


# CRAWLERAILER


by REXQUOTE

MACHINE TYPE	CX135L (Offset monoboom)
SERIAL No	13U0301
Bogie No	1903
EQUIPMENT	4m48 + 2m10
DATE	29 July 2004
Issue	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

<b>1a</b> 	ROAD	LEVEL ROAD @ 71% of tipping load
	SECTOR	360° FOW
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.77a	5.08a						
6m		5.17a	5.30a	5.13	4.05				
5m		5.10a	5.30a	5.07	4.02	3.29	2.74		
4m		7.46a	6.4	4.87	3.89	3.2	2.69	2.29	
3m			5.91	4.57	3.68	3.06	2.59	2.23	1.93
2m				4.23	3.46	2.9	2.48	2.14	1.87
1m				3.98	3.27	2.76	2.37	2.06	1.82
0m			4.92	3.85	3.15	2.66	2.29	2.01	1.77
-1m		6.86	4.9	3.8	3.1	2.62	2.26	1.98	
-2m		6.94	4.94	3.82	3.11	2.62	2.26		
-3m		7.09	5.05	3.91	3.19				

<b>1a</b> 	ROAD	LEVEL ROAD @ 71% of tipping load
	SECTOR	360° FOW
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.77a	5.08a						
6m		5.17a	5.30a	5.13	4.05				
5m		5.10a	5.30a	5.07	4.02	3.29	2.74		
4m		7.46a	6.4	4.87	3.89	3.2	2.69	2.29	
3m			5.91	4.57	3.68	3.06	2.59	2.23	1.93
2m				4.23	3.46	2.9	2.48	2.14	1.87
1m				3.98	3.27	2.76	2.37	2.06	1.82
0m			4.92	3.85	3.15	2.66	2.29	2.01	1.77
-1m		6.86	4.9	3.8	3.1	2.62	2.26	1.98	
-2m		6.94	4.94	3.82	3.11	2.62	2.26		
-3m		7.09	5.05	3.91	3.19				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
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<b>2a</b> 	<b>ROAD</b>	0 to 50mm CANT @ 66% of tipping load
	<b>SECTOR</b>	±45° OVER OSCILLATING AXLE(FRONT)
	<b>OSC. AXLE</b>	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.49	1.93	1.52					
6m		2.5	1.95	1.56	1.26	1.02			
5m		2.39	1.87	1.5	1.22	1	0.75		
4m		2.1	1.67	1.36	1.12	0.91	0.68	0.48	
3m			1.38	1.16	0.98	0.76	0.57	0.41	0.26
2m				0.96	0.77	0.59	0.44	0.31	0.2
1m				0.76	0.6	0.46	0.34	0.23	0.14
0m			0.86	0.65	0.5	0.37	0.27	0.17	0.09
-1m		1.11	0.85	0.63	0.46	0.34	0.24	0.15	
-2m		1.16	0.9	0.66	0.48	0.36			
-3m			1	0.76	0.59				

<b>2a</b> 	<b>ROAD</b>	0 to 50mm CANT @ 66% of tipping load
	<b>SECTOR</b>	±45° OVER OSCILLATING AXLE(FRONT)
	<b>OSC. AXLE</b>	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.56	3.96	2.98					
6m		5.06a	3.99	3.03	2.39	1.92			
5m		5.30a	3.86	2.95	2.34	1.9	1.57		
4m		4.92	3.57	2.75	2.21	1.81	1.51	1.27	
3m			3.14	2.48	2.02	1.68	1.42	1.21	1.03
2m				2.2	1.83	1.54	1.32	1.13	0.98
1m				2.02	1.68	1.43	1.23	1.07	0.91
0m			2.42	1.92	1.59	1.35	1.17	1.02	0.86
-1m		3.28	2.41	1.9	1.56	1.32	1.14	1.01	
-2m		3.36	2.46	1.93	1.58	1.34			
-3m			2.57	2.02	1.67				


<b>NOTES</b>	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum & maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar). All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm
<b>PAGE</b>	2 Of 14

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MACHINE TYPE	CX135L (Offset monoboom)
SERIAL No	13U0301
Bogie No	1903
EQUIPMENT	4m48 + 2m10
DATE	29 July 2004
Issue	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

<b>2b</b> 	ROAD	0 to 50mm CANT @ 66% of tipping load
	SECTOR	±45° to ±135°
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.75	1.91	1.37					
6m		2.77	1.95	1.43	1.07	0.71			
5m		2.6	1.82	1.35	1.02	0.68	0.4		
4m		2.16	1.55	1.16	0.85	0.55	0.32	0.12	
3m			1.15	0.87	0.58	0.36	0.18	0.03	
2m				0.48	0.31	0.16	0.03		
1m				0.21	0.09				
0m			0.22	0.07					
-1m		0.53	0.21	0.04					
-2m		0.63	0.28	0.08					
-3m			0.44	0.21	0.08				

<b>2b</b> 	ROAD	0 to 50mm CANT @ 66% of tipping load
	SECTOR	±45° to ±135°
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.13	3.14	2.12					
6m		5.06a	3.19	2.19	1.59	1.17			
5m		4.89	3.02	2.08	1.53	1.15	0.83		
4m		4.17	2.62	1.84	1.37	1.04	0.73	0.45	
3m			2.05	1.5	1.14	0.85	0.57	0.34	0.16
2m				1.15	0.88	0.61	0.39	0.22	0.07
1m				0.89	0.61	0.4	0.24	0.1	
0m			1.09	0.72	0.45	0.27	0.13	0.03	
-1m		1.72	1.08	0.67	0.4	0.22	0.09		
-2m		1.83	1.14	0.72	0.43	0.25			
-3m			1.29	0.9	0.59				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
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	ROAD	0 to 50mm CANT @ 66% of tipping load
	SECTOR	±45° OVER FIXED AXLE(REAR)
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.87	2.06	1.53					
6m		2.9	2.1	1.58	1.21	0.92			
5m		2.73	1.98	1.5	1.17	0.89	0.59		
4m		2.34	1.73	1.33	1.05	0.76	0.51	0.3	
3m			1.35	1.08	0.83	0.58	0.38	0.21	0.07
2m				0.77	0.56	0.39	0.24	0.11	
1m				0.51	0.36	0.23	0.11	0.01	
0m			0.6	0.39	0.24	0.12	0.03		
-1m		0.97	0.59	0.35	0.2	0.08			
-2m		1.04	0.65	0.39	0.22	0.11			
-3m			0.8	0.52	0.34				

	ROAD	0 to 50mm CANT @ 66% of tipping load
	SECTOR	±45° OVER FIXED AXLE(REAR)
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.43	3.33	2.26					
6m		5.06a	3.38	2.34	1.7	1.27			
5m		5.18	3.21	2.23	1.64	1.25	0.95		
4m		4.46	2.82	1.99	1.48	1.14	0.85	0.56	
3m			2.24	1.64	1.26	0.99	0.69	0.45	0.26
2m				1.3	1.03	0.75	0.52	0.33	0.17
1m				1.06	0.79	0.55	0.36	0.21	0.09
0m			1.28	0.94	0.63	0.42	0.26	0.14	0.03
-1m		2.01	1.27	0.89	0.57	0.37	0.22	0.11	
-2m		2.12	1.33	0.94	0.61	0.4			
-3m			1.48	1.07	0.77				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
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# CRAWLERAILER


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<b>MACHINE TYPE</b>	CX135L (Offset monoboom)
<b>SERIAL No</b>	13U0301
<b>Bogie No</b>	1903
<b>EQUIPMENT</b>	4m48 + 2m10
<b>DATE</b>	29 July 2004
<b>Issue</b>	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

<b>3a</b> 	<b>ROAD</b>	50 to 150mm CANT @ 66% of tipping load
	<b>SECTOR</b>	±45° OVER OSCILLATING AXLE(FRONT)
	<b>OSC. AXLE</b>	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.32	1.65	1.19					
6m		2.35	1.68	1.24	0.92	0.56			
5m		2.19	1.57	1.17	0.85	0.53	0.28		
4m		1.8	1.32	1	0.67	0.4	0.2	0.02	
3m			0.94	0.65	0.41	0.22	0.07		
2m				0.28	0.15	0.03			
1m				0.03					
0m			0.01						
-1m		0.22	0						
-2m		0.32	0.06						
-3m			0.21	0.04					

<b>3a</b> 	<b>ROAD</b>	50 to 150mm CANT @ 66% of tipping load
	<b>SECTOR</b>	±45° OVER OSCILLATING AXLE(FRONT)
	<b>OSC. AXLE</b>	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.67a	3.77	2.6					
6m		5.06a	3.82	2.67	1.98	1.5			
5m		5.30a	3.65	2.57	1.92	1.48	1.16		
4m		5.09	3.26	2.33	1.76	1.37	1.09	0.83	
3m			2.69	1.99	1.54	1.22	0.99	0.72	0.5
2m				1.65	1.31	1.06	0.82	0.6	0.41
1m				1.41	1.13	0.91	0.67	0.48	0.33
0m			1.74	1.3	1.03	0.78	0.57	0.41	0.28
-1m		2.68	1.73	1.27	0.99	0.72	0.53	0.38	
-2m		2.79	1.79	1.3	1.01	0.75			
-3m			1.94	1.42	1.12				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
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<b>3b</b> 	ROAD	50 to 150mm CANT @ 66% of tipping load
	SECTOR	±45° to ±135°
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.89	1.86	1.25					
6m		2.93	1.9	1.32	0.91	0.5			
5m		2.7	1.76	1.22	0.83	0.46	0.19		
4m		2.16	1.43	1.01	0.62	0.32	0.09		
3m			0.94	0.58	0.31	0.11			
2m				0.13	0				
1m									
0m									20
-1m									20
-2m		0.06							
-3m									

<b>3b</b> 	ROAD	50 to 150mm CANT @ 66% of tipping load
	SECTOR	±45° to ±135°
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		4.89	2.97	2					
6m		4.93	3.02	2.07	1.49	1.09			
5m		4.64	2.85	1.96	1.43	1.07	0.72		
4m		3.93	2.46	1.72	1.27	0.96	0.62	0.36	
3m			1.88	1.37	1.04	0.73	0.46	0.25	0.08
2m				1.03	0.73	0.48	0.28	0.12	
1m				0.7	0.46	0.28	0.13	0.01	
0m			0.89	0.53	0.3	0.15	0.03		
-1m		1.47	0.88	0.48	0.25	0.09			
-2m		1.58	0.97	0.53	0.28	0.12			
-3m			1.12	0.71	0.44				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
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	ROAD	50 to 150mm CANT @ 66% of tipping load
	SECTOR	±45° OVER FIXED AXLE(REAR)
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.28	1.61	1.16					
6m		2.3	1.65	1.22	0.88	0.52			
5m		2.14	1.53	1.14	0.81	0.5	0.25		
4m		1.76	1.28	0.97	0.63	0.37	0.17		
3m			0.89	0.6	0.38	0.19	0.04		
2m				0.24	0.12				
1m									
0m									
-1m		0.16							
-2m		0.25	0.01						
-3m			0.15						

	ROAD	50 to 150mm CANT @ 66% of tipping load
	SECTOR	±45° OVER FIXED AXLE(REAR)
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		3.77	2.55	1.83					
6m		3.8	2.59	1.89	1.42	1.08			
5m		3.59	2.46	1.8	1.37	1.06	0.75		
4m		3.08	2.15	1.59	1.23	0.96	0.66	0.42	
3m			1.69	1.31	1.03	0.76	0.51	0.32	0.15
2m				1.02	0.77	0.54	0.36	0.2	0.07
1m				0.75	0.53	0.36	0.22	0.1	
0m			0.91	0.6	0.4	0.25	0.13	0.03	
-1m		1.33	0.9	0.56	0.35	0.2	0.09	0	
-2m		1.41	0.97	0.61	0.38	0.23			
-3m			1.09	0.76	0.52				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
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<b>4a</b> 	ROAD	LEVEL ROAD @ 75% of tipping load	DUTIES 4,5 & 6 ARE FOR LONDON UNDERGROUND USE ONLY
	SECTOR	360° FOW	
	OSC. AXLE	FLOAT (LIFT & CARRY)	

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.77a	5.08a						
6m		5.17a	5.30a	5.34b	4.28				
5m		5.10a	5.30a	5.35	4.25	3.47	2.89		
4m		7.46a	6.76	5.15	4.11	3.38	2.84	2.42	
3m			6.24	4.82	3.89	3.23	2.74	2.35	2.04
2m				4.47	3.65	3.06	2.61	2.26	1.98
1m				4.21	3.46	2.91	2.5	2.18	1.92
0m			5.2	4.07	3.33	2.81	2.42	2.12	1.87
-1m		7.24a	5.17	4.02	3.28	2.76	2.38	2.09	
-2m		7.33	5.21	4.04	3.29	2.77	2.39		
-3m		7.49	5.33	4.13	3.37				

<b>4a</b> 	ROAD	LEVEL ROAD @ 75% of tipping load
	SECTOR	360° FOW
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.77a	5.08a						
6m		5.17a	5.30a	5.34b	4.28				
5m		5.10a	5.30a	5.35	4.25	3.47	2.89		
4m		7.46a	6.76	5.15	4.11	3.38	2.84	2.42	
3m			6.24	4.82	3.89	3.23	2.74	2.35	2.04
2m				4.47	3.65	3.06	2.61	2.26	1.98
1m				4.21	3.46	2.91	2.5	2.18	1.92
0m			5.2	4.07	3.33	2.81	2.42	2.12	1.87
-1m		7.24a	5.17	4.02	3.28	2.76	2.38	2.09	
-2m		7.33	5.21	4.04	3.29	2.77	2.39		
-3m		7.49	5.33	4.13	3.37				


<b>NOTES</b>	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum & maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar). All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm
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# CRAWLERAILER


by REXQUOTE

MACHINE TYPE	CX135L (Offset monoboom)
SERIAL No	13U0301
Bogie No	1903
EQUIPMENT	4m48 + 2m10
DATE	29 July 2004
Issue	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

<b>5a</b> 	<b>ROAD</b>	0 to 50mm CANT @ 75% of tipping load
	<b>SECTOR</b>	±45° OVER OSCILLATING AXLE(FRONT)
	<b>OSC. AXLE</b>	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.82	2.19	1.72					
6m		2.84	2.22	1.77	1.43	1.16			
5m		2.71	2.12	1.7	1.39	1.14	0.94		
4m		2.38	1.9	1.54	1.27	1.06	0.89	0.74	
3m			1.57	1.32	1.11	0.94	0.8	0.68	0.57
2m				1.09	0.95	0.82	0.71	0.61	0.52
1m				0.94	0.82	0.72	0.63	0.55	0.48
0m			1.02	0.86	0.75	0.65	0.57	0.5	0.45
-1m		1.26	1.01	0.84	0.72	0.63	0.55	0.49	
-2m		1.32	1.05	0.87	0.74	0.64			
-3m			1.13	0.94	0.81				

<b>5a</b> 	<b>ROAD</b>	0 to 50mm CANT @ 75% of tipping load
	<b>SECTOR</b>	±45° OVER OSCILLATING AXLE(FRONT)
	<b>OSC. AXLE</b>	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.67a	4.49	3.38					
6m		5.06a	4.54	3.45	2.71	2.18			
5m		5.30a	4.39	3.35	2.66	2.16	1.78		
4m		5.59	4.05	3.13	2.51	2.06	1.72	1.44	
3m			3.56	2.82	2.29	1.91	1.61	1.37	1.17
2m				2.5	2.08	1.75	1.49	1.29	1.11
1m				2.29	1.91	1.62	1.39	1.21	1.06
0m			2.74	2.18	1.81	1.54	1.33	1.16	1.02
-1m		3.73	2.74	2.16	1.77	1.5	1.3	1.14	
-2m		3.81	2.79	2.19	1.79	1.52			
-3m			2.92	2.29	1.9				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
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# CRAWLERAILER


by REXQUOTE

MACHINE TYPE	CX135L (Offset monoboom)
SERIAL No	13U0301
Bogie No	1903
EQUIPMENT	4m48 + 2m10
DATE	29 July 2004
Issue	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

<b>5b</b> 	ROAD	0 to 50mm CANT @ 75% of tipping load
	SECTOR	±45° to ±135°
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		3.12	2.17	1.56					
6m		3.15	2.21	1.62	1.21	0.91			
5m		2.95	2.07	1.53	1.16	0.89	0.67		
4m		2.46	1.76	1.32	1.01	0.79	0.61	0.47	
3m			1.3	1.03	0.81	0.65	0.51	0.4	0.3
2m				0.73	0.6	0.49	0.4	0.32	0.24
1m				0.53	0.44	0.37	0.3	0.24	0.19
0m			0.54	0.43	0.35	0.29	0.24	0.19	0.15
-1m		0.77	0.53	0.4	0.32	0.26	0.21	0.18	
-2m		0.85	0.58	0.43	0.34	0.27			
-3m			0.7	0.53	0.43				

<b>5b</b> 	ROAD	0 to 50mm CANT @ 75% of tipping load
	SECTOR	±45° to ±135°
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.67a	3.56	2.41					
6m		5.06a	3.62	2.49	1.8	1.33			
5m		5.30a	3.43	2.37	1.73	1.31	1		
4m		4.74	2.98	2.09	1.55	1.19	0.92	0.71	
3m			2.32	1.7	1.3	1.01	0.8	0.63	0.49
2m				1.31	1.03	0.83	0.67	0.54	0.43
1m				1.04	0.83	0.68	0.55	0.45	0.37
0m			1.23	0.91	0.71	0.58	0.48	0.39	0.33
-1m		1.95	1.22	0.87	0.67	0.54	0.44	0.37	
-2m		2.08	1.29	0.91	0.7	0.56			
-3m			1.46	1.05	0.82				


<b>NOTES</b>	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum & maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar). All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm
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# CRAWLERAILER


by REXQUOTE

MACHINE TYPE	CX135L (Offset monoboom)
SERIAL No	13U0301
Bogie No	1903
EQUIPMENT	4m48 + 2m10
DATE	29 July 2004
Issue	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

<b>5c</b> 	ROAD	0 to 50mm CANT @ 75% of tipping load
	SECTOR	±45° OVER FIXED AXLE(REAR)
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		3.26	2.34	1.73					
6m		3.29	2.38	1.79	1.38	1.06			
5m		3.11	2.25	1.71	1.33	1.04	0.82		
4m		2.66	1.96	1.51	1.19	0.95	0.76	0.6	
3m			1.53	1.23	0.99	0.81	0.66	0.54	0.43
2m				0.95	0.8	0.66	0.55	0.46	0.37
1m				0.76	0.64	0.54	0.46	0.39	0.32
0m			0.82	0.66	0.55	0.47	0.4	0.34	0.29
-1m		1.11	0.81	0.64	0.52	0.44	0.37	0.32	
-2m		1.18	0.86	0.67	0.54	0.45			
-3m			0.97	0.76	0.63				

<b>5c</b> 	ROAD	0 to 50mm CANT @ 75% of tipping load
	SECTOR	±45° OVER FIXED AXLE(REAR)
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.67a	3.78	2.57					
6m		5.06a	3.84	2.65	1.93	1.44			
5m		5.30a	3.65	2.53	1.87	1.42	1.09		
4m		5.07	3.2	2.26	1.68	1.3	1.01	0.8	
3m			2.54	1.87	1.43	1.12	0.89	0.72	0.57
2m				1.48	1.17	0.94	0.76	0.62	0.5
1m				1.21	0.96	0.79	0.65	0.54	0.44
0m			1.45	1.08	0.85	0.69	0.57	0.48	0.4
-1m		2.28	1.44	1.04	0.8	0.65	0.54	0.46	
-2m		2.41	1.51	1.08	0.83	0.67			
-3m			1.68	1.21	0.95				


<b>NOTES</b>	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum & maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar). All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm
<b>PAGE</b>	11 Of 14

# CRAWLERAILER


by REXQUOTE

MACHINE TYPE	CX135L (Offset monoboom)
SERIAL No	13U0301
Bogie No	1903
EQUIPMENT	4m48 + 2m10
DATE	29 July 2004
Issue	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

<b>6a</b> 	<b>ROAD</b>	50 to 150mm CANT @ 75% of tipping load
	<b>SECTOR</b>	±45° OVER OSCILLATING AXLE(FRONT)
	<b>OSC. AXLE</b>	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.64	1.87	1.36					
6m		2.67	1.91	1.41	1.06	0.79			
5m		2.49	1.78	1.33	1.01	0.77	0.58		
4m		2.05	1.5	1.13	0.87	0.68	0.52	0.39	
3m			1.08	0.86	0.68	0.54	0.43	0.33	0.24
2m				0.59	0.49	0.4	0.32	0.25	0.18
1m				0.4	0.34	0.28	0.23	0.18	0.13
0m			0.38	0.31	0.25	0.2	0.16	0.13	0.1
-1m		0.54	0.38	0.28	0.22	0.17	0.14	0.11	
-2m		0.61	0.42	0.31	0.24	0.19			
-3m			0.53	0.4	0.33				

<b>6a</b> 	<b>ROAD</b>	50 to 150mm CANT @ 75% of tipping load
	<b>SECTOR</b>	±45° OVER OSCILLATING AXLE(FRONT)
	<b>OSC. AXLE</b>	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.67a	4.28	2.96					
6m		5.06a	4.34	3.04	2.25	1.71			
5m		5.30a	4.14	2.92	2.18	1.68	1.32		
4m		5.78	3.7	2.64	2	1.56	1.24	1	
3m			3.06	2.26	1.75	1.39	1.12	0.92	0.75
2m				1.87	1.49	1.21	0.99	0.82	0.68
1m				1.61	1.29	1.06	0.88	0.74	0.62
0m			1.98	1.48	1.17	0.96	0.8	0.68	0.58
-1m		3.05	1.97	1.44	1.13	0.92	0.77	0.66	
-2m		3.17	2.04	1.48	1.15	0.94			
-3m			2.21	1.61	1.27				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
<b>PAGE</b>	12 Of 14

# CRAWLERAILER


by REXQUOTE

MACHINE TYPE	CX135L (Offset monoboom)
SERIAL No	13U0301
Bogie No	1903
EQUIPMENT	4m48 + 2m10
DATE	29 July 2004
Issue	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

<b>6b</b> 	ROAD	50 to 150mm CANT @ 75% of tipping load
	SECTOR	±45° to ±135°
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		3.29	2.11	1.42					
6m		3.33	2.16	1.49	1.06	0.75			
5m		3.07	2	1.39	1	0.72	0.51		
4m		2.45	1.63	1.15	0.84	0.61	0.45	0.31	
3m			1.08	0.81	0.61	0.46	0.33	0.23	0.14
2m				0.47	0.38	0.29	0.21	0.15	0.08
1m				0.24	0.2	0.15	0.11	0.07	0.03
0m			0.18	0.13	0.09	0.06	0.04	0.01	20
-1m		0.32	0.17	0.1	0.06	0.03	0.01	20	
-2m		0.42	0.23	0.13	0.08	0.05			
-3m			0.37	0.25	0.19				

<b>6b</b> 	ROAD	50 to 150mm CANT @ 75% of tipping load
	SECTOR	±45° to ±135°
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		5.55	3.38	2.27					
6m		5.06a	3.44	2.35	1.69	1.24			
5m		5.27	3.24	2.23	1.62	1.21	0.92		
4m		4.46	2.79	1.95	1.44	1.09	0.84	0.64	
3m			2.14	1.56	1.18	0.92	0.72	0.56	0.43
2m				1.17	0.92	0.73	0.59	0.47	0.37
1m				0.9	0.72	0.58	0.47	0.38	0.31
0m			1.05	0.77	0.6	0.49	0.4	0.32	0.26
-1m		1.67	1.03	0.73	0.56	0.45	0.36	0.3	
-2m		1.8	1.1	0.77	0.59	0.47			
-3m			1.28	0.91	0.71				


<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
<b>PAGE</b>	13 Of 14

# CRAWLERAILER


by REXQUOTE

MACHINE TYPE	CX135L (Offset monoboom)
SERIAL No	13U0301
Bogie No	1903
EQUIPMENT	4m48 + 2m10
DATE	29 July 2004
Issue	1

This machine is equipped with a Rexwatch RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

	ROAD	50 to 150mm CANT @ 75% of tipping load
	SECTOR	±45° OVER FIXED AXLE(REAR)
	OSC. AXLE	FLOAT (LIFT & CARRY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		2.59	1.83	1.32					
6m		2.62	1.87	1.38	1.03	0.77			
5m		2.44	1.74	1.3	0.98	0.75	0.56		
4m		2	1.46	1.1	0.85	0.65	0.5	0.37	
3m			1.04	0.83	0.66	0.52	0.4	0.31	0.22
2m				0.55	0.46	0.37	0.3	0.23	0.17
1m				0.37	0.31	0.26	0.21	0.16	0.11
0m			0.34	0.27	0.22	0.18	0.14	0.11	0.08
-1m		0.49	0.34	0.25	0.19	0.15	0.12	0.09	
-2m		0.56	0.38	0.28	0.21	0.17			
-3m			0.49	0.37	0.3				

	ROAD	50 to 150mm CANT @ 75% of tipping load
	SECTOR	±45° OVER FIXED AXLE(REAR)
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
8m									
7m		4.28	2.9	2.07					
6m		4.32	2.95	2.14	1.61	1.22			
5m		4.08	2.79	2.04	1.55	1.2	0.94		
4m		3.5	2.44	1.81	1.39	1.1	0.87	0.69	
3m			1.92	1.49	1.17	0.94	0.76	0.61	0.49
2m				1.16	0.95	0.78	0.64	0.53	0.43
1m				0.94	0.77	0.65	0.54	0.45	0.37
0m			1.06	0.83	0.67	0.56	0.47	0.4	0.33
-1m		1.51	1.05	0.8	0.64	0.52	0.44	0.38	
-2m		1.6	1.11	0.83	0.66	0.54			
-3m			1.24	0.94	0.76				

<b>NOTES</b>	<p>Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the minimum &amp; maximum loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 340 bar).</p> <p>All rail duties listed are valid for use on up to a 1:30 gradient, and with a maximum track twist of 25mm</p>
<b>PAGE</b>	14 Of 14