

BUCKNER

HEAVYLIFT CRANES

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PROJECT:
LR1500 SW 60m+78m

LOCATION: -----
BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerCompanies.com
LIFT PLAN BY: Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Title Page

FILE: C:\Users\Dan Ives\OneDrive - Buckner Heavylift
Cranes\Engineering\Drawings\BHL\Buckner\Build
Sheets\LR 1500\LR 1500 - SW 60m + 78m (197' +
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Rev.	Date	Description
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Pos. Item	Description		Page
1 969815308	PULL ROD	6M	
2 969764008	PULL ROD	12M	
5 969845008	ROD CPL.	4.1M	
6 96002874	PULL ROD		
7 918283908	MEASURING PLATE	2000 KN	80
8 918284008	MEASURING PLATE	2000 KN	
9 96002840	DRAW SHACKLE		
10 96002822	PULL ROD		
20 96006546	BRACKET CPL.		
21 96004063	ROCKER WELDED		
22 96006388	DRAWBAR PRE-ASS		
23 96005229	ROD CPL.	3.4M	
24 96005414	PULL ROD	1.5M	
1000 98024673	RODS/ PULL RODS LR 1500	F. SW	

Pos. Item	Description		Page
1 969815308	PULL ROD	6M	
2 969764008	PULL ROD	12M	
3 96002501	PULL ROD	8M	
4 96002588	BRACKET CPL.	0.5M	
16 918283508	MEASURING PLATE	1250 KN	67
17 918283808	MEASURING PLATE	1250 KN	
24 96005414	PULL ROD	1.5M	
25 96003783	GUY SHACKLE	ABSPANNSTANGEN	
26 96003784	CROSS STRAP	OBEN	
27 96003785	CROSS STRAP	MITTE	
28 96003786	CONNECTING BRACKET	UNTEN	
29 96003788	CONNECTING LINK	ZW. ABSPANNSEILE	
30 97076059	FIBRE TENSIONING ROPE	28X1.32M	
32 97076074	FIBRE TENSIONING ROPE	28X2.25M	
33 97076072	FIBRE TENSIONING ROPE	28X2.75M	
34 97076061	FIBRE TENSIONING ROPE	28X3.75M	
35 97075999	FIBRE TENSIONING ROPE	28X4.75M	
36 969862208	PULL ROD	2M	
37 969866908	PULL ROD	10M	
38 96002706	BRACKET CPL.		
39 96003561	BRACKET CPL.		
40 96003286	ROD CPL.	6.45M	
41 96005467	PULL ROD	3.5M	
42 96003651	ROTATING SHAFT		
1000 98024703	RODS/ PULL RODS LR 1500	F. W	

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DRAWING NOTES:
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BUCKNER
HEAVYLIFT CRANES

10.10.2019
LIEBHERR 074443 (LR_1500)
RODS/ PULL RODS LR 1500 F. SW
96012349
Page: 26

10.10.2019
LIEBHERR 074443 (LR_1500)
RODS/ PULL RODS LR 1500 F. W
96012378
Page: 29

SW – operation, without auxiliary support

aat_252_007_00002_00_001

S: S-end section without roller set
W: L-end section

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On crawlers 7.9m x 7.6m x 1.5m
Wind: maximum 11.1m/s
Ground slope: maximum 0.3°

System: S 2822.25/14/11
L 2418.11/7

Operation with boom nose: The operation with boom nose is possible from a "permissible weight of hook block on the W-boom" of 2t. In that case, the value in the chart is the sum of the weights of the hook blocks on the W-boom and the boom nose as well as the weight of the boom nose (0.5t) (incl. hoist rope).

SW Without auxiliary support			Permissible weight [t] of the hook block on the W-boom						
			for turntable / central ballast [t]						
			170	150	130	130	110	90	
S [m]	60	W [m]	18	-	-	-	-	-	-
			24	-	-	-	-	-	-
			30	-	-	-	-	-	-
			36	-	-	-	-	-	-
			42	-	-	-	-	-	-
			48	-	-	-	-	-	-
			54	-	-	-	-	-	-
			60	-	-	-	-	-	-
			66	-	-	-	-	-	-
			72	-	-	-	-	-	-
			78	-	-	-	-	-	-
			84	-	-	-	-	-	-

- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take down, or the auxiliary weights must be attached after erection and removed before take down.

LWIE/25250-03-02/en

SW – operation, with auxiliary support

aat_252_007_00001_00_000

S: S-end section without roller set
W: L-end section

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With auxiliary support to the side
Wind: maximum 11.1m/s
Ground slope: maximum 0.3°

System: S 2822.25/14/11
L 2418.11/7

Operation with boom nose: The operation with boom nose is possible from a "permissible weight of hook block on the W-boom" of 2t. In that case, the value in the chart is the sum of the weights of the hook blocks on the W-boom and the boom nose as well as the weight of the boom nose (0.5t) (incl. hoist rope).

SW With auxiliary support (to the side)			Permissible weight [t] of the hook block on the W-boom						
			for turntable / central ballast [t]						
			170	150	130	130	110	90	
S [m]	60	W [m]	18	9	7	5	4	-	-
			24	8	6	4.5	3.5	-	-
			30	8	7	5	4	-	-
			36	9	8	5	5	-	-
			42	9	9	7	7	-	-
			48	10	10	9	9	-	-
			54	10	10	10	10	-	-
			60	10	10	10	-	-	-
			66	10	10	10	-	-	-
			72	10	10	10	-	-	-
			78	10	-	-	-	-	-
			84 a)	10	-	-	-	-	-

- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take down, or the auxiliary weights must be attached after erection and removed before take down.

a) Erection only possible on horizontal ground

LWIE/25250-03-02/en

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