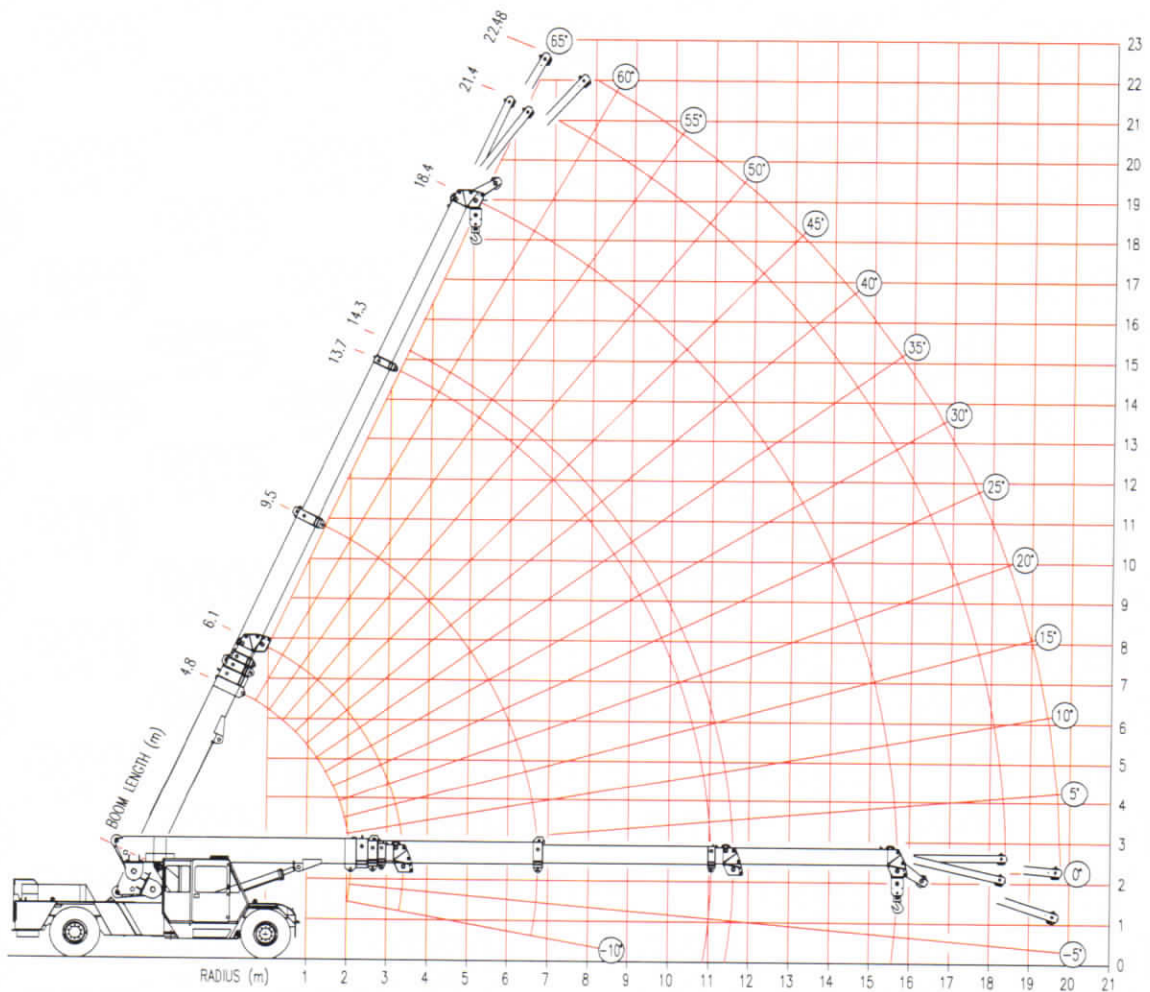


SECTION 3 – LIFTING CAPACITY

RANGE DIAGRAM



CONDITIONS:

FRONT SPRING LOCKOUTS TO BE ENGAGED FOR ALL LIFTING AND PICK AND CARRY OPERATIONS.

LOAD MOMENT INDICATOR DUTIES

1500 KG COUNTERWEIGHT ON FRONT

DUTY	DESCRIPTION
101	FALL BLOCK
102	RHINO HOOK
103	OFFSET HEAD – BOTTOM POSITION
104	OFFSET HEAD – TOP POSITION
105	3M FLYJIB –TOP POSITION - 0° OFFSET
106	3M FLYJIB –TOP POSITION – 12.5° OFFSET
107	4M FLYJIB – TOP POSITION - 5° OFFSET
108	4M FLYJIB – TOP POSITION – 17.5° OFFSET
109	MAN BASKET
110	BUTT LUG
111	LUG 1 – BOOM 1
112	LUG 2 – BOOM 2

1500 KG COUNTERWEIGHT ON REAR

DUTY	DESCRIPTION
201	FALL BLOCK
202	RHINO HOOK
203	OFFSET HEAD – BOTTOM POSITION
204	OFFSET HEAD – TOP POSITION
205	3M FLYJIB –TOP POSITION - 0° OFFSET
206	3M FLYJIB –TOP POSITION – 12.5° OFFSET
207	4M FLYJIB – TOP POSITION - 5° OFFSET
208	4M FLYJIB – TOP POSITION – 17.5° OFFSET
209	MAN BASKET
210	BUTT LUG
211	LUG 1 – BOOM 1
212	LUG 2 – BOOM 2

MAC-25 FALL BLOCK LOAD CHART - 10 DEG. ART.
COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

S.W.L. IN KILOGRAMS FOR SLEW ANGLES OF 10 DEGREES OR LESS EITHER
SIDE OF STRAIGHT AHEAD (INDICATED BY GREEN LED ON DASH).
BOOM ANGLE - UNDEFLECTED (REF.)

NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.

LMI DUTY

101

S.W.L. ARE BASED ON 66.7% STABILITY & STRENGTH
- S.W.L. ABOVE BOLD RED LINE ARE STRUCTURAL
S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5)
WITH TYRES INFLATED AS PER NOTES
LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS
CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

Radius in Metres	BOOM PIVOT TO HEAD SHEAVES - THIRD BOOM RETRACTED (metres)																	THIRD BOOM EXTENDING (metres)									
	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.32	14.50	15.00	15.50	16.00	16.50	17.00	17.50	18.00	18.42	
1.4	23900	23850	23750	23800	23750	23750	23750	23750	23750																		
2.0	19950	19900	19850	19800	19750	19750	19750	19700	19650	19650	19300																
	40	44	48	51	54	57	59	61	62	64	65																
2.5	15700	15650	15600	15500	15500	15500	15500	15450	15450	15400	15400	15350	14600														
3.0	12800	12800	12750	12750	12700	12700	12650	12650	12600	12600	12600	12550	12550	12550	12550	12250											
	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65											
3.5	11050	10750	10750	10700	10700	10700	10650	10650	10600	10600	10600	10550	10550	10550	10500	10500	10500	10500	10500								
4.0	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65	65									
		9750	9200	9200	9200	9150	9150	9150	9100	9100	9100	9050	9050	9050	9050	9000	9000	9000	9050	9100							
5.0			8450	7400	7050	7050	7050	7000	7000	7000	6950	6950	6950	6950	6950	6900	6900	6900	6950	7000	7050	7100	7100	7150	7200		
			(4.3)	(4.8)	16	25	31	36	40	43	46	48	50	52	54	56	58	58	59	61	62	63	63	64	65		
6.0					6550	5850	5600	5600	5600	5600	5550	5550	5550	5550	5550	5500	5500	5500	5550	5600	5650	5700	5700	5750	5750	5800	
7.0					(5.3)	(5.8)	15	24	30	34	38	41	44	46	48	50	53	53	55	56	57	58	60	61	61	62	
8.0							(6.3)	(6.8)	14	23	28	33	36	39	42	44	48	48	50	52	53	54	56	57	58	59	
									4300	3900	3800	3800	3800	3800	3750	3750	3750	3750	3800	3850	3900	3950	4000	4000	4050		
9.0									(7.3)	(7.8)	14	22	27	31	35	38	42	43	45	47	48	50	51	53	54	55	
10											3600	3300	3200	3200	3200	3200	3150	3200	3250	3300	3350	3350	3400	3400	3450	3450	
											(8.3)	(8.8)	13	21	26	30	35	36	39	41	43	45	47	48	50	51	
11														3000	2800	2700	2700	2700	2750	2800	2850	2900	2900	2950	2950	3000	
													(9.3)	(9.8)	12	20	28	29	32	35	38	40	42	44	45	47	
12																(10.3)	(10.8)	17	19	24	28	31	34	37	39	41	42
																	2100	2050	2100	2100	2150	2200	2200	2250	2250	2250	
13																	(11.6)	12	19	23	27	30	33	36	37	37	
																		1950	1850	1850	1900	1950	1950	1950	2000	2000	
14																		(12.3)	(12.8)	11	18	23	27	30	32	32	
15																					1750	1650	1700	1700	1700	1750	1750
																		(13.3)	(13.8)	11	18	22	25	25	25	25	
15.71																											

MAC-25 FALL BLOCK LOAD CHART - 40 DEG. ART. COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

S.W.L. IN KILOGRAMS FOR SLEW ANGLES OF GREATER THAN 10 DEGREES UP TO 40 DEGREES EITHER SIDE OF STRAIGHT AHEAD (INDICATED BY RED LED ON DASH).
BOOM ANGLE - UNDEFLECTED (REF.)
NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.

LMI DUTY **101**

S.W.L. ARE BASED ON 66.7% STABILITY & STRENGTH
- S.W.L. ABOVE BOLD RED LINE ARE STRUCTURAL
S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5)
WITH TYRES INFLATED AS PER NOTES
LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

Radius in Metres	BOOM PIVOT TO HEAD SHEAVES - THIRD BOOM RETRACTED (metres)																	THIRD BOOM EXTENDING (metres)									
	6.12	6.50	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.32	14.50	15.00	15.50	16.00	16.50	17.00	17.50	18.00	18.42	
1.4	23750 48	22450 51	20950 54	19200 57	17750 59	16600 61	15600 63	14750 65																			
2.0	17850 40	17850 44	17800 48	16850 51	15950 54	15150 57	14500 59	14500 61	13750 62	13000 64	12350 65	11750															
2.5	14000 32	14000 37	13950 42	13900 46	13900 50	13400 52	12800 55	12300 57	11800 59	11400 61	10950 62	10500 63	10050														
3.0	11450 21	11400 29	11400 35	11350 41	11350 45	11300 48	11300 51	11300 53	10950 55	10550 57	10150 59	9800 61	9500 62	9200 63	8950 64	8600 65	8300										
3.5	9800 (3.4)	9550 17	9550 28	9550 34	9500 39	9500 43	9450 47	9450 49	9450 52	9150 54	8850 56	8550 58	8300 59	8050 61	7850 62	7650 63	7300 65	7250									
4.0		8650 (3.8)	8150 17	8150 27	8150 33	8150 38	8100 42	8100 45	8050 48	8050 51	8000 53	7750 55	7550 56	7350 58	7150 59	6950 61	6650 62	6500 63	6400								
5.0			7450 (4.3)	6500 (4.8)	6200 16	6200 25	6200 31	6200 36	6150 40	6150 43	6150 46	6150 48	6100 50	6100 52	6000 54	5800 56	5600 58	5550 59	5500 61	5400 62	5350 63	5300 64	5200 65	5150 66	5100 68		
6.0					5750 (5.3)	5100 (5.8)	4900 15	4900 24	4900 30	4900 34	4850 38	4850 41	4850 44	4850 46	4850 48	4850 50	4850 53	4750 55	4700 56	4650 57	4600 58	4550 60	4500 61	4450 63	4400 64	4350 66	
7.0							4600 (6.3)	4100 (6.8)	3950 14	3950 23	3950 28	3950 33	3950 36	3950 39	3950 42	3950 44	3900 48	3950 48	3950 50	4000 52	4000 53	3950 54	3900 56	3850 57	3850 58	3800 60	
8.0									3700 (7.3)	3400 (7.8)	3250 14	3250 22	3250 27	3250 31	3250 35	3250 38	3250 42	3250 43	3300 45	3350 47	3350 48	3400 50	3450 51	3400 53	3350 54	3350 55	
9.0											3100 (8.3)	2800 (8.8)	2700 13	2700 21	2700 26	2700 30	2700 35	2700 38	2750 40	2800 42	2850 44	2900 45	2950 47	2950 48	2950 50	2950 51	
10													2550 (9.3)	2350 (9.8)	2300 12	2300 20	2300 28	2300 32	2350 35	2400 38	2450 40	2450 42	2500 44	2550 45	2550 46	2550 47	
11															2150 (10.3)	2000 (10.8)	1950 17	1950 19	2000 24	2050 28	2050 31	2100 34	2150 37	2200 39	2200 41	2200 42	
12																	1750 (11.6)	1700 (11.8)	1750 12	1750 19	1750 23	1800 27	1850 30	1850 33	1900 36	1900 37	
13																			1600 (12.3)	1500 (12.8)	1550 11	1600 18	1650 23	1650 27	1650 30	1650 32	
14																					1450 (13.3)	1350 (13.8)	1400 11	1450 18	1450 22	1450 25	
15																							1300 (14.3)	1250 (14.8)	1250 11	1250 16	
15.71																									1150 (15.3)	1100 (15.7)	

NOTE : WEIGHT OF HOOKS, BLOCKS & OTHER
LOAD HANDLING DEVICES SHALL BE ADDED
TO THE WEIGHT OF THE LOAD

MAC-25 RHINO HOOK LOAD CHART - 10 DEG
COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

S.W.L IN KILOGRAMS FOR SLEW ANGLES OF 10 DEGREES OR LESS EITHER
SIDE OF STRAIGHT AHEAD (INDICATED BY GREEN LED ON DASH).
BOOM ANGLE - UNDEFLECTED (REF.)

NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.

LMI DUTY

S.W.L. ARE BASED ON 66.7% STABILITY & STRENGTH
- S.W.L. ABOVE BOLD RED LINE ARE STRUCTURAL
S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5)
WITH TYRES INFLATED AS PER NOTES
LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS
CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

Radius in Metres	BOOM PIVOT TO HOOK CENTRE - THIRD BOOM RETRACTED (metres)																THIRD BOOM EXTENDING (metres)									
	6.45	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.65	15.00	15.50	16.00	16.50	17.00	17.50	18.00	18.50	18.75
1.4	15000	15000	15000	15000	15000	15000	15000	15000																		
2.0	52	55	58	60	62	64	65																			
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000																
2.5	44	49	52	55	57	59	61	63	64	65																
	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	14200															
3.0	37	43	47	50	53	56	58	59	61	63	64	65														
	13000	12950	12900	12850	12800	12800	12800	12750	12750	12700	12700	12650	12300													
3.5	29	36	41	45	49	52	54	56	58	60	61	62	64	65												
	10900	10900	10900	10850	10800	10800	10750	10750	10700	10700	10700	10650	10650	10650	10600	10600										
4.0	10050	9350	9350	9300	9300	9250	9250	9250	9200	9200	9150	9150	9150	9150	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100	9100
	(3.7)	18	28	34	39	43	46	49	51	53	55	57	58	60	61	62	63	64	65							
5.0		8550	7500	7150	7150	7150	7100	7100	7100	7050	7050	7050	7000	7000	7000	7000	7000	7000	7000	7050	7100	7100	7150	7200	7200	
	(4.3)			17	26	32	37	40	44	46	49	51	53	54	56	57	59	60	61	62	63	64	65	65		
6.0				6650	5900	5700	5700	5650	5650	5650	5650	5600	5600	5600	5600	5600	5550	5600	5650	5650	5700	5750	5750	5800	5850	5850
				(5.3)				16	24	30	35	38	42	44	47	49	51	52	54	55	57	58	59	60	61	62
7.0								5300	4800	4650	4600	4600	4600	4600	4600	4550	4600	4650	4700	4750	4750	4800	4800	4800	4800	4800
								(6.3)																		
8.0																										
									4350	3950	3850	3850	3850	3850	3800	3800	3800	3800	3850	3900	3950	4000	4000	4050	4050	
9.0																										
									(7.3)	(7.8)																
10																										
11																										
12																										
13																										
14																										
15																										
16																										

MAC-25 RHINO HOOK LOAD CHART - 40 DEG
COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

S.W.L IN KILOGRAMS FOR SLEW ANGLES OF GREATER THAN 10 DEGREES UP TO 40
DEGREES EITHER SIDE OF STRAIGHT AHEAD (INDICATED BY RED LED ON DASH).
BOOM ANGLE - UNDEFLECTED (REF.)

NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.

LMI DUTY 102

S.W.L. ARE BASED ON 66.7% STABILITY & STRENGTH
- S.W.L. ABOVE BOLD RED LINE ARE STRUCTURAL
S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5)
WITH TYRES INFLATED AS PER NOTES
LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS
CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

Radius in Metres	BOOM PIVOT TO HOOK CENTRE - THIRD BOOM RETRACTED (metres)																								THIRD BOOM EXTENDING (metres)						
	6.45	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.65	15.00	15.50	16.00	16.50	17.00	17.50	18.00	18.50	18.75					
1.4	15000	15000	15000	15000	15000	15000	14850																								
	52	55	58	60	62	64	65																								
2.0	15000	15000	15000	15000	15000	14650	13850	13100	12400	11850																					
	44	49	52	55	57	59	61	63	64	65																					
2.5	14200	14150	14100	14050	13550	12950	12400	11950	11500	11050	10550	10100																			
	37	43	47	50	53	56	58	59	61	63	64	65																			
3.0	11600	11550	11550	11500	11450	11450	11100	10650	10250	9900	9600	9300	9050	8700																	
	29	36	41	45	49	52	54	56	58	60	61	62	64	65																	
3.5	9750	9700	9700	9650	9650	9600	9600	9550	9250	8950	8650	8400	8150	7950	7700	7500															
	17	29	35	40	44	47	50	52	55	56	58	60	61	62	63	64															
4.0	8950	8300	8300	8300	8250	8250	8200	8200	8150	8100	7850	7650	7400	7200	7000	6850	6650	6550	6450												
	(3.7)	18	28	34	39	43	46	49	51	53	55	57	58	60	61	62	63	64	65												
5.0	7600	6650	6300	6300	6300	6300	6300	6250	6250	6250	6200	6200	6200	6050	5900	5750	5550	5500	5450	5350	5300	5250	5150	5100							
	(4.3)	(4.8)	(5.3)	(5.8)	(6.3)	(6.8)	(7.3)	(7.8)	(8.3)	(8.8)	(9.3)	(9.8)	(10.3)	(10.8)	(11.3)	(11.9)	(12.3)	(12.8)	(13.3)	(13.8)	(14.3)	(14.8)	(15.3)	(15.8)	(16.1)						
6.0																															
7.0																															
8.0																															
9.0																															
10																															
11																															
12																															
13																															
14																															
15																															
16																															

NOTE: WEIGHT OF HOOKS, BLOCKS & OTHER
LOAD HANDLING DEVICES SHALL BE ADDED
TO THE WEIGHT OF THE LOAD

MAC-25 OFFSET HEAD BOTTOM POSITION LOAD CHART - 10 DEG

COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

- S.W.L IN KILOGRAMS FOR SLEW ANGLES OF 10 DEGREES OR LESS EITHER
- SIDE OF STRAIGHT AHEAD (INDICATED BY GREEN LED ON DASH).
- BOOM ANGLE - UNDEFLECTED (REF.)

NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.

LMI DUTY 103

- S.W.L. ARE BASED ON 66.7% STABILITY & STRENGTH
- S.W.L. ABOVE BOLD RED LINE ARE STRUCTURAL
- S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5)
- WITH TYRES INFLATED AS PER NOTES

LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

Radius in Metres	BOOM PIVOT TO EDGE OF SHEAVE - THIRD BOOM RETRACTED (metres)																			THIRD BOOM EXTENDING (metres)							
	6.86	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.06	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19.16	
1.4	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400
2.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400
	49	50	53	56	58	60	62	64	65																		
2.5	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400
	43	44	48	51	54	56	58	60	62	63	65																
3.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400
3.5	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400
	36	38	43	46	50	52	55	57	59	60	62	63	64	65													
4.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400
	27	30	36	41	45	48	51	53	55	57	59	60	62	63	64	65											
5.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400
	(4.2)	19	29	35	40	44	47	50	52	54	56	58	59	60	62	63	64	65									
6.0	8400	7650	7300	7000	6750	6500	6250	6000	5750	5500	5250	5000	4750	4500	4250	4000	3750	3500	3250	3000	2750	2500	2250	2000	1750	1500	
	(4.3)	(4.8)	18	27	33	38	41	44	47	49	52	53	55	57	58	59	61	61	61	62	63	64	65				
7.0	8400	6750	6050	5800	5500	5250	5000	4750	4500	4250	4000	3750	3500	3250	3000	2750	2500	2250	2000	1750	1500	1250	1000	750	500	250	
	(5.3)	(5.8)	16	25	31	36	39	42	45	47	49	51	53	54	56	57	58	59	60	61	62	63	64	65	66	67	
8.0	8400	5400	4900	4750	4500	4250	4000	3750	3500	3250	3000	2750	2500	2250	2000	1750	1500	1250	1000	750	500	250	250	250	250	250	
	(6.3)	(6.8)	16	24	30	34	37	40	43	45	47	49	51	53	54	56	57	59	60	61	62	63	64	65	66	67	
9.0	8400	4450	4050	3950	3700	3450	3200	2950	2700	2450	2200	1950	1700	1450	1200	950	700	450	200	250	250	250	250	250	250	250	
	(7.3)	(7.8)	15	23	28	33	36	39	41	44	46	48	49	51	52	53	55	56	57	58	59	60	61	62	63	64	
10	8400	3700	3400	3300	3050	2800	2550	2300	2050	1800	1550	1300	1050	800	550	300	50	250	250	250	250	250	250	250	250	250	
	(8.3)	(8.8)	14	22	27	31	35	37	40	42	44	46	48	49	51	52	53	55	56	57	58	59	60	61	62	63	
11	8400	3150	2900	2800	2550	2300	2050	1800	1550	1300	1050	800	550	300	50	250	250	250	250	250	250	250	250	250	250	250	
	(9.3)	(9.8)	14	21	26	30	34	36	39	41	44	46	48	49	51	52	53	55	56	57	58	59	60	61	62	63	
12	8400	2650	2450	2400	2150	1900	1650	1400	1150	900	650	400	150	250	250	250	250	250	250	250	250	250	250	250	250	250	
	(10.3)	(10.8)	13	20	26	29	32	35	37	40	42	44	46	48	49	51	52	53	55	56	57	58	59	60	61	62	
13	8400	2300	2100	2050	1800	1550	1300	1050	800	550	300	50	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
	(11.3)	(11.8)	14	20	24	28	31	34	36	39	41	43	45	46	48	49	51	52	53	55	56	57	58	59	60	61	
14	8400	1950	1850	1800	1550	1300	1050	800	550	300	50	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
	(12.4)	(12.8)	12	19	24	27	30	33	36	39	41	43	45	46	48	49	51	52	53	55	56	57	58	59	60	61	
15	8400	1750	1700	1650	1400	1150	900	650	400	150	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
	(13.3)	(13.8)	12	18	23	27	30	33	36	39	41	43	45	46	48	49	51	52	53	55	56	57	58	59	60	61	
16.4	8400	1600	1550	1500	1250	1000	750	500	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
	(14.3)	(14.8)	12	18	23	27	30	33	36	39	41	43	45	46	48	49	51	52	53	55	56	57	58	59	60	61	

MAC-25 OFFSET HEAD BOTTOM POSITION LOAD CHART - 40 DEG
COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

S.W.L. IN KILOGRAMS FOR SLEW ANGLES OF GREATER THAN 10 DEGREES UP TO 40
DEGREES EITHER SIDE OF STRAIGHT AHEAD (INDICATED BY RED LED ON DASH).
BOOM ANGLE - UNDEFLECTED (REF.)

NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.

LMI DUTY

103

S.W.L. ARE BASED ON 66.7% STABILITY & STRENGTH
- S.W.L. ABOVE BOLD RED LINE ARE STRUCTURAL
S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5)
WITH TYRES INFLATED AS PER NOTES
LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS
CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

Radius in Metres	BOOM PIVOT TO EDGE OF SHEAVE - THIRD BOOM RETRACTED (metres)															THIRD BOOM EXTENDING (metres)											
	6.86	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.06	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19.16	
1.4	8400	8400	8400	8400	8400	8400																					
	55	56	59	61	63	65																					
2.0	8400	8400	8400	8400	8400	8400	8400	8400	8400																		
2.5	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400																
	43	44	48	51	54	56	58	60	62	63	65																
3.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400														
3.5	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400										
4.0	8050	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	
5.0	7750	6750	6450	6450	6450	6450	6400	6400	6350	6350	6350	6300	6300	6300	6150	6000	5850	5700	5550	5500	5400	5350	5250	5200			
6.0				5950	5300	5100	5100	5100	5050	5050	5050	5050	5050	5000	5000	5000	4850	4750	4750	4700	4650	4600	4550	4500	4450	4400	
7.0						4750	4300	4150	4150	4150	4100	4100	4100	4100	4050	4050	4050	4050	4050	4050	4050	4000	3950	3900	3850	3800	
8.0						(6.3)	(6.8)	16	24	30	34	37	40	43	45	47	49	51	52	54	55	56	57	59	59	61	
								3900	3500	3400	3400	3400	3400	3400	3400	3400	3350	3350	3350	3400	3400	3450	3450	3400	3400	3350	
9.0								(7.3)	(7.8)	15	23	28	33	36	39	41	44	46	48	49	51	52	53	55	56	57	
										3200	2950	2850	2850	2850	2850	2850	2800	2800	2800	2900	2900	2950	2950	3000	3000	2950	
10										(8.3)	(8.8)	14	22	27	31	35	37	40	42	44	46	48	49	51	52	53	
												2700	2450	2400	2400	2400	2400	2400	2450	2500	2500	2550	2550	2600	2600		
11												(9.3)	(9.8)	14	21	26	30	34	36	39	41	43	45	46	48	50	
															2250	2100	2050	2050	2050	2100	2150	2150	2200	2250	2250		
12															(10.3)	(10.8)	13	20	26	29	32	35	37	40	42	43	
																	1900	1750	1700	1800	1850	1850	1900	1950	1950		
13																(11.3)	14	20	24	28	31	34	36	39	41	41	
																		1600	1550	1550	1600	1650	1650	1700	1700		
14																(12.4)	(12.8)	12	19	24	27	30	33	36	36	36	
																			1450	1350	1400	1400	1450	1450	1500	1500	
15																				(13.3)	(13.8)	12	18	23	27	30	
																							1300	1250	1250	1300	
16.4																							(14.3)	(14.8)	12	18	24
																									1200	1100	1050
																									(15.3)	(15.8)	(16.4)

MAC-25 OFFSET HEAD TOP POSITION LOAD CHART - 10 DEG
COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

LMI DUTY 104

S.W.L. IN KILOGRAMS FOR SLEW ANGLES OF 10 DEGREES OR LESS EITHER
SIDE OF STRAIGHT AHEAD (INDICATED BY GREEN LED ON DASH).
BOOM ANGLE - UNDEFLECTED (REF.)
NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.
LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS
CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

Radius in Metres	BOOM PIVOT TO EDGE OF SHEAVE - THIRD BOOM RETRACTED (metres)																			THIRD BOOM EXTENDING (metres)									
	6.82	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.02	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19.12			
1.4	8400	8400	8400	8400	8400	8400	8400	8400																					
	52	53	56	58	60	62	64																						
2.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400													WINCH S.W.L.						
2.5	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400											SINGLE PART		4200				
	39	41	45	49	52	54	56	58	60	61	63	64										TWO PARTS		8400					
3.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400														
3.5	32	34	40	44	47	50	53	55	57	58	60	61	63	64	65														
	24	27	33	38	42	46	49	51	53	55	57	59	60	61	62	63	64												
4.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400									
	(4.1)	16	26	32	37	41	45	47	50	52	54	56	57	59	60	61	62	63	64										
5.0		8400	7600	7250	7200	7200	7150	7150	7150	7100	7100	7050	7050	7050	7000	7000	7000	6950	7000	7050	7100	7100	7150	7200					
6.0		(4.3)	(4.8)	15	24	30	35	39	42	45	48	50	52	53	55	56	58	59	60	61	62	63	64	65					
				6750	6000	5750	5750	5750	5700	5700	5650	5650	5650	5650	5600	5600	5600	5550	5600	5650	5700	5700	5750	5750	5800	5850			
7.0																													
8.0																													
9.0																													
10																													
11																													
12																													
13																													
14																													
15																													
16.45																													

MAC-25 OFFSET HEAD TOP POSITION LOAD CHART - 40 DEG

COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

S.W.L. IN KILOGRAMS FOR SLEW ANGLES OF GREATER THAN 10 DEGREES UP TO 40 DEGREES EITHER SIDE OF STRAIGHT AHEAD (INDICATED BY RED LED ON DASH).
BOOM ANGLE - UNDEFLECTED (REF.)

NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.

LMI DUTY **104**

S.W.L. ARE BASED ON 66.7% STABILITY & STRENGTH
- S.W.L. ABOVE BOLD RED LINE ARE STRUCTURAL
S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5)
WITH TYRES INFLATED AS PER NOTES

LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

Radius in Metres	BOOM PIVOT TO EDGE OF SHEAVE - THIRD BOOM RETRACTED (metres)																THIRD BOOM EXTENDING (metres)									
	6.82	7.00	7.50	8.00	8.50	9.00	9.50	10.00	10.50	11.00	11.50	12.00	12.50	13.00	13.50	14.00	14.50	15.02	15.50	16.00	16.50	17.00	17.50	18.00	18.50	19.12
1.4	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400
2.0	52	53	56	58	60	62	64																			
	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	WINCH S.W.L.				
2.5	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	SINGLE PART TWO PARTS				
3.0	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400					
3.5	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400	8400					
4.0	8150	8400	8350	8350	8300	8250	8250	8250	8200	8150	7900	7650	7450	7250	7050	6850	6700	6550	6450	6450	6450					
	(4.1)	16	26	32	37	41	45	47	50	52	54	56	57	59	60	61	62	63	64							
5.0		7750	6750	6400	6400	6350	6350	6300	6300	6250	6250	6250	6200	6100	5900	5750	5650	5500	5400	5350	5300	5200	5150	5100		
6.0				5950	5300	5050	5050	5000	5000	5000	5000	4950	4950	4950	4900	4900	4800	4700	4650	4600	4550	4500	4450	4400	4350	4300
				(5.3)	(5.8)	14	23	29	34	37	40	43	46	48	50	51	53	54	56	57	58	59	60	61	62	63
7.0						4750	4250	4100	4100	4100	4050	4050	4050	4050	4000	4000	4000	4000	4000	3950	3900	3850	3800	3750		
8.0						(6.3)	(6.8)	14	22	28	32	36	39	41	44	46	48	50	51	53	54	55	56	57	58	59
								3850	3500	3400	3400	3350	3350	3350	3300	3300	3300	3300	3350	3350	3400	3450	3400	3350	3300	3300
9.0								(7.3)	(7.8)	13	21	27	31	34	37	40	42	44	46	48	49	51	52	53	55	56
10										3200	2900	2800	2800	2800	2800	2800	2800	2750	2800	2850	2900	2950	2950	2950	2950	2950
11										(8.3)	(8.8)	12	20	25	30	33	36	39	41	43	45	46	48	49	51	52
											(9.3)	(9.8)	12	19	25	29	32	35	37	40	42	43	45	47	48	
12																										
13																										
14																										
15																										
16.45																										

NOTE : WEIGHT OF HOOKS, BLOCKS & OTHER
LOAD HANDLING DEVICES SHALL BE ADDED
TO THE WEIGHT OF THE LOAD

MAC-25 3m FLYJIB TOP POSITION AT 0 DEG OFFSET LOAD CHART
COUNTERWEIGHT ON FRONT OF CRANE - SPRING LOCKOUTS ENGAGED

LMI DUTY

105

PIVOT TO FLY JIB MAX LENGTH 21.4m	
MAX RADIUS	SWL
6.10	1500
	65
7.76	1500
	60
9.34	1200
	55
10.83	1200
	50
12.22	970
	45
13.49	970
	40
14.65	850
	35
15.67	850
	30
16.55	770
	25
17.29	770
	20
17.88	750
	15
18.31	750
	10
18.58	750
	5
18.69	750
	0

SWL IN KILOGRAMS FOR SLEW ANGLES UP TO 40 DEGREES EITHER SIDE OF STRAIGHT AHEAD (INDICATED BY RED LED ON DASH).
BOOM ANGLE - UNDEFLECTED (REF.)

NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.
SWL IS AT THIS RADIUS

SPRING LOCKOUTS ARE TO BE ENGAGED FOR ALL LIFTING OPERATIONS

S.W.L. ARE BASED ON 66.6% STABILITY & STRENGTH
ALL FLYJIB S.W.L.'S ARE STRUCTURAL
S.W.L. ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5)
WITH TYRES INFLATED AS PER NOTES
LIFT & CARRY - THE S.W.L. SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

FLYJIB S.W.L.'S AND RADII ARE BASED ON FULLY EXTENDED BOOM.
FOR OPERATION THE BOOM PART OR FULLY RETRACTED
THE SWL WILL BE BASED ON THE BOOM ANGLE, NOT THE ACTUAL RADIUS.

NOTE : WEIGHT OF HOOKS, BLOCKS & OTHER
LOAD HANDLING DEVICES SHALL BE ADDED
TO THE WEIGHT OF THE LOAD