


# RATED LIFT CAPACITY CHART

RIS 1530



MACHINE TYPE	Case CX135			EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013			SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point		
DUTY	CONFIG	SECTOR	Osc Axle	Safety	
<b>1a</b>	ROAD	360°		75%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.0	6.5	7.0	7.5	8.0
8.00													
7.00	-	5.37a	4.85a	3.48a	-	-	-	-	-	-	-		
6.00	-	-	5.52b	5.23b	4.54	3.67	-	-	-	-	-		
5.00	-	6.32a	6.16b	5.65b	4.48	3.66	3.05	2.57	-	-	-		
4.00	-	-	7.16	5.43	4.33	3.56	2.99	2.55	2.19	-	-		
3.00	-	-	-	5.11	4.12	3.42	2.89	2.49	2.16	-	-		
2.00	-	-	-	4.81	3.91	3.27	2.79	2.41	2.11	1.86	-		
1.00	-	-	-	4.64	3.77	3.16	2.7	2.35	2.07	-	-		
0.00	-	-	-	4.59	3.71	3.10	2.65	2.31	2.04	-	-		
-1.00	-	6.07a	6.04	4.59	3.70	3.08	2.64	2.3	-	-	-		
-2.00	7.73b	7.65b	6.11	4.65	3.73	3.12	2.67	-	-	-	-		
-3.00	-	5.68b	5.34b	4.76	3.84	3.23	-	-	-	-	-		
-4.0													



<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.</p> <p>Loads marked 'b' boom and 'a' arm are limited by hydraulic capacity (87% of sytem maximum hydraulic pressure).</p> <p>All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm</p>
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MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2au</b>	RAIL  0 - 50mm	+ /- 41° - 50° over front		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.73a	4.22	3.54	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	5.01b	4.16	3.52	3.02	2.27a	-	-	-	-
4.0	-	-	6.98b	6.04	4.87	4.05	3.44	2.97	2.59	-	-	-	-
3.0	-	-	-	5.73	4.66	3.90	3.34	2.90	2.54	2.25	-	-	-
2.0	-	-	-	5.45	4.47	3.76	3.23	2.82	2.49	2.21	-	-	-
1.0	-	-	-	5.29	4.33	3.65	3.15	2.75	2.44	2.18	-	-	-
0.0	-	-	6.57a	5.23	4.26	3.59	3.10	2.71	2.41	2.17	-	-	-
-1.0	5.36a	7.19a	6.76	5.23	4.25	3.58	3.08	2.71	2.41	-	-	-	-
-2.0	8.31b	7.73b	6.83	5.28	4.29	3.61	3.11	2.75	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.72b	4.17b	3.49b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2al</b>	RAIL  0 - 50mm	+ /- 41° - 50° over front		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.73a	4.45a	3.72a	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	5.01b	4.76b	4.27	3.71	2.27a	-	-	-	-
4.0	-	-	6.98b	6.16b	5.58b	4.83	4.18	3.66	3.23	-	-	-	-
3.0	-	-	-	6.47	5.44	4.66	4.05	3.57	3.17	2.83	-	-	-
2.0	-	-	-	6.16	5.21	4.49	3.93	3.47	3.10	2.78	-	-	-
1.0	-	-	-	5.98	5.06	4.37	3.83	3.40	3.04	2.75	-	-	-
0.0	-	-	6.57a	5.91	4.98	4.30	3.77	3.35	3.01	2.73	-	-	-
-1.0	5.36a	7.19a	7.28	5.91	4.97	4.28	3.75	3.34	3.01	-	-	-	-
-2.0	8.31b	7.73b	7.05b	5.96	5.01	4.31	3.79	3.39	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.72b	4.17b	3.49b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2bu</b>	RAIL  0 - 50mm	+ /- 21°- 30° over front		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.53	3.87	3.35	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29	4.46	3.83	3.34	2.93	2.27a	-	-	-	-
4.0	-	-	6.18	5.11	4.33	3.74	3.27	2.89	2.58	-	-	-	-
3.0	-	-	-	4.88	4.17	3.62	3.19	2.83	2.53	2.28	-	-	-
2.0	-	-	-	4.67	4.02	3.51	3.10	2.77	2.49	2.25	-	-	-
1.0	-	-	-	4.55	3.91	3.42	3.03	2.71	2.45	2.22	-	-	-
0.0	-	-	5.41	4.51	3.86	3.37	2.99	2.68	2.42	2.21	-	-	-
-1.0	5.36a	6.79	5.42	4.51	3.85	3.36	2.98	2.67	2.43	-	-	-	-
-2.0	8.31b	6.85	5.47	4.54	3.88	3.38	3.00	2.71	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.62	3.95	3.46	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2bl</b>	RAIL  0 - 50mm	+ /- 21°- 30° over front		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.73a	4.45a	3.72a	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	5.01b	4.45	3.84	3.34	2.27a	-	-	-	-
4.0	-	-	6.98b	6.04	5.06	4.32	3.75	3.29	2.90	-	-	-	-
3.0	-	-	-	5.71	4.83	4.16	3.63	3.20	2.84	2.52	-	-	-
2.0	-	-	-	5.42	4.62	4.00	3.51	3.11	2.78	2.48	-	-	-
1.0	-	-	-	5.24	4.47	3.88	3.41	3.03	2.72	2.43	-	-	-
0.0	-	-	6.30	5.18	4.40	3.81	3.35	2.99	2.69	2.42	-	-	-
-1.0	5.36a	7.19a	6.32	5.18	4.38	3.79	3.34	2.98	2.69	-	-	-	-
-2.0	8.31b	7.73b	6.39	5.23	4.42	3.83	3.37	3.03	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.72b	4.17b	3.49b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2cu</b>	RAIL  0 - 50mm	+ /- 31° - 40° over front		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	3.92	3.04	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	3.92	3.07	2.48	2.03	-	-	-	-	-	-
5.0	-	4.85a	5.05	3.79	2.99	2.42	2.01	1.68	1.41	-	-	-	-
4.0	-	-	4.67	3.55	2.82	2.31	1.93	1.63	1.39	-	-	-	-
3.0	-	-	-	3.23	2.61	2.16	1.83	1.56	1.35	1.16	-	-	-
2.0	-	-	-	2.95	2.41	2.02	1.72	1.48	1.29	1.13	-	-	-
1.0	-	-	-	2.79	2.28	1.91	1.64	1.42	1.24	1.10	-	-	-
0.0	-	-	3.54	2.73	2.21	1.85	1.59	1.38	1.21	1.08	-	-	-
-1.0	5.36a	5.09	3.57	2.73	2.20	1.84	1.57	1.37	1.22	-	-	-	-
-2.0	8.31b	5.19	3.64	2.78	2.24	1.87	1.60	1.41	-	-	-	-	-
-3.0	5.90b	5.37	3.77	2.89	2.33	1.97	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2cl</b>	RAIL  0 - 50mm	+ /- 31° - 40° over front		75%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.36	3.64	3.09	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.21	4.28	3.59	3.07	2.65	2.27a	-	-	-	-
4.0	-	-	6.22	4.98	4.12	3.48	2.99	2.60	2.28	-	-	-	-
3.0	-	-	-	4.68	3.91	3.33	2.89	2.53	2.23	1.98	-	-	-
2.0	-	-	-	4.42	3.72	3.19	2.78	2.45	2.17	1.94	-	-	-
1.0	-	-	-	4.26	3.59	3.09	2.69	2.38	2.12	1.91	-	-	-
0.0	-	-	5.20	4.21	3.52	3.03	2.64	2.34	2.10	1.90	-	-	-
-1.0	5.36a	6.87	5.23	4.21	3.51	3.01	2.63	2.33	2.10	-	-	-	-
-2.0	8.31b	6.96	5.29	4.25	3.55	3.04	2.66	2.38	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.36	3.64	3.14	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2du</b>	RAIL  0 - 50mm	+ /- 41° - 50° over front		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.56	3.37	2.59	-	-	-	-	-	-	-	-
6.0	-	-	4.54	3.37	2.62	2.09	1.69	-	-	-	-	-	-
5.0	-	4.85a	4.34	3.24	2.53	2.04	1.67	1.39	1.14	-	-	-	-
4.0	-	-	3.96	2.99	2.37	1.92	1.59	1.34	1.13	-	-	-	-
3.0	-	-	-	2.68	2.16	1.78	1.49	1.26	1.08	0.92	-	-	-
2.0	-	-	-	2.40	1.96	1.63	1.38	1.19	1.02	0.89	-	-	-
1.0	-	-	-	2.24	1.82	1.53	1.30	1.12	0.98	0.86	-	-	-
0.0	-	-	2.84	2.17	1.76	1.47	1.25	1.08	0.95	0.84	-	-	-
-1.0	5.36a	4.11	2.86	2.18	1.75	1.45	1.24	1.07	0.95	-	-	-	-
-2.0	7.15	4.21	2.93	2.23	1.78	1.48	1.27	1.12	-	-	-	-	-
-3.0	5.90b	4.39	3.06	2.33	1.88	1.58	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2dl</b>	RAIL  0 - 50mm	+ /- 41° - 50° over front		75%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.70	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.55	3.73	3.12	2.64	-	-	-	-	-	-
5.0	-	4.85a	5.14a	4.43	3.65	3.07	2.63	2.26	1.95	-	-	-	-
4.0	-	-	5.22	4.21	3.50	2.97	2.55	2.22	1.94	-	-	-	-
3.0	-	-	-	3.93	3.30	2.82	2.45	2.14	1.89	1.68	-	-	-
2.0	-	-	-	3.68	3.12	2.69	2.35	2.07	1.84	1.64	-	-	-
1.0	-	-	-	3.53	2.99	2.58	2.26	2.00	1.79	1.61	-	-	-
0.0	-	-	4.26	3.47	2.93	2.53	2.21	1.96	1.76	1.59	-	-	-
-1.0	5.36a	5.55	4.28	3.48	2.92	2.51	2.20	1.96	1.76	-	-	-	-
-2.0	7.90	5.63	4.34	3.52	2.95	2.54	2.23	2.00	-	-	-	-	-
-3.0	5.90b	5.62b	4.45	3.62	3.04	2.64	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2eu</b>	RAIL  0 - 50mm	+/- 50° - 150°		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	3.7	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	2.93	2.27	1.78	-	-	-	-	-	-	-	-
6.0	-	-	2.91	2.27	1.81	1.47	1.19	-	-	-	-	-	-
5.0	-	3.69	2.76	2.16	1.74	1.42	1.18	0.98	0.80	-	-	-	-
4.0	-	-	2.48	1.97	1.60	1.33	1.11	0.93	0.79	-	-	-	-
3.0	-	-	-	1.72	1.43	1.20	1.02	0.87	0.74	0.63	-	-	-
2.0	-	-	-	1.50	1.27	1.08	0.93	0.80	0.69	0.59	-	-	-
1.0	-	-	-	1.37	1.16	0.99	0.86	0.74	0.65	0.55	-	-	-
0.0	-	-	1.64	1.32	1.10	0.94	0.81	0.71	0.63	0.54	-	-	-
-1.0	3.18	2.20	1.66	1.32	1.09	0.93	0.80	0.70	0.63	-	-	-	-
-2.0	3.25	2.26	1.71	1.36	1.12	0.95	0.83	0.74	-	-	-	-	-
-3.0	3.40	2.38	1.81	1.45	1.20	1.04	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2el</b>	RAIL  0 - 50mm	+/- 50° - 150°		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.02	3.06	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.02	3.10	2.43	1.89	-	-	-	-	-	-
5.0	-	4.85a	5.14a	3.85	2.99	2.35	1.86	1.47	1.14	-	-	-	-
4.0	-	-	4.68	3.52	2.77	2.18	1.74	1.40	1.12	-	-	-	-
3.0	-	-	-	3.10	2.46	1.97	1.59	1.29	1.05	0.84	-	-	-
2.0	-	-	-	2.72	2.17	1.75	1.43	1.17	0.96	0.78	-	-	-
1.0	-	-	-	2.48	1.97	1.59	1.30	1.08	0.89	0.74	-	-	-
0.0	-	-	3.17	2.39	1.87	1.50	1.23	1.02	0.85	0.72	-	-	-
-1.0	5.36a	4.64	3.20	2.39	1.85	1.48	1.21	1.01	0.86	-	-	-	-
-2.0	8.17	4.77	3.30	2.46	1.90	1.52	1.26	1.07	-	-	-	-	-
-3.0	5.90b	5.01	3.48	2.63	2.05	1.67	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
<b>PAGE</b>	6 of 20

# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2fu</b>	RAIL  0 - 50mm	+ / - 31° - 40° over rear		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.3	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	3.38	2.61	2.06	-	-	-	-	-	-	-	-
6.0	-	-	3.36	2.61	2.09	1.70	1.39	-	-	-	-	-	-
5.0	-	4.30	3.20	2.50	2.01	1.65	1.38	1.15	0.95	-	-	-	-
4.0	-	-	2.91	2.30	1.87	1.56	1.31	1.11	0.94	-	-	-	-
3.0	-	-	-	2.04	1.70	1.43	1.21	1.04	0.90	0.77	-	-	-
2.0	-	-	-	1.81	1.53	1.30	1.12	0.97	0.84	0.74	-	-	-
1.0	-	-	-	1.68	1.41	1.21	1.05	0.91	0.80	0.71	-	-	-
0.0	-	-	2.03	1.63	1.36	1.16	1.00	0.88	0.78	0.70	-	-	-
-1.0	3.99	2.73	2.05	1.63	1.35	1.15	0.99	0.87	0.78	-	-	-	-
-2.0	4.06	2.80	2.10	1.67	1.38	1.17	1.02	0.91	-	-	-	-	-
-3.0	4.22	2.92	2.21	1.76	1.46	1.26	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2fl</b>	RAIL  0 - 50mm	+ / - 31° - 40° over rear		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.12	3.10	2.37	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	3.96	3.02	2.33	1.80	1.37	-	-	-	-
4.0	-	-	6.98b	5.03	3.67	2.82	2.19	1.72	1.35	-	-	-	-
3.0	-	-	-	4.43	3.29	2.56	2.00	1.58	1.26	1.00	-	-	-
2.0	-	-	-	3.89	2.94	2.29	1.80	1.45	1.17	0.94	-	-	-
1.0	-	-	-	3.57	2.70	2.08	1.65	1.33	1.08	0.88	-	-	-
0.0	-	-	5.15	3.45	2.57	1.97	1.56	1.26	1.03	0.86	-	-	-
-1.0	5.36a	7.19a	5.20	3.45	2.54	1.94	1.54	1.25	1.04	-	-	-	-
-2.0	8.31b	7.73b	5.36	3.55	2.61	2.00	1.59	1.32	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	3.76	2.80	2.18	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
<b>PAGE</b>	7 Of 20

# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2gu</b>	RAIL  0 - 50mm	+ / - 21°- 30° over rear		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	3.51	2.66	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	3.51	2.69	2.13	1.71	-	-	-	-	-	-
5.0	-	4.85a	4.61	3.37	2.60	2.08	1.69	1.39	1.14	-	-	-	-
4.0	-	-	4.19	3.11	2.43	1.96	1.61	1.34	1.13	-	-	-	-
3.0	-	-	-	2.78	2.21	1.81	1.50	1.27	1.08	0.92	-	-	-
2.0	-	-	-	2.48	2.00	1.66	1.39	1.19	1.02	0.88	-	-	-
1.0	-	-	-	2.31	1.86	1.54	1.31	1.12	0.97	0.85	-	-	-
0.0	-	-	2.98	2.24	1.79	1.48	1.25	1.08	0.94	0.84	-	-	-
-1.0	5.36a	4.47	3.01	2.24	1.78	1.47	1.24	1.07	0.95	-	-	-	-
-2.0	8.31b	4.58	3.08	2.30	1.82	1.50	1.27	1.12	-	-	-	-	-
-3.0	5.90b	4.78	3.23	2.41	1.92	1.60	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2gl</b>	RAIL  0 - 50mm	+ / - 21°- 30° over rear		90%



	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.53	3.46	2.71	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	4.38	3.37	2.67	2.11	1.64	-	-	-	-
4.0	-	-	6.98b	5.54	4.09	3.18	2.54	2.02	1.62	-	-	-	-
3.0	-	-	-	4.95	3.72	2.93	2.35	1.89	1.54	1.25	-	-	-
2.0	-	-	-	4.43	3.38	2.69	2.16	1.75	1.44	1.19	-	-	-
1.0	-	-	-	4.12	3.14	2.49	2.01	1.64	1.36	1.13	-	-	-
0.0	-	-	5.87	4.01	3.03	2.38	1.92	1.57	1.31	1.11	-	-	-
-1.0	5.36a	7.19a	5.92	4.01	3.01	2.36	1.89	1.56	1.32	-	-	-	-
-2.0	8.31b	7.73b	6.07	4.10	3.07	2.41	1.95	1.63	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.31	3.24	2.59	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
<b>PAGE</b>	8 Of 20





# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2hu</b>	RAIL  0 - 50mm	+ / - 11°- 20° over rear		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.10	3.34	2.77	-	-	-	-	-	-	-	-
6.0	-	-	4.09	3.34	2.79	2.36	2.02	-	-	-	-	-	-
5.0	-	4.85a	3.96	3.25	2.73	2.32	2.00	1.74	1.51	-	-	-	-
4.0	-	-	3.72	3.08	2.60	2.24	1.94	1.70	1.50	-	-	-	-
3.0	-	-	-	2.86	2.45	2.12	1.86	1.64	1.46	1.29	-	-	-
2.0	-	-	-	2.66	2.30	2.01	1.78	1.58	1.41	1.26	-	-	-
1.0	-	-	-	2.55	2.20	1.93	1.71	1.52	1.37	1.24	-	-	-
0.0	-	-	2.99	2.51	2.15	1.88	1.67	1.49	1.35	1.23	-	-	-
-1.0	4.96	3.75	3.01	2.51	2.15	1.87	1.66	1.49	1.35	-	-	-	-
-2.0	5.01	3.81	3.05	2.54	2.17	1.90	1.68	1.52	-	-	-	-	-
-3.0	5.12	3.91	3.14	2.62	2.24	1.97	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2hl</b>	RAIL  0 - 50mm	+ / - 11°- 20° over rear		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.67	3.84	3.21	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	4.56	3.78	3.18	2.71	2.27a	-	-	-	-
4.0	-	-	6.83	5.35	4.35	3.63	3.09	2.65	2.26	-	-	-	-
3.0	-	-	-	4.97	4.09	3.45	2.95	2.54	2.19	1.89	-	-	-
2.0	-	-	-	4.63	3.85	3.27	2.82	2.43	2.11	1.83	-	-	-
1.0	-	-	-	4.43	3.68	3.13	2.71	2.34	2.04	1.79	-	-	-
0.0	-	-	5.49	4.35	3.60	3.06	2.64	2.29	2.00	1.77	-	-	-
-1.0	5.36a	7.19a	5.52	4.35	3.59	3.04	2.63	2.28	2.01	-	-	-	-
-2.0	8.31b	7.61	5.61	4.41	3.63	3.08	2.67	2.34	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.55	3.75	3.20	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
<b>PAGE</b>	9 Of 20

# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2iu</b>	RAIL  0 - 50mm	+ / - 10° over rear		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.41	3.73	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.41	3.75	3.24	2.82	-	-	-	-	-	-
5.0	-	4.85a	5.14a	4.33	3.69	3.20	2.81	2.48	2.19	-	-	-	-
4.0	-	-	4.94	4.16	3.58	3.12	2.75	2.44	2.18	-	-	-	-
3.0	-	-	-	3.96	3.43	3.01	2.67	2.39	2.15	1.94	-	-	-
2.0	-	-	-	3.77	3.29	2.91	2.59	2.33	2.10	1.91	-	-	-
1.0	-	-	-	3.67	3.20	2.83	2.53	2.28	2.06	1.88	-	-	-
0.0	-	-	4.27	3.63	3.15	2.78	2.49	2.24	2.04	1.87	-	-	-
-1.0	5.36a	5.21	4.28	3.63	3.15	2.77	2.48	2.24	2.04	-	-	-	-
-2.0	6.71	5.27	4.32	3.66	3.17	2.80	2.50	2.27	-	-	-	-	-
-3.0	5.90b	5.36	4.40	3.73	3.24	2.87	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>2il</b>	RAIL  0 - 50mm	+ / - 10° over rear		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.73a	4.45a	3.72a	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	5.01b	4.76b	4.32	3.69	2.27a	-	-	-	-
4.0	-	-	6.98b	6.16b	5.58b	4.98	4.22	3.63	3.16	-	-	-	-
3.0	-	-	-	7.05	5.73	4.78	4.08	3.53	3.09	2.72	-	-	-
2.0	-	-	-	6.67	5.46	4.59	3.94	3.42	3.01	2.67	-	-	-
1.0	-	-	-	6.45	5.28	4.44	3.82	3.34	2.95	2.63	-	-	-
0.0	-	-	6.57a	6.37	5.19	4.36	3.75	3.28	2.91	2.61	-	-	-
-1.0	5.36a	7.19a	8.27	6.37	5.17	4.34	3.74	3.27	2.92	-	-	-	-
-2.0	8.31b	7.73b	7.05b	6.37b	5.22	4.38	3.78	3.33	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.72b	4.17b	3.49b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3au</b>	RAIL  50 - 150mm	+ /- 41° - 50° over front		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.73a	4.22	3.54	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	5.01b	4.16	3.52	3.02	2.27a	-	-	-	-
4.0	-	-	6.98b	6.04	4.87	4.05	3.44	2.97	2.59	-	-	-	-
3.0	-	-	-	5.73	4.66	3.90	3.34	2.90	2.54	2.25	-	-	-
2.0	-	-	-	5.45	4.47	3.76	3.23	2.82	2.49	2.21	-	-	-
1.0	-	-	-	5.29	4.33	3.65	3.15	2.75	2.44	2.18	-	-	-
0.0	-	-	6.57a	5.23	4.26	3.59	3.10	2.71	2.41	2.17	-	-	-
-1.0	5.36a	7.19a	6.76	5.23	4.25	3.58	3.08	2.71	2.41	-	-	-	-
-2.0	8.31b	7.73b	6.83	5.28	4.29	3.61	3.11	2.75	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.72b	4.17b	3.49b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3al</b>	RAIL  50 - 150mm	+ /- 41° - 50° over front		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.73a	4.45a	3.72a	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	5.01b	4.76b	4.27	3.71	2.27a	-	-	-	-
4.0	-	-	6.98b	6.16b	5.58b	4.83	4.18	3.66	3.23	-	-	-	-
3.0	-	-	-	6.47	5.44	4.66	4.05	3.57	3.17	2.83	-	-	-
2.0	-	-	-	6.16	5.21	4.49	3.93	3.47	3.10	2.78	-	-	-
1.0	-	-	-	5.98	5.06	4.37	3.83	3.40	3.04	2.75	-	-	-
0.0	-	-	6.57a	5.91	4.98	4.30	3.77	3.35	3.01	2.73	-	-	-
-1.0	5.36a	7.19a	7.28	5.91	4.97	4.28	3.75	3.34	3.01	-	-	-	-
-2.0	8.31b	7.73b	7.05b	5.96	5.01	4.31	3.79	3.39	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.72b	4.17b	3.49b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3bu</b>	RAIL  50 - 150mm	+ /- 21° - 30° over front		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.53	3.87	3.35	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29	4.46	3.83	3.34	2.93	2.27a	-	-	-	-
4.0	-	-	6.18	5.11	4.33	3.74	3.27	2.89	2.58	-	-	-	-
3.0	-	-	-	4.88	4.17	3.62	3.19	2.83	2.53	2.28	-	-	-
2.0	-	-	-	4.67	4.02	3.51	3.10	2.77	2.49	2.25	-	-	-
1.0	-	-	-	4.55	3.91	3.42	3.03	2.71	2.45	2.22	-	-	-
0.0	-	-	5.41	4.51	3.86	3.37	2.99	2.68	2.42	2.21	-	-	-
-1.0	5.36a	6.79	5.42	4.51	3.85	3.36	2.98	2.67	2.43	-	-	-	-
-2.0	8.31b	6.85	5.47	4.54	3.88	3.38	3.00	2.71	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.62	3.95	3.46	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

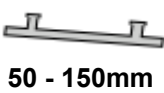

DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3bl</b>	RAIL  50 - 150mm	+ /- 21° - 30° over front		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.92a	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.80a	4.73a	4.45a	3.72a	-	-	-	-	-	-
5.0	-	4.85a	5.14a	5.29a	5.01b	4.45	3.84	3.34	2.27a	-	-	-	-
4.0	-	-	6.98b	6.04	5.06	4.32	3.75	3.29	2.90	-	-	-	-
3.0	-	-	-	5.71	4.83	4.16	3.63	3.20	2.84	2.52	-	-	-
2.0	-	-	-	5.42	4.62	4.00	3.51	3.11	2.78	2.48	-	-	-
1.0	-	-	-	5.24	4.47	3.88	3.41	3.03	2.72	2.43	-	-	-
0.0	-	-	6.30	5.18	4.40	3.81	3.35	2.99	2.69	2.42	-	-	-
-1.0	5.36a	7.19a	6.32	5.18	4.38	3.79	3.34	2.98	2.69	-	-	-	-
-2.0	8.31b	7.73b	6.39	5.23	4.42	3.83	3.37	3.03	-	-	-	-	-
-3.0	5.90b	5.62b	5.21b	4.72b	4.17b	3.49b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

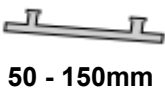

<b>NOTES</b>	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
<b>PAGE</b>	12 Of 20

# RATED LIFT CAPACITY CHART

# RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3cu</b>	 RAIL 50 - 150mm	+ /- 31° - 40° over front		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	3.63	2.84	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	3.63	2.87	2.33	1.91	-	-	-	-	-	-
5.0	-	4.85a	4.59	3.50	2.79	2.28	1.89	1.59	1.33	-	-	-	-
4.0	-	-	4.24	3.27	2.63	2.17	1.82	1.54	1.32	-	-	-	-
3.0	-	-	-	2.98	2.43	2.03	1.72	1.47	1.27	1.10	-	-	-
2.0	-	-	-	2.71	2.24	1.89	1.62	1.40	1.22	1.07	-	-	-
1.0	-	-	-	2.56	2.11	1.79	1.54	1.34	1.17	1.04	-	-	-
0.0	-	-	3.20	2.50	2.05	1.73	1.49	1.30	1.15	1.03	-	-	-
-1.0	5.36a	4.48	3.22	2.50	2.04	1.71	1.47	1.29	1.15	-	-	-	-
-2.0	7.26	4.57	3.29	2.55	2.07	1.74	1.50	1.33	-	-	-	-	-
-3.0	5.90b	4.73	3.41	2.65	2.16	1.84	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3cl</b>	 RAIL 50 - 150mm	+ /- 31° - 40° over front		75%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.40	3.71	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.40	3.74	3.21	2.79	-	-	-	-	-	-
5.0	-	4.85a	5.14a	4.31	3.67	3.17	2.77	2.44	2.15	-	-	-	-
4.0	-	-	4.90	4.13	3.54	3.08	2.71	2.40	2.14	-	-	-	-
3.0	-	-	-	3.90	3.38	2.96	2.62	2.33	2.09	1.88	-	-	-
2.0	-	-	-	3.69	3.22	2.84	2.53	2.27	2.04	1.85	-	-	-
1.0	-	-	-	3.57	3.12	2.75	2.46	2.21	2.00	1.82	-	-	-
0.0	-	-	4.15	3.53	3.06	2.70	2.41	2.18	1.98	1.81	-	-	-
-1.0	5.36a	5.08	4.17	3.53	3.05	2.69	2.40	2.17	1.98	-	-	-	-
-2.0	6.56	5.14	4.21	3.56	3.08	2.72	2.43	2.21	-	-	-	-	-
-3.0	5.90b	5.24	4.30	3.64	3.16	2.80	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.</p> <p>All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm</p>
<b>PAGE</b>	13 Of 20

# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3du</b>	RAIL  50 - 150mm	+ /- 41° - 50° over front		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.17	3.10	2.39	-	-	-	-	-	-	-	-
6.0	-	-	4.15	3.10	2.42	1.94	1.57	-	-	-	-	-	-
5.0	-	4.85a	3.96	2.98	2.34	1.89	1.55	1.28	1.05	-	-	-	-
4.0	-	-	3.60	2.74	2.18	1.78	1.47	1.24	1.04	-	-	-	-
3.0	-	-	-	2.44	1.98	1.63	1.37	1.16	0.99	0.85	-	-	-
2.0	-	-	-	2.17	1.78	1.49	1.27	1.09	0.94	0.81	-	-	-
1.0	-	-	-	2.01	1.65	1.39	1.19	1.02	0.89	0.78	-	-	-
0.0	-	-	2.53	1.96	1.59	1.33	1.14	0.99	0.86	0.77	-	-	-
-1.0	5.36a	3.61	2.55	1.96	1.58	1.32	1.12	0.98	0.87	-	-	-	-
-2.0	6.06	3.70	2.62	2.00	1.61	1.35	1.15	1.02	-	-	-	-	-
-3.0	5.90b	3.87	2.74	2.11	1.71	1.44	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

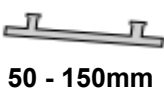

DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3dl</b>	RAIL  50 - 150mm	+ /- 41° - 50° over front		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.67	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.63	3.71	3.04	2.50	-	-	-	-	-	-
5.0	-	4.85a	5.14a	4.48	3.61	2.98	2.47	2.04	1.68	-	-	-	-
4.0	-	-	5.32	4.19	3.41	2.84	2.37	1.98	1.66	-	-	-	-
3.0	-	-	-	3.82	3.16	2.65	2.22	1.88	1.59	1.35	-	-	-
2.0	-	-	-	3.49	2.92	2.46	2.08	1.77	1.51	1.30	-	-	-
1.0	-	-	-	3.30	2.76	2.31	1.96	1.68	1.45	1.25	-	-	-
0.0	-	-	4.05	3.23	2.67	2.23	1.89	1.62	1.41	1.24	-	-	-
-1.0	5.36a	5.49	4.08	3.23	2.66	2.21	1.87	1.61	1.41	-	-	-	-
-2.0	8.31b	5.60	4.16	3.29	2.71	2.25	1.92	1.67	-	-	-	-	-
-3.0	5.90b	5.62b	4.31	3.41	2.82	2.38	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

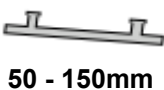

<b>NOTES</b>	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
<b>PAGE</b>	14 Of 20

# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3eu</b>	 RAIL 50 - 150mm	+/- 50° - 150°		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	3.1	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	2.43	1.87	1.46	-	-	-	-	-	-	-	-
6.0	-	-	2.41	1.87	1.49	1.19	0.96	-	-	-	-	-	-
5.0	-	3.02	2.27	1.77	1.42	1.15	0.94	0.77	0.61	-	-	-	-
4.0	-	-	2.00	1.58	1.29	1.06	0.87	0.73	0.59	-	-	-	-
3.0	-	-	-	1.34	1.12	0.94	0.79	0.66	0.53	0.39	-	-	-
2.0	-	-	-	1.13	0.96	0.82	0.70	0.59	0.46	0.34	-	-	-
1.0	-	-	-	1.01	0.85	0.73	0.63	0.51	0.40	0.30	-	-	-
0.0	-	-	1.19	0.96	0.80	0.68	0.57	0.46	0.36	0.29	-	-	-
-1.0	2.33	1.61	1.21	0.96	0.79	0.67	0.56	0.45	0.37	-	-	-	-
-2.0	2.39	1.67	1.26	1.00	0.82	0.69	0.59	0.50	-	-	-	-	-
-3.0	2.53	1.78	1.36	1.08	0.90	0.77	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3el</b>	 RAIL 50 - 150mm	+/- 50° - 150°		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.32	3.19	2.39	-	-	-	-	-	-	-	-
6.0	-	-	4.29	3.19	2.44	1.85	1.40	-	-	-	-	-	-
5.0	-	4.85a	4.05	3.03	2.31	1.78	1.38	1.06	0.77	-	-	-	-
4.0	-	-	3.58	2.72	2.08	1.62	1.27	0.99	0.76	-	-	-	-
3.0	-	-	-	2.28	1.78	1.41	1.12	0.88	0.69	0.52	-	-	-
2.0	-	-	-	1.89	1.51	1.21	0.97	0.77	0.61	0.47	-	-	-
1.0	-	-	-	1.67	1.31	1.05	0.85	0.68	0.54	0.42	-	-	-
0.0	-	-	2.14	1.58	1.22	0.97	0.77	0.62	0.50	0.40	-	-	-
-1.0	5.21	3.17	2.17	1.58	1.21	0.95	0.75	0.61	0.50	-	-	-	-
-2.0	5.34	3.28	2.27	1.65	1.26	0.99	0.80	0.67	-	-	-	-	-
-3.0	5.63	3.49	2.45	1.80	1.39	1.13	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.</p> <p>All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm</p>
<b>PAGE</b>	15 Of 20

# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		VERSION	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3fu</b>	 RAIL 50 - 150mm	+ / - 31°- 40° over rear		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	2.8	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	2.31	1.85	1.49	-	-	-	-	-	-	-	-
6.0	-	-	2.30	1.85	1.51	1.25	1.03	-	-	-	-	-	-
5.0	-	2.76	2.18	1.76	1.45	1.21	1.02	0.85	0.70	-	-	-	-
4.0	-	-	1.95	1.60	1.34	1.13	0.96	0.82	0.69	-	-	-	-
3.0	-	-	-	1.40	1.19	1.02	0.88	0.76	0.65	0.54	-	-	-
2.0	-	-	-	1.21	1.05	0.92	0.80	0.70	0.61	0.49	-	-	-
1.0	-	-	-	1.11	0.96	0.84	0.74	0.65	0.55	0.45	-	-	-
0.0	-	-	1.28	1.07	0.91	0.79	0.70	0.62	0.52	0.44	-	-	-
-1.0	2.18	1.63	1.29	1.07	0.91	0.78	0.69	0.61	0.52	-	-	-	-
-2.0	2.22	1.68	1.34	1.10	0.93	0.81	0.71	0.64	-	-	-	-	-
-3.0	2.32	1.77	1.41	1.17	1.00	0.88	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3fl</b>	 RAIL 50 - 150mm	+ / - 31°- 40° over rear		90%



	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.04	3.13	2.45	-	-	-	-	-	-	-	-
6.0	-	-	4.02	3.14	2.49	1.97	1.55	-	-	-	-	-	-
5.0	-	4.85a	3.82	3.00	2.38	1.90	1.53	1.22	0.95	-	-	-	-
4.0	-	-	3.44	2.74	2.18	1.76	1.43	1.16	0.93	-	-	-	-
3.0	-	-	-	2.37	1.92	1.57	1.29	1.06	0.87	0.70	-	-	-
2.0	-	-	-	2.04	1.68	1.39	1.16	0.96	0.79	0.65	-	-	-
1.0	-	-	-	1.85	1.52	1.26	1.05	0.88	0.73	0.61	-	-	-
0.0	-	-	2.27	1.78	1.44	1.18	0.98	0.82	0.69	0.59	-	-	-
-1.0	4.45	3.09	2.30	1.78	1.42	1.16	0.97	0.81	0.70	-	-	-	-
-2.0	4.54	3.18	2.38	1.83	1.47	1.20	1.01	0.87	-	-	-	-	-
-3.0	4.74	3.34	2.52	1.96	1.58	1.32	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
<b>PAGE</b>	16 Of 20





# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3gu</b>	RAIL  50 - 150mm	+ / - 21° - 30° over rear		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	3.4	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	2.78	2.20	1.77	-	-	-	-	-	-	-	-
6.0	-	-	2.76	2.20	1.79	1.47	1.22	-	-	-	-	-	-
5.0	-	3.40	2.63	2.11	1.73	1.43	1.20	1.01	0.84	-	-	-	-
4.0	-	-	2.38	1.93	1.60	1.34	1.14	0.97	0.83	-	-	-	-
3.0	-	-	-	1.71	1.44	1.23	1.06	0.91	0.79	0.68	-	-	-
2.0	-	-	-	1.50	1.29	1.12	0.97	0.85	0.74	0.65	-	-	-
1.0	-	-	-	1.39	1.19	1.03	0.90	0.79	0.70	0.62	-	-	-
0.0	-	-	1.63	1.34	1.14	0.98	0.86	0.76	0.68	0.61	-	-	-
-1.0	2.90	2.11	1.65	1.34	1.13	0.97	0.85	0.75	0.68	-	-	-	-
-2.0	2.95	2.17	1.69	1.38	1.16	1.00	0.87	0.79	-	-	-	-	-
-3.0	3.07	2.27	1.78	1.46	1.23	1.07	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3gl</b>	RAIL  50 - 150mm	+ / - 21° - 30° over rear		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	3.87	3.07	2.45	-	-	-	-	-	-	-	-
6.0	-	-	3.85	3.08	2.49	2.00	1.61	-	-	-	-	-	-
5.0	-	4.74	3.68	2.95	2.39	1.94	1.59	1.29	1.02	-	-	-	-
4.0	-	-	3.34	2.71	2.20	1.81	1.49	1.23	1.01	-	-	-	-
3.0	-	-	-	2.38	1.97	1.64	1.37	1.14	0.95	0.78	-	-	-
2.0	-	-	-	2.08	1.74	1.47	1.24	1.04	0.88	0.73	-	-	-
1.0	-	-	-	1.90	1.59	1.34	1.14	0.96	0.82	0.69	-	-	-
0.0	-	-	2.29	1.84	1.52	1.27	1.08	0.92	0.78	0.68	-	-	-
-1.0	4.12	3.01	2.32	1.84	1.50	1.25	1.06	0.91	0.79	-	-	-	-
-2.0	4.19	3.09	2.39	1.89	1.54	1.29	1.10	0.96	-	-	-	-	-
-3.0	4.35	3.23	2.52	2.01	1.65	1.40	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		SERIAL No	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3hu</b>	RAIL  50 - 150mm	+ / - 11° - 20° over rear		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	3.4	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	2.85	2.31	1.90	-	-	-	-	-	-	-	-
6.0	-	-	2.83	2.31	1.92	1.61	1.36	-	-	-	-	-	-
5.0	-	3.40	2.72	2.23	1.86	1.57	1.34	1.15	0.97	-	-	-	-
4.0	-	-	2.49	2.07	1.74	1.49	1.28	1.11	0.96	-	-	-	-
3.0	-	-	-	1.86	1.60	1.38	1.20	1.05	0.92	0.81	-	-	-
2.0	-	-	-	1.68	1.46	1.28	1.12	0.99	0.88	0.78	-	-	-
1.0	-	-	-	1.57	1.36	1.20	1.06	0.94	0.84	0.75	-	-	-
0.0	-	-	1.82	1.53	1.32	1.15	1.02	0.91	0.82	0.74	-	-	-
-1.0	2.98	2.27	1.83	1.53	1.31	1.14	1.01	0.91	0.82	-	-	-	-
-2.0	3.03	2.33	1.87	1.56	1.34	1.16	1.03	0.94	-	-	-	-	-
-3.0	3.13	2.42	1.95	1.63	1.40	1.24	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3hl</b>	RAIL  50 - 150mm	+ / - 11° - 20° over rear		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.17	3.28	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.17	3.32	2.69	2.16	-	-	-	-	-	-
5.0	-	4.85a	5.14a	4.02	3.21	2.62	2.13	1.74	1.40	-	-	-	-
4.0	-	-	4.77	3.73	3.01	2.47	2.03	1.67	1.38	-	-	-	-
3.0	-	-	-	3.35	2.76	2.27	1.88	1.57	1.31	1.09	-	-	-
2.0	-	-	-	3.02	2.50	2.07	1.73	1.46	1.23	1.04	-	-	-
1.0	-	-	-	2.83	2.32	1.92	1.62	1.37	1.17	1.00	-	-	-
0.0	-	-	3.47	2.75	2.23	1.84	1.55	1.32	1.13	0.98	-	-	-
-1.0	5.36a	4.76	3.50	2.75	2.21	1.82	1.53	1.31	1.13	-	-	-	-
-2.0	7.39	4.87	3.58	2.81	2.26	1.86	1.57	1.37	-	-	-	-	-
-3.0	5.90b	5.06	3.74	2.94	2.39	2.00	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

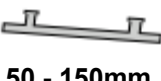

<b>NOTES</b>	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		VERSION	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3iu</b>	 RAIL 50 - 150mm	+ / - 10° over rear		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	3.62	2.82	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	3.62	2.85	2.30	1.89	-	-	-	-	-	-
5.0	-	4.85a	4.60	3.49	2.77	2.25	1.87	1.57	1.31	-	-	-	-
4.0	-	-	4.24	3.26	2.61	2.14	1.79	1.52	1.30	-	-	-	-
3.0	-	-	-	2.96	2.40	2.00	1.69	1.45	1.25	1.08	-	-	-
2.0	-	-	-	2.69	2.21	1.86	1.59	1.37	1.19	1.04	-	-	-
1.0	-	-	-	2.53	2.08	1.76	1.51	1.31	1.15	1.01	-	-	-
0.0	-	-	3.18	2.47	2.02	1.70	1.46	1.27	1.12	1.00	-	-	-
-1.0	5.36a	4.48	3.20	2.47	2.01	1.68	1.44	1.26	1.12	-	-	-	-
-2.0	7.39	4.58	3.27	2.52	2.04	1.71	1.47	1.30	-	-	-	-	-
-3.0	5.90b	4.74	3.39	2.63	2.14	1.81	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

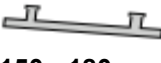

DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>3il</b>	 RAIL 50 - 150mm	+ / - 10° over rear		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.77a	4.53a	3.84	-	-	-	-	-	-	-	-
6.0	-	-	4.73a	4.66	3.87	3.26	2.78	-	-	-	-	-	-
5.0	-	4.85a	5.14a	4.53	3.78	3.21	2.76	2.35	1.99	-	-	-	-
4.0	-	-	5.23	4.29	3.61	3.09	2.67	2.29	1.97	-	-	-	-
3.0	-	-	-	3.99	3.39	2.93	2.54	2.20	1.91	1.66	-	-	-
2.0	-	-	-	3.71	3.19	2.78	2.41	2.10	1.84	1.62	-	-	-
1.0	-	-	-	3.55	3.05	2.66	2.31	2.02	1.78	1.57	-	-	-
0.0	-	-	4.20	3.49	2.98	2.59	2.25	1.97	1.74	1.56	-	-	-
-1.0	5.36a	5.33	4.22	3.49	2.97	2.57	2.23	1.96	1.75	-	-	-	-
-2.0	7.25	5.41	4.29	3.54	3.01	2.60	2.27	2.02	-	-	-	-	-
-3.0	5.90b	5.55	4.41	3.65	3.11	2.72	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<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.</p> <p>All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm</p>
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# RATED LIFT CAPACITY CHART

RIS 1530

MACHINE TYPE	Case CX135		EQUIPMENT	4m73 + 2m10
ISSUE DATE	03.06.2013		VERSION	DCH13U0298
FIRST of CLASS	N/A		Lifting Point: Aux Lift Point	
DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>4au</b>	 RAIL 150 - 180mm	360°		67%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	3.2	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	2.51	1.91	1.48	-	-	-	-	-	-	-	-
6.0	-	-	2.49	1.91	1.50	1.20	0.95	-	-	-	-	-	-
5.0	-	3.16	2.34	1.80	1.43	1.15	0.94	0.76	0.59	-	-	-	-
4.0	-	-	2.05	1.61	1.29	1.06	0.87	0.72	0.58	-	-	-	-
3.0	-	-	-	1.36	1.12	0.93	0.78	0.65	0.51	0.37	-	-	-
2.0	-	-	-	1.13	0.96	0.81	0.69	0.57	0.44	0.32	-	-	-
1.0	-	-	-	1.00	0.84	0.72	0.61	0.48	0.37	0.28	-	-	-
0.0	-	-	1.20	0.95	0.79	0.67	0.55	0.43	0.34	0.26	-	-	-
-1.0	2.46	1.65	1.22	0.95	0.78	0.65	0.53	0.42	0.34	-	-	-	-
-2.0	2.52	1.72	1.27	0.99	0.81	0.68	0.57	0.48	-	-	-	-	-
-3.0	2.67	1.84	1.37	1.08	0.89	0.76	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

DUTY	CONFIG	SECTOR	Osc Axle	Safety
<b>4a1</b>	 RAIL 150 - 180mm	360°		90%

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
8.00	-	4.42a	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	4.05	3.04	2.29	-	-	-	-	-	-	-	-
6.0	-	-	4.03	3.04	2.33	1.78	1.36	-	-	-	-	-	-
5.0	-	4.85a	3.80	2.88	2.21	1.71	1.33	1.03	0.76	-	-	-	-
4.0	-	-	3.36	2.58	1.99	1.56	1.23	0.96	0.74	-	-	-	-
3.0	-	-	-	2.17	1.71	1.36	1.08	0.86	0.67	0.51	-	-	-
2.0	-	-	-	1.80	1.44	1.16	0.94	0.75	0.59	0.46	-	-	-
1.0	-	-	-	1.58	1.26	1.01	0.82	0.66	0.53	0.41	-	-	-
0.0	-	-	2.00	1.50	1.17	0.93	0.75	0.60	0.49	0.39	-	-	-
-1.0	4.59	2.92	2.03	1.50	1.16	0.91	0.73	0.59	0.49	-	-	-	-
-2.0	4.70	3.03	2.12	1.57	1.20	0.95	0.77	0.65	-	-	-	-	-
-3.0	4.96	3.22	2.29	1.71	1.33	1.09	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-

<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.  All rail duties listed are valid for use on up to a 1:29 gradient, and with a maximum track twist of 27mm
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