

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 86.7% 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	23800	23800	23750	23750	23750	23750																		
2.0	19950	19900	19850	19800	19750	19700	19650	19650	19650	19600	19300																
2.5	15700	15650	15600	15550	15500	15450	15450	15450	15450	15400	15350	14600															
3.0	12800	12800	12750	12700	12700	12650	12650	12650	12600	12600	12550	12550	12550	12550	12500	12250											
3.5	11060	10750	10750	10700	10700	10650	10650	10650	10600	10600	10550	10550	10550	10550	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
4.0	9750	9200	9200	9200	9150	9150	9150	9150	9100	9100	9050	9050	9050	9050	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000
5.0			8450	7400	7050	7050	7050	7000	7000	6950	6950	6950	6950	6950	6900	6900	6900	6900	6900	6900	6900	6900	6900	6900	6900	6900	6900
6.0					6550	5850	5600	5600	5600	5600	5550	5550	5550	5550	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500	5500
7.0																											
8.0																											
9.0																											
10																											
11																											
12																											
13																											
14																											
15																											
15.71																											

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

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

LMI DUTY **201**

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.)

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

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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	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000	25000
2.0	48	51	54	57	59	61	63	65																			
2.5	40	44	48	51	54	57	59	61	62	64	65																
3.0	32	37	42	46	50	52	55	57	59	61	62	63	65														
3.5	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65											
4.0	(3.4)	17	28	34	39	43	47	49	52	54	56	58	59	61	62	63	65	65									
5.0		(3.8)	17	27	33	38	42	45	48	51	53	55	56	58	59	61	62	63	64	65							
6.0			(4.3)	16	25	31	36	40	43	46	48	50	52	54	56	58	59	61	62	63	64	65					
7.0				(5.3)	15	24	30	34	38	41	44	46	48	50	53	55	56	57	58	60	61	62					
8.0					(6.3)	14	23	28	33	36	39	42	44	48	50	52	53	54	56	57	58	59					
9.0						(7.3)	13	22	27	31	35	38	42	43	45	47	48	50	51	53	54	55					
10							(8.3)	13	21	26	30	35	36	38	39	41	43	45	47	48	50	51					
11								(9.3)	12	20	28	29	32	35	38	40	42	44	45	47	48	50					
12									(10.3)	17	19	24	28	31	34	37	39	41	42								
13										(11.8)	12	19	23	27	30	33	36	37									
14											(12.8)	11	18	23	27	30	32										
15												(13.3)	11	18	22	25											
15.71													(14.3)	10	16												
															(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

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 CLOSE TO THE GROUND AS POSSIBLE AT SPEEDS NOT IN EXCESS OF 0.4 M/SEC (1.44 KM/HR)

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.

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	17260	16150	15200	14400	13700																			
	48	51	54	57	59	61	63	65																			
2.0	19850	18700	17500	16150	15000	14100	13300	12600	12000	11450	10850																
	40	44	48	51	54	57	59	61	62	64	65																
2.5	16260	16260	15600	14700	13900	13200	12400	11750	11150	10550	9400																
	32	37	42	46	50	52	55	57	59	61	62	63	65														
3.0	13300	13300	13250	12500	11900	11400	10900	10400	9900	9500	9100	8750	8450	8150	7850												
	21	29	35	41	45	48	51	53	55	57	59	61	62	63	64	65											
3.5	11480	11160	11160	11160	10800	10300	9900	9600	9200	8800	8450	8160	7850	7600	7350	6900											
	(3.4)	17	28	34	38	43	47	49	52	54	56	58	59	61	62	63	65	65									
4.0	10160	9560	9560	9560	9560	9400	9000	8650	8350	8100	7850	7650	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	8760	7700	7350	7300	7300	7300	7300	7300	7300	7100	6850	6600	6400	6250	6100	5950	5850	5800	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	58	58	58	58	58	58	58	58	58	58	58
6.0																											
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