

MAC-25 FALL BLOCK LOAD CHART - 10 DEG. ART

COUNTERWEIGHT ON REAR 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 **201**

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	25000	25000	25000	25000	25000	25000	25000	25000																			
	48	51	54	57	59	61	63	65																			
2.0	23000	22950	22850	22950	22900	22850	22850	22800	22800	22150	19300											WINCH S.W.L.					
	40	44	48	51	54	57	59	61	62	64	65											SINGLE PART		4200			
2.5	18200	18150	18150	18100	18050	18000	18000	17950	17950	17900	17750	15550	14600									TWO PARTS		8400			
	32	37	42	46	50	52	55	57	59	61	62	63	65									FOUR PARTS		16800			
3.0	14900	14900	14900	14850	14800	14800	14750	14750	14700	14700	14700	14350	13500	13000	12600	12250						SIX PARTS		25000			
	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	12350	12350	12150	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		11450	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	8200	8200	8200	8200	8200	8200	8150	8200	8200	8250	8300	8250	8150	8000	7900		
			(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					7700	6900	6650	6650	6650	6600	6600	6600	6600	6600	6600	6550	6550	6550	6600	6650	6700	6750	6750	6800	6800	6850	
					(5.3)	(5.8)	15	24	30	34	38	41	44	46	48	50	53	53	55	56	57	58	60	61	61	62	
7.0							6250	5650	5450	5450	5450	5450	5450	5400	5400	5400	5400	5400	5450	5500	5550	5550	5600	5650	5650	5700	
							(6.3)	(6.8)	14	23	28	33	36	39	42	44	48	48	50	52	53	54	56	57	58	59	
8.0									5150	4700	4550	4550	4550	4550	4550	4550	4550	4550	4600	4650	4650	4700	4750	4750	4800	4800	
									(7.3)	(7.8)	13	22	27	31	35	38	42	43	45	47	48	50	51	53	54	55	
9.0											4350	4000	3900	3900	3900	3900	3850	3900	3900	3950	4000	4050	4050	4100	4100	4150	
											(8.3)	(8.8)	13	21	26	30	35	36	39	41	43	45	47	48	50	51	
10													3700	3400	3350	3350	3350	3350	3400	3400	3450	3500	3500	3550	3550	3600	
													(9.3)	(9.8)	12	20	28	29	32	35	38	40	42	44	45	47	
11															3200	2950	2900	2900	2950	3000	3000	3050	3050	3100	3150	3150	
															(10.3)	(10.8)	17	19	24	28	31	34	37	39	41	42	
12				NOTE : WEIGHT OF HOOKS, BLOCKS & OTHER LOAD HANDLING DEVICES SHALL BE ADDED TO THE WEIGHT OF THE LOAD														2650	2600	2550	2600	2650	2650	2700	2750	2750	2800
																		(11.6)	(11.8)	12	19	23	27	30	33	36	37
13																				2450	2350	2300	2350	2400	2400	2450	2450
																				(12.3)	(12.8)	11	18	23	27	30	32
14																						2200	2100	2100	2150	2150	2200
																						(13.3)	(13.8)	11	18	22	25
15																								2050	1950	1950	1950
																								(14.3)	(14.8)	10	16
15.71																										1850	1800
																										(15.3)	(15.7)

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 REAR 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 **201**

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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	21750	20200	18550	17250	16150	15200	14400	13700																					
	48	51	54	57	59	61	63	65																					
2.0	19850	18700	17500	16150	15000	14100	13300	12600	12000	11450	10950											WINCH S.W.L.							
	40	44	48	51	54	57	59	61	62	64	65											SINGLE PART		4200					
2.5	16250	16250	15600	14700	13900	13200	12400	11750	11150	10650	10200	9800	9400									TWO PARTS		8400					
	32	37	42	46	50	52	55	57	59	61	62	63	65									FOUR PARTS		16800					
3.0	13300	13300	13250	13250	12500	11900	11400	10900	10400	9900	9500	9100	8750	8450	8150	7850						SIX PARTS		25000					
	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65													
3.5	11450	11150	11150	11150	11100	10800	10300	9900	9500	9200	8800	8450	8150	7850	7600	7350	6950	6900											
	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65	65											
4.0		10150	9550	9550	9550	9400	9000	8650	8350	8100	7850	7550	7300	7050	6850	6500	6450	6300	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	7100	6850	6600	6400	6250	6100	5950	5650	5600	5500	5400	5300	5200	5100	5050	4950					
			(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					6800	6100	5850	5850	5800	5800	5800	5700	5550	5350	5200	5100	4900	4850	4800	4750	4650	4600	4550	4450	4400	4350			
					(5.3)	(5.8)	15	24	30	34	38	41	44	46	48	50	53	53	55	56	57	58	60	61	61	62			
7.0							5450	4950	4750	4750	4750	4750	4750	4700	4550	4450	4250	4250	4200	4150	4100	4050	4000	3950	3900	3850			
							(6.3)	(6.8)	14	23	28	33	36	39	42	44	48	48	50	52	53	54	56	57	58	59			
8.0									4500	4100	3950	3950	3950	3950	3950	3900	3750	3750	3700	3650	3600	3600	3550	3500	3500	3450			
									(7.3)	(7.8)	13	22	27	31	35	38	42	43	45	47	48	50	51	53	54	55			
9.0												3750	3450	3350	3350	3350	3350	3350	3300	3250	3200	3200	3150	3150	3100	3100			
												(8.3)	(8.8)	13	21	26	30	35	36	39	41	43	45	47	48	50	51		
10														3150	2950	2850	2850	2850	2850	2900	2900	2900	2850	2850	2800	2750			
														(9.3)	(9.8)	12	20	28	29	32	35	38	40	42	44	45	47		
11																2700	2500	2450	2450	2500	2550	2550	2600	2550	2550	2500	2500		
																(10.3)	(10.8)	17	19	24	28	31	34	37	39	41	42		
12				NOTE : WEIGHT OF HOOKS, BLOCKS & OTHER LOAD HANDLING DEVICES SHALL BE ADDED TO THE WEIGHT OF THE LOAD														2200	2150	2150	2200	2250	2250	2300	2300	2300	2300		
																		(11.6)	(11.8)	12	19	23	27	30	33	36	37		
13																				2050	1950	1950	2000	2000	2050	2050	2100		
																			(12.3)	(12.8)	11	18	23	27	30	32			
14																						1850	1750	1750	1800	1800	1850		
																						(13.3)	(13.8)	11	18	22	25		
15																								1700	1600	1600	1650		
																								(14.3)	(14.8)	10	16		
15.71																										1550	1500		
																										(15.3)	(15.7)		

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