

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

LMI DUTY

301

STANDARD 1500 KG COUNTERWEIGHT (PLMXF2009) + EXTRA 2160 KG COUNTERWEIGHT (PLMXF2019-) ON REAR OF CRANE - SPRING LOCKOUTS ENGAGED

RC IN KILOGRAMS FOR SLEW ANGLES OF 10 DEGREES OR LESS EITHER SIDE OF STRAIGHT AHEAD (INDICATED BY GREEN LED ON DASH).

RC ABOVE BOLD RED LINE ARE STRUCTURAL
RC ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5) WITH TYRES INFLATED AS PER NOTES

BOOM ANGLE - UNDEFLECTED (REF.)

NOTE : VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.
RC ARE BASED ON 66.6% STABILITY & STRENGTH

LIFT & CARRY - THE RC SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 m/s (1.44 km/h)

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																					
2.0	48	51	54	57	59	61	63	65																					
	23400	23400	23250	23350	23350	23300	23300	23250	22150	19300																			
	40	44	48	51	54	57	59	61	62	64	65																		
2.5	21450	21400	21350	21350	21300	21250	21250	21200	21200	20450	17750	15550	14600																
	32	37	42	46	50	52	55	57	59	61	62	63	65																
3.0	17600	17600	17600	17550	17500	17500	17450	17450	17400	17400	16500	14350	13500	13000	12600	12250													
	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65													
3.5	15250	14850	14850	14850	14800	14800	14750	14750	14750	14700	14700	13350	12600	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		13600	12800	12800	12800	12750	12750	12750	12700	12700	12700	12550	11750	11350	10950	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			11800	10400	9900	9900	9900	9900	9900	9850	9850	9850	9850	9800	9650	9350	8900	8800	8650	8500	8400	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					9250	8300	8000	8000	8000	8000	8000	7950	7950	7950	7950	7900	7900	7900	7750	7600	7450	7350	7200	7100	7000	6950			
					(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						7500	6850	6600	6600	6600	6600	6600	6600	6600	6600	6550	6600	6600	6650	6700	6600	6500	6400	6300	6250				
						(6.3)	(6.8)	14	23	28	33	36	39	42	44	48	48	50	52	53	54	56	57	58	59				
8.0									6250	5750	5600	5600	5600	5600	5550	5550	5550	5550	5600	5650	5700	5700	5750	5800	5700	5650			
									(7.3)	(7.8)	13	22	27	31	35	38	42	43	45	47	48	50	51	53	54	55			
9.0											5300	4900	4800	4800	4800	4800	4750	4800	4850	4850	4900	4950	4950	5000	5000	5050			
											(8.3)	(8.8)	13	21	26	30	35	36	39	41	43	45	47	48	50	51			
10													4550	4250	4150	4150	4150	4150	4200	4250	4250	4300	4350	4350	4400	4400			
													(9.3)	(9.8)	12	20	28	29	32	35	38	40	42	44	45	47			
11															3950	3700	3600	3650	3700	3700	3750	3800	3800	3850	3850	3900			
															(10.3)	(10.8)	17	19	24	28	31	34	37	39	41	42			
12																	3350	3250	3250	3300	3300	3350	3400	3400	3450	3450			
																	(11.6)	(11.8)	12	19	23	27	30	33	36	37			
13																			3100	2950	2950	3000	3000	3050	3050	3100			
																			(12.3)	(12.8)	11	18	23	27	30	32			
14																				2850	2700	2700	2700	2750	2750				
																				(13.3)	(13.8)	11	18	22	25				
15																							2600	2500	2450	2500			
																							(14.3)	(14.8)	10	16			
15.71																									2400	2300			
																									(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.

STANDARD 1500 KG COUNTERWEIGHT (PLMXF2009) + EXTRA 2160 KG COUNTERWEIGHT (PLMXF2019-) ON REAR OF CRANE - SPRING LOCKOUTS ENGAGED

LMI DUTY

301

RC 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.)

RC ABOVE BOLD RED LINE ARE STRUCTURAL
 RC ARE BASED ON FIRM LEVEL GROUND (1% SLOPE (0.6 DEG) AS PER AS1418.5) WITH TYRES INFLATED AS PER NOTES
 LIFT & CARRY - THE RC SHALL BE CARRIED WITH THE MINIMUM BOOM LENGTH & AS CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 m/s (1.44 km/h)

NOTE: VALUES IN BRACKETS () ARE ACTUAL RADIUS AT ZERO DEG. BOOM ANGLE.
 RC ARE BASED ON 66.6% STABILITY & STRENGTH

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	2100	19600	18100	16900	15900	15000	14250	13600																				
	48	51	54	57	59	61	63	65																				
2.0	20650	18850	17150	15850	14800	13900	13200	12550	11950	11450	11000																	
	40	44	48	51	54	57	59	61	62	64	65																	
2.5	18900	17700	16450	15050	13950	13100	12350	11700	11150	10700	10250	9850	9500															
	32	37	42	46	50	52	55	57	59	61	62	63	65															
3.0	15700	15700	15000	14000	13200	12300	11600	11000	10450	10000	9550	9200	8850	8550	8250	8000												
	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65												
3.5	13600	13250	13200	12850	12100	11500	10900	10300	9800	9350	8950	8600	8300	8000	7700	7500	7100	7050										
	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65	65										
4.0		12050	11350	11350	11150	10550	10050	9650	9150	8750	8400	8050	7750	7500	7250	7000	6650	6450	6350									
		(3.8)	17	27	33	38	42	45	48	51	53	55	56	58	59	61	62	63	64	65								
5.0			10450	9200	8750	8750	8700	8250	7900	7650	7350	7100	6800	6600	6350	6150	5850	5800	5700	5600	5500	5400	5300	5200	5100			
			(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					8200	7350	7050	7050	6950	6650	6400	6200	6000	5850	5650	5450	5200	5150	5050	4950	4900	4800	4700	4650	4600	4500		
					(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							6600	6000	5800	5800	5700	5500	5300	5150	5000	4850	4650	4600	4500	4450	4350	4300	4250	4150	4100	4050		
							(6.3)	(6.8)	14	23	28	33	36	39	42	44	48	48	50	52	53	54	56	57	58	59		
8.0									5500	5050	4850	4850	4750	4600	4450	4300	4150	4100	4050	4000	3950	3900	3800	3750	3700	3700		
									(7.3)	(7.8)	13	22	27	31	35	38	42	43	45	47	48	50	51	53	54	55		
9.0											4650	4250	4150	4150	4050	3900	3700	3700	3650	3600	3550	3500	3450	3400	3350	3350		
											(8.3)	(8.8)	13	21	26	30	35	36	39	41	43	45	47	48	50	51		
10													3950	3650	3550	3550	3350	3350	3300	3250	3200	3200	3150	3100	3100	3050		
													(9.3)	(9.8)	12	20	28	29	32	35	38	40	42	44	45	47		
11															3400	3200	3100	3100	3050	2950	2950	2900	2850	2850	2800	2800		
															(10.3)	(10.8)	17	19	24	28	31	34	37	39	41	42		
12																	2850	2800	2750	2800	2700	2650	2650	2600	2550	2550		
																	(11.6)	(11.8)	12	19	23	27	30	33	36	37		
13																			2650	2500	2500	2500	2450	2400	2400	2350		
																			(12.3)	(12.8)	11	18	23	27	30	32		
14																					2400	2300	2300	2250	2200	2200		
																					(13.3)	(13.8)	11	18	22	25		
15																							2200	2100	2100	2100		
																							(14.3)	(14.8)	10	16		
15.71																									2000	1950		
																									(15.3)	(15.7)		