

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	23860	23760	23900	23800	23760	23750	23750																				
	48	51	54	57	59	61	63	65																				
2.0	19950	19900	19850	19800	19750	19750	19700	19650	19650	19600	19300																	
	40	44	48	51	54	57	59	61	62	64	65																	
2.5	15700	15650	15600	15550	15500	15500	15450	15400	15400	15350	14800																	
	32	37	42	46	50	52	55	57	59	61	62	63	65															
3.0	12800	12800	12750	12700	12700	12700	12650	12650	12600	12600	12600	12550	12550	12500	12250													
	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65												
3.5	11050	10750	10750	10700	10700	10650	10650	10600	10600	10600	10600	10550	10550	10500	10500	10500	10500											
	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65											
4.0		9750	9200	9200	9200	9150	9150	9150	9100	9100	9100	9050	9050	9050	9000	9000	9000	9000	9050	9100								
	(3.8)	17	27	33	38	42	45	48	51	53	55	56	58	59	61	62	63	64	65									
5.0		8450	7400	7050	7050	7050	7000	7000	7000	6950	6950	6950	6950	6900	6900	6900	6900	6950	6950	7000	7050	7100	7100	7150	7200			
	(4.3)	16	25	31	36	40	43	46	48	50	52	54	56	58	59	61	62	63	64	65								
6.0		6550	5850	5800	5800	5750	5750	5700	5700	5650	5650	5650	5650	5600	5600	5600	5600	5650	5650	5700	5750	5800	5850	5900	5950	6000	6050	
	(5.3)	15	24	30	34	38	41	44	46	48	50	52	54	56	58	59	61	62	63	64	65							
7.0																												
	(6.3)	14	23	30	34	38	41	44	46	48	50	52	54	56	58	59	61	62	63	64	65							
8.0																												
	(7.3)	14	22	27	31	35	39	42	44	48	50	52	54	56	58	59	61	62	63	64	65							
9.0																												
	(8.3)	13	21	26	30	35	36	39	41	43	45	47	48	50	51	53	54	55	56	57	58	59	60	61	62	63	64	
10																												
	(9.3)	12	20	28	33	38	41	44	46	48	50	52	54	56	58	59	61	62	63	64	65							
11																												
	(10.3)	11	18	26	31	36	40	43	46	48	50	52	54	56	58	59	61	62	63	64	65							
12																												
	(11.6)	11	19	27	32	37	41	44	46	48	50	52	54	56	58	59	61	62	63	64	65							
13																												
	(12.3)	11	18	23	28	33	37	40	43	46	48	50	52	54	56	58	59	61	62	63	64	65						
14																												
	(13.3)	11	18	22	27	32	36	40	43	46	48	50	52	54	56	58	59	61	62	63	64	65						
15																												
	(14.3)	11	16	21	26	31	35	39	42	44	46	48	50	52	54	56	58	59	61	62	63	64	65					
15.71																												
	(15.3)	11	16	21	26	31	35	39	42	44	46	48	50	52	54	56	58	59	61	62	63	64	65					
	(15.7)	11	16	21	26	31	35	39	42	44	46	48	50	52	54	56	58	59	61	62	63	64	65					

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

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

LMI DUTY **101**

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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.)
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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	22450	20950	19200	17750	16600	15600	14750																				
	48	51	54	57	59	61	63	65																				
2.0	17850	17850	17800	16850	15950	15150	14500	13750	13000	12350	11750																	
	40	44	48	51	54	57	59	61	62	64	65																	
2.5	14000	14000	13950	13900	13400	12800	12300	11800	11400	10950	10500	10050																
	32	37	42	46	50	52	55	57	59	61	62	63	65															
3.0	11450	11400	11350	11350	11300	11300	10950	10650	10350	10150	9800	9500	9200	8950	8600	8300												
	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65												
3.5	9800	9650	9550	9500	9450	9450	9450	9450	9450	9150	8850	8550	8300	8050	7850	7650	7300	7250										
	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65											
4.0																												
5.0																												
6.0																												
7.0																												
8.0																												
9.0																												
10																												
11																												
12																												
13																												
14																												
15																												
15.71																												

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LMI DUTY

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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	25000	25000	25000	25000	25000	25000	25000	25000	25000																		
	48	51	54	57	59	61	63	65																			
2.0	23000	22950	22850	22900	22850	22850	22850	22800	22800	22150	19300																
	40	44	48	51	54	57	59	61	62	64	65																
2.5	18200	18150	18100	18050	18000	18000	18000	17950	17950	17900	17750	14600															
	32	37	42	46	50	52	55	57	59	61	62	63	65														
3.0	14900	14900	14850	14800	14800	14800	14750	14750	14700	14700	14700	13500	13000	12600	12250												
	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65											
3.5	12900	12550	12550	12500	12500	12500	12450	12450	12400	12400	12400	11750	11400	10850	10750												
	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65	65									
4.0	11460	10800	10750	10750	10750	10700	10700	10700	10650	10650	10650	10600	10600	10600	10600	10100	10050	9850	9650								
	(3.8)	17	27	33	38	42	45	48	51	53	55	56	58	59	61	62	63	64	65								
5.0	9900	8700	8300	8300	8300	8250	8250	8250	8250	8200	8200	8200	8200	8200	8200	8150	8200	8200	8250	8300	8250	8250	8300	8250	8150	8000	7900
	(4.3)	(4.8)	16	25	31	36	40	43	46	48	50	52	54	56	58	59	61	62	63	64	65						
6.0	7700	6900	6650	6650	6650	6650	6650	6650	6600	6600	6600	6600	6600	6600	6600	6550	6600	6600	6650	6700	6750	6800	6800	6750	6650	6550	6450
	(5.3)	(5.8)	15	24	30	34	38	41	44	46	48	50	53	55	56	58	59	61	62	63	64	65					
7.0	6250	5450	5450	5450	5450	5450	5450	5450	5450	5450	5450	5450	5400	5400	5400	5400	5400	5450	5500	5550	5600	5650	5650	5600	5500	5400	5300
	(6.3)	(6.8)	14	23	28	33	36	39	42	44	46	48	50	53	55	56	58	59	61	62	63	64	65				
8.0	5150	4700	4550	4550	4550	4550	4550	4550	4550	4550	4550	4550	4550	4550	4550	4550	4550	4550	4600	4650	4700	4750	4750	4700	4600	4500	4400
	(7.3)	(7.8)	13	22	27	31	35	38	42	43	45	47	48	50	51	53	54	56	57	58	59	60	61	62			
9.0	4350	4000	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3900	3950	4000	4050	4100	4100	4100	4100	4100	4150
	(8.3)	(8.8)	13	21	26	30	33	36	39	41	44	46	48	50	53	55	56	58	59	61	62	63	64	65			
10	3700	3400	3350	3350	3350	3350	3350	3350	3350	3350	3350	3350	3350	3350	3350	3350	3350	3400	3450	3500	3550	3550	3550	3550	3550	3550	3600
	(9.3)	(9.8)	12	20	28	32	36	38	42	43	45	47	48	50	51	53	54	56	57	58	59	60	61	62			
11	3200	2950	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2900	2950	3000	3050	3100	3100	3100	3100	3150	3150	3200
	(10.3)	(10.8)	17	19	24	28	31	34	37	39	41	43	45	47	48	50	51	53	54	56	57	58	59	60	61	62	
12	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650	2650
	(11.6)	(11.8)	12	19	23	27	30	33	36	37	39	41	43	45	47	48	50	51	53	54	56	57	58	59	60	61	62
13	2450	2350	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2350	2400	2400	2400	2400	2400	2400	2450	2450	2500
	(12.3)	(12.8)	11	18	23	27	30	33	36	37	39	41	43	45	47	48	50	51	53	54	56	57	58	59	60	61	62
14	2200	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2150	2150	2200	
	(13.3)	(13.8)	11	18	22	25	28	31	34	36	37	39	41	43	45	47	48	50	51	53	54	56	57	58	59	60	61
15	2050	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	1950	
	(14.3)	(14.8)	10	16	20	23	26	29	32	34	36	37	39	41	43	45	47	48	50	51	53	54	56	57	58	59	60
15.71	1850	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	
	(15.3)	(15.7)	10	16	20	23	26	29	32	34	36	37	39	41	43	45	47	48	50	51	53	54	56	57	58	59	60

NOTE: WEIGHT OF HOOKS, BLOCKS & OTHER
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LMI DUTY 201

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.)

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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	21760	20200	18550	17250	16160	15200	14400	13700																		
	48	51	54	57	59	61	63	65																		
2.0	19650	18700	17500	16150	15000	14100	13300	12600	12000	11450	10950															
	40	44	48	51	54	57	59	61	62	64	65															
2.5	16250	16250	15600	14700	13900	13200	12400	11750	11150	10650	10200	9800	9400													
	32	37	42	46	50	52	55	57	59	61	62	63	65													
3.0	13300	13300	13250	13250	12500	11900	11400	10900	10400	9900	9500	9100	8750	8450	8150	7850										
	21	29	36	41	45	48	51	53	55	57	59	61	62	63	64	65										
3.5	11450	11150	11150	11100	10800	10300	9900	9600	9200	8800	8450	8150	7850	7600	7350	6950	6500									
	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65									
4.0	10160	9650	9650	9650	9650	9400	9000	8650	8350	8100	7850	7600	7300	7050	6850	6500	6150									
	(3.8)	17	27	33	38	42	45	48	51	53	55	56	58	59	61	62	63	64	65							
5.0	8750	7700	7350	7300	7300	7300	7300	7300	7300	7100	6850	6600	6400	6250	6100	5950	5800	5650	5400							
	(4.3)	16	25	31	36	40	43	46	48	50	52	54	56	58	59	61	62	63	64	65						
6.0			6800	6100	5850	5850	5850	5850	5800	5600	5400	5200	5100	4900	4850	4750	4650	4550	4450	4350						
			(5.3)	15	24	30	34	38	41	44	46	48	50	53	55	56	57	58	60	61	62					
7.0					5450	4950	4750	4750	4750	4750	4750	4750	4550	4450	4250	4150	4050	4000	3950	3850	3750	3650	3550	3450	3350	3250
					(6.3)	14	23	28	33	36	39	42	44	48	48	50	52	53	54	56	57	58	59	60	61	62
8.0							4800	4100	3950	3950	3950	3900	3750	3750	3700	3650	3600	3550	3500	3450	3350	3250	3150	3100	3000	2900
							(7.3)	13	22	27	31	35	38	42	43	45	47	48	50	51	53	54	55	56	57	
9.0									3750	3450	3350	3350	3350	3350	3350	3300	3250	3200	3150	3100	3050	2950	2850	2750	2650	
									(8.3)	13	21	26	30	35	36	39	41	43	45	47	48	50	51	52	53	
10											3150	2950	2850	2850	2850	2800	2750	2700	2650	2600	2550	2500	2450	2400		
											(9.3)	12	20	28	29	32	35	38	40	42	44	45	47	48	49	
11												2700	2500	2450	2450	2450	2400	2350	2300	2250	2200	2150	2100	2050		
												(10.3)	12	20	28	31	34	37	39	41	42	43	44	45	46	
12																										
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