	3600
3	37.0	3000	3000	3600	3600
4	48.4	3000	2975	3600	3500
5	59.8	3000	2850	3600	3400
6	71.2	3000	2275	3600	2850
7	82.6	3000	1700	3600	2300
8	94.0	3000	1325	3600	1925
9	105.4	3000	950	3600	1550
10	116.8	3000	700*	3600	1275
11	128.2	3000	450*	3600	950*
12	139.6	3000	275*	3600	675*
13	151.0	3000	100*	3600	400*
14	162.4	3000		3600	
15	173.8	2900		3600	

Gross lifting capacities include the weight of the vessel plus all lifting strand, lifting beams, swivel etc.

\* Out of service wind speed less than 40m/sec

Tower Guys - where required  
4 No. DL-S185 strand jacks



**Typical 4 Guy Layout**  
Guy positions can be varied to suit the site layout

Rear of Vessel supported by:  
Trailer mounted tailing frame or  
Tailing crawler crane or  
Tailing skid frame

DL-P40 Computer Control Cabin for remote operation of all jacking systems

**DL-TS3000 MK2**  
(2 Tower guyed configuration shown)

DL-S185 Strand Jack mounted in jack frame fixed to temporary foundation.

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**NOTES**  
**GENERAL**  
The DL-TS3000 MK2 can be used in 2 tower or 4 tower configuration, guyed or unguyed, and using either strand jacks or climbing jacks for lifting. The system can self-erect and self-dismantle to avoid the need for a large tower erection crane. Vessels can be lifted, skidded laterally and rotated as required to suit delivery position. All jacking systems are monitored and controlled from ground level by a single operator using the DL-P40 computer control system. All items are transported in standard shipping containers.

**SPECIFICATION**  
Lifting Capacity: See table  
Lifting Speed: 10-30 m/hr  
Max. tower spacing: 60m  
Max. lifting wind speed: 20 m/sec  
Max. storm wind speed: 40 m/sec @10m  
Operating temp: -20 to +50°C  
Foundation options: See drawing  
Guys: 4 x 185 mT SWL

Unguyed towers can only resist 40 m/sec storm winds up to 9 tower sections high with cross beam at top for strand jacks and 10 tower sections high where no top cross beam used, i.e. in climbing jack configuration.

The information provided on this drawing is intended for initial evaluation purposes only. DLT will provide a detailed proposal for each project giving more specific information.

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A	23.04.10	INF	First Issue for Information	SG	SAB

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Project  
**DL-TS3000 MK2**

Drawing Title  
**GENERAL ARRANGEMENT AND DUTY CHARTS FOR GUYED AND UNGUYED CONFIGURATIONS**

Design Eng:	PD	Checking Eng:	JM
Drawn by:	SG	Project Eng:	SAB

Scales (At A3) AS SHOWN  
Drawing Status  
**FOR INFORMATION**

Original Drawing size: A3  
Drawing No.  
**DL-TS3000-MK2-001**  
Rev.  
**A**