

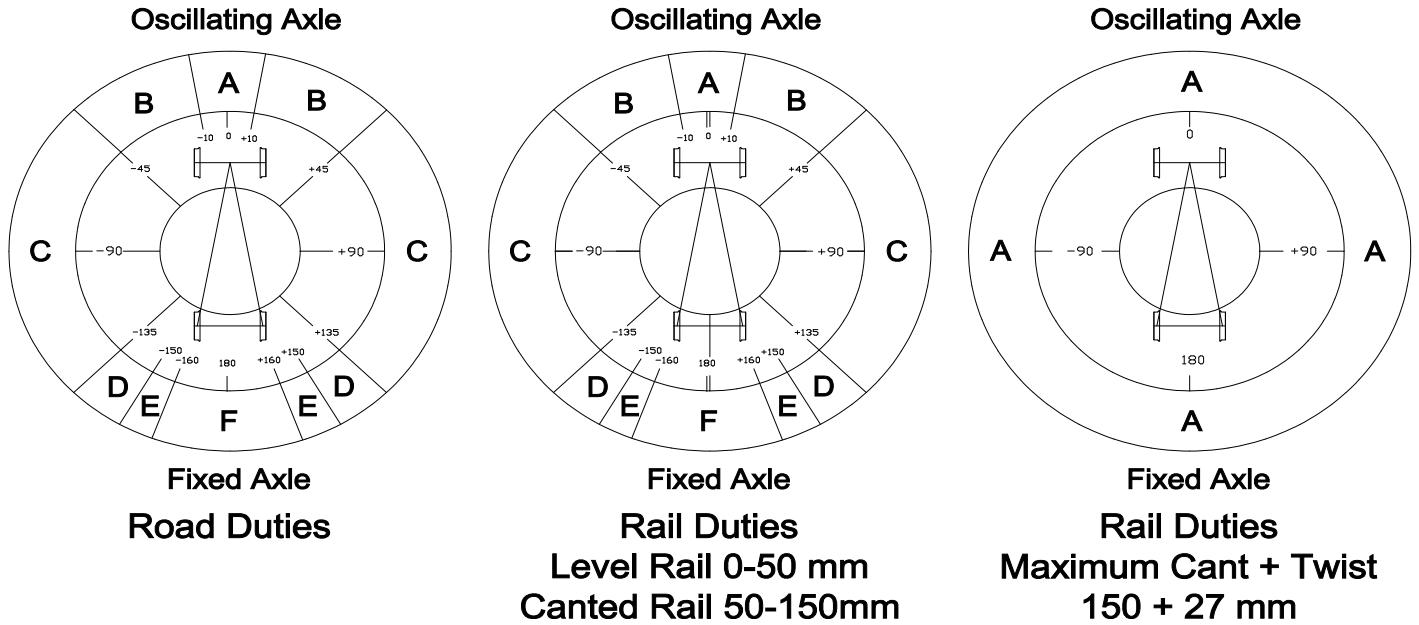
ROADRAILER

by REXQUOTE

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Machine fitted with permanently attached Quick Hitch

Standard Quick Hitch Lifting Eye Charts

Machine Type:	Komatsu PW160	
Serial Number:	H55516	
Rail Axle Number:	2287	
Network Rail Number:	99709 940691-7	
Equipment:	Boom 5.15m Arm 2.1m	
Date:	10th November 2016	
Issue:	2	
Software Versions:		
	Safety Controller	V1.26.0.10
	I/O Controller 1	V1.26.0.10
	I/O Controller 2	V1.26.0.10
	MMI	V1.26.0.10



This machine is equipped with a PME Rated Capacity Indicator. This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 6

Radius / Height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the lifting point with no other equipment attached.



Loads marked 'b' boom, 'r' articulation, 'a' arm and 'k' bucket cylinder are limited by hydraulic capacity.

Loads marked 'c' indicates a capped SWL.

Machine Type	PW160 Basic Mono	Equipment	5.15m + 2.10m
Issue Date	08/11/2016	Reference	2287
System Type	PME RAIL	Additional Info.	Monoboom



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1AU	Hitch	ROAD	+/- 10° Over Osc End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	4.40	3.84	2.55a	-	-	-	-	-
7.00	-	-	-	-	-	3.83	3.39	2.99	2.56	-	-	-
6.00	-	-	-	-	-	3.85	3.40	3.00	2.61	2.27	-	-
5.00	-	-	-	-	4.47	3.86	3.40	2.95	2.57	2.27	1.99	-
4.00	-	7.90	6.27	5.28	4.46	3.79	3.26	2.85	2.50	2.21	1.96	1.74
3.00	-	-	5.86	4.90	4.14	3.56	3.10	2.72	2.40	2.14	1.90	1.70
2.00	-	-	-	4.46	3.83	3.33	2.92	2.58	2.29	2.05	1.83	1.65
1.00	-	-	4.22a	4.16	3.59	3.13	2.76	2.45	2.19	1.97	1.77	1.60
0.00	-	-	4.81	4.02	3.45	3.00	2.65	2.36	2.11	1.90	1.72	1.56
-1.00	4.10a	5.67a	4.84	4.04	3.42	2.96	2.59	2.30	2.06	1.86	1.69	1.54
-2.00	6.68a	6.22a	5.00	4.09	3.44	2.97	2.60	2.30	2.06	1.87	1.69	-
-3.00	8.78	6.54	5.11	4.18	3.51	3.03	2.65	2.38	2.12	-	-	-
-4.00	8.27b	6.49	5.17	4.29	3.63	3.13	2.73	2.38	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1BU	Hitch	ROAD	+/- 10° - +/- 45° Over Osc End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	2.63	2.29	1.97	-	-	-	-	-
7.00	-	-	-	-	-	2.28	2.03	1.75	1.43	-	-	-
6.00	-	-	-	-	-	2.30	2.03	1.76	1.49	1.24	-	-
5.00	-	-	-	-	2.70	2.33	2.03	1.71	1.45	1.23	1.04	-
4.00	-	4.81	3.79	3.21	2.69	2.24	1.89	1.61	1.38	1.18	1.01	0.85
3.00	-	-	3.38	2.83	2.37	2.01	1.72	1.48	1.28	1.10	0.95	0.81
2.00	-	-	-	2.39	2.06	1.78	1.54	1.34	1.17	1.01	0.88	0.76
1.00	-	-	2.43	2.10	1.82	1.58	1.38	1.21	1.06	0.93	0.82	0.71
0.00	-	-	2.33	1.96	1.67	1.45	1.27	1.12	0.98	0.87	0.76	0.67
-1.00	4.10a	3.04	2.38	1.98	1.65	1.41	1.22	1.06	0.94	0.83	0.73	0.65
-2.00	4.40	3.26	2.52	2.03	1.67	1.42	1.22	1.06	0.94	0.84	0.74	-
-3.00	4.79	3.44	2.64	2.11	1.74	1.48	1.27	1.14	0.99	-	-	-
-4.00	5.00b	3.64	2.81	2.27	1.90	1.63	1.37	1.14	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1CU	Hitch	ROAD	+/- 45° - +/- 135°		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	3.05	2.65	2.29	-	-	-	-	-
7.00	-	-	-	-	2.64	2.35	2.04	1.69	-	-	-	-
6.00	-	-	-	-	2.66	2.35	2.05	1.75	1.48	-	-	-
5.00	-	-	-	-	3.12	2.69	2.35	2.00	1.71	1.47	1.26	-
4.00	-	5.53	4.37	3.69	3.10	2.60	2.21	1.89	1.64	1.42	1.23	1.06
3.00	-	-	3.96	3.31	2.79	2.38	2.04	1.77	1.54	1.34	1.17	1.02
2.00	-	-	-	2.88	2.47	2.14	1.86	1.63	1.43	1.26	1.10	0.97
1.00	-	-	3.00	2.58	2.23	1.94	1.70	1.50	1.33	1.17	1.04	0.92
0.00	-	-	2.91	2.44	2.09	1.81	1.59	1.41	1.25	1.11	0.99	0.88
-1.00	4.10a	3.76	2.96	2.46	2.06	1.77	1.54	1.35	1.20	1.07	0.95	0.86
-2.00	5.29	3.98	3.10	2.51	2.09	1.78	1.54	1.35	1.20	1.08	0.96	-
-3.00	5.75	4.17	3.21	2.59	2.15	1.84	1.59	1.43	1.25	-	-	-
-4.00	5.86b	4.36	3.39	2.75	2.31	2.00	1.70	1.43	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1DU	Hitch	ROAD	+/- 135° - +/- 150° Over Fixed End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.18a	4.21a	2.55a	-	-	-	-	-
7.00	-	-	-	-	5.19b	5.11a	4.14a	2.69a	-	-	-	-
6.00	-	-	-	-	5.06b	4.90b	4.64b	4.19	3.47a	-	-	-
5.00	-	-	-	-	5.93b	5.49b	5.19b	4.67	4.19	3.73	3.31	-
4.00	-	9.27k	8.25b	7.31b	6.91b	6.01	5.24	4.66	4.12	3.67	3.29	2.95
3.00	-	-	9.99b	8.19b	6.92	5.92	5.14	4.52	4.01	3.59	3.23	2.92
2.00	-	-	-	7.80	6.59	5.67	4.95	4.37	3.90	3.50	3.16	2.87
1.00	-	-	4.22a	7.44	6.32	5.46	4.78	4.24	3.79	3.41	3.09	2.81
0.00	-	-	5.58a	7.29	6.17	5.32	4.66	4.14	3.71	3.35	3.04	2.77
-1.00	4.10a	5.67a	7.68a	7.28	6.14	5.27	4.61	4.08	3.66	3.30	3.01	2.75
-2.00	6.68a	8.33a	8.96	7.39	6.17	5.29	4.61	4.08	3.66	3.32	3.01	-
-3.00	9.37a	9.68b	8.58b	7.35	6.19	5.32	4.65	4.12	3.69	-	-	-
-4.00	8.27b	7.25b	6.55b	5.85b	5.32b	4.65b	4.11b	3.34b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1EU	Hitch	ROAD	+/- 150° - +/- 160° Over Fixed End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.18a	4.21a	2.55a	-	-	-	-	-
7.00	-	-	-	-	-	5.19b	5.11a	4.14a	2.69a	-	-	-
6.00	-	-	-	-	-	5.06b	4.90b	4.64b	4.19	3.47a	-	-
5.00	-	-	-	-	5.93b	5.49b	5.19b	4.67	4.19	3.73	3.31	-
4.00	-	9.27k	8.25b	7.31b	6.91b	6.01	5.24	4.66	4.12	3.67	3.29	2.95
3.00	-	-	9.99b	8.19b	6.92	5.92	5.14	4.52	4.01	3.59	3.23	2.92
2.00	-	-	-	7.80	6.59	5.67	4.95	4.37	3.90	3.50	3.16	2.87
1.00	-	-	4.22a	7.44	6.32	5.46	4.78	4.24	3.79	3.41	3.09	2.81
0.00	-	-	5.58a	7.29	6.17	5.32	4.66	4.14	3.71	3.35	3.04	2.77
-1.00	4.10a	5.67a	7.68a	7.28	6.14	5.27	4.61	4.08	3.66	3.30	3.01	2.75
-2.00	6.68a	8.33a	8.96	7.39	6.17	5.29	4.61	4.08	3.66	3.32	3.01	-
-3.00	9.37a	9.68b	8.58b	7.35	6.19	5.32	4.65	4.12	3.69	-	-	-
-4.00	8.27b	7.25b	6.55b	5.85b	5.32b	4.65b	4.11b	3.34b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1FU	Hitch	ROAD	+/- 160° - +/- 180° Over Fixed End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.18a	4.21a	2.55a	-	-	-	-	-
7.00	-	-	-	-	-	5.19b	5.11a	4.14a	2.69a	-	-	-
6.00	-	-	-	-	-	5.06b	4.90b	4.64b	4.19	3.47a	-	-
5.00	-	-	-	-	5.93b	5.49b	5.19b	4.67	4.19	3.73	3.31	-
4.00	-	9.27k	8.25b	7.31b	6.91b	6.01	5.24	4.66	4.12	3.67	3.29	2.95
3.00	-	-	9.99b	8.19b	6.92	5.92	5.14	4.52	4.01	3.59	3.23	2.92
2.00	-	-	-	7.80	6.59	5.67	4.95	4.37	3.90	3.50	3.16	2.87
1.00	-	-	4.22a	7.44	6.32	5.46	4.78	4.24	3.79	3.41	3.09	2.81
0.00	-	-	5.58a	7.29	6.17	5.32	4.66	4.14	3.71	3.35	3.04	2.77
-1.00	4.10a	5.67a	7.68a	7.28	6.14	5.27	4.61	4.08	3.66	3.30	3.01	2.75
-2.00	6.68a	8.33a	8.96	7.39	6.17	5.29	4.61	4.08	3.66	3.32	3.01	-
-3.00	9.37a	9.68b	8.58b	7.35	6.19	5.32	4.65	4.12	3.69	-	-	-
-4.00	8.27b	7.25b	6.55b	5.85b	5.32b	4.65b	4.11b	3.34b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1AL	Hitch	ROAD	+/- 10° Over Osc End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.09	4.21a	2.55a	-	-	-	-	-
7.00	-	-	-	-	4.37	3.84	3.36	2.69a	-	-	-	-
6.00	-	-	-	-	4.39	3.85	3.38	2.93	2.54	-	-	-
5.00	-	-	-	-	5.16	4.40	3.85	3.32	2.89	2.54	2.23	-
4.00	-	9.27k	7.51	6.18	5.14	4.33	3.70	3.21	2.81	2.48	2.20	1.94
3.00	-	-	7.06	5.77	4.80	4.09	3.53	3.08	2.71	2.40	2.13	1.90
2.00	-	-	-	5.28	4.47	3.83	3.33	2.93	2.59	2.31	2.06	1.85
1.00	-	-	4.22a	4.96	4.20	3.62	3.17	2.80	2.49	2.22	2.00	1.80
0.00	-	-	5.58a	4.81	4.05	3.49	3.05	2.69	2.40	2.15	1.94	1.76
-1.00	4.10a	5.67a	5.86	4.83	4.02	3.44	2.99	2.64	2.35	2.11	1.91	1.74
-2.00	6.68a	7.76	6.09	4.88	4.05	3.45	3.00	2.64	2.35	2.13	1.92	-
-3.00	9.37a	8.09	6.22	4.97	4.11	3.51	3.05	2.72	2.41	-	-	-
-4.00	8.27b	7.25b	6.16	5.01	4.20	3.59	3.12	2.72	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1BL	Hitch	ROAD	+/- 10° - +/- 45° Over Osc End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	4.99	4.21a	2.55a	-	-	-	-	-
7.00	-	-	-	-	4.24	3.70	3.22	2.69a	-	-	-	-
6.00	-	-	-	-	4.27	3.71	3.24	2.79	2.39	-	-	-
5.00	-	-	-	-	5.07	4.28	3.71	3.18	2.74	2.39	2.09	-
4.00	-	9.27k	7.61	6.15	5.05	4.20	3.56	3.06	2.66	2.33	2.05	1.80
3.00	-	-	7.12	5.71	4.69	3.95	3.38	2.92	2.56	2.25	1.99	1.76
2.00	-	-	-	5.19	4.33	3.68	3.18	2.77	2.44	2.16	1.92	1.71
1.00	-	-	4.22a	4.84	4.05	3.46	3.00	2.63	2.32	2.07	1.85	1.66
0.00	-	-	5.58a	4.68	3.89	3.32	2.88	2.53	2.24	2.00	1.79	1.61
-1.00	4.10a	5.67a	5.80	4.70	3.86	3.27	2.82	2.47	2.19	1.95	1.76	1.59
-2.00	6.68a	7.96	6.06	4.76	3.89	3.28	2.82	2.47	2.19	1.97	1.76	-
-3.00	9.37a	8.25	6.20	4.86	3.96	3.34	2.88	2.55	2.25	-	-	-
-4.00	8.27b	7.25b	6.14	4.92	4.05	3.44	2.96	2.55	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
 NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1CL	Hitch	ROAD	+/- 45° - +/- 135°		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	4.92	4.20	2.55a	-	-	-	-	-
7.00	-	-	-	-	-	4.18	3.65	3.17	2.66	-	-	-
6.00	-	-	-	-	-	4.20	3.66	3.19	2.74	2.35	-	-
5.00	-	-	-	-	4.99	4.22	3.66	3.13	2.70	2.35	2.05	-
4.00	-	9.27k	7.50	6.06	4.98	4.14	3.51	3.01	2.62	2.29	2.01	1.77
3.00	-	-	7.01	5.62	4.62	3.89	3.32	2.88	2.51	2.21	1.95	1.73
2.00	-	-	-	5.10	4.26	3.62	3.12	2.72	2.39	2.12	1.88	1.67
1.00	-	-	4.22a	4.76	3.98	3.40	2.95	2.58	2.28	2.03	1.81	1.62
0.00	-	-	5.58a	4.59	3.82	3.25	2.82	2.48	2.19	1.96	1.75	1.58
-1.00	4.10a	5.67a	5.73	4.61	3.79	3.20	2.76	2.42	2.14	1.91	1.72	1.56
-2.00	6.68a	7.81	5.95	4.67	3.81	3.22	2.77	2.42	2.14	1.93	1.73	-
-3.00	9.37a	8.18	6.09	4.77	3.89	3.28	2.82	2.50	2.20	-	-	-
-4.00	8.27b	7.25b	6.06	4.83	3.99	3.37	2.92	2.50	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1DL	Hitch	ROAD	+/- 135° - +/- 150° Over Fixed End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.18a	4.21a	2.55a	-	-	-	-	-
7.00	-	-	-	-	-	5.19b	5.11a	4.14a	2.69a	-	-	-
6.00	-	-	-	-	-	5.06b	4.90b	4.64b	4.19	3.47a	-	-
5.00	-	-	-	-	5.93b	5.49b	5.19b	4.67	4.19	3.73	3.31	-
4.00	-	9.27k	8.25b	7.31b	6.91b	6.01	5.24	4.66	4.12	3.67	3.29	2.95
3.00	-	-	9.99b	8.19b	6.92	5.92	5.14	4.52	4.01	3.59	3.23	2.92
2.00	-	-	-	7.80	6.59	5.67	4.95	4.37	3.90	3.50	3.16	2.87
1.00	-	-	4.22a	7.44	6.32	5.46	4.78	4.24	3.79	3.41	3.09	2.81
0.00	-	-	5.58a	7.29	6.17	5.32	4.66	4.14	3.71	3.35	3.04	2.77
-1.00	4.10a	5.67a	7.68a	7.28	6.14	5.27	4.61	4.08	3.66	3.30	3.01	2.75
-2.00	6.68a	8.33a	8.96	7.39	6.17	5.29	4.61	4.08	3.66	3.32	3.01	-
-3.00	9.37a	9.68b	8.58b	7.35	6.19	5.32	4.65	4.12	3.69	-	-	-
-4.00	8.27b	7.25b	6.55b	5.85b	5.32b	4.65b	4.11b	3.34b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1EL	Hitch	ROAD	+/- 150° - +/- 160° Over Fixed End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.18a	4.21a	2.55a	-	-	-	-	-
7.00	-	-	-	-	-	5.19b	5.11a	4.14a	2.69a	-	-	-
6.00	-	-	-	-	-	5.06b	4.90b	4.64b	4.19	3.47a	-	-
5.00	-	-	-	-	5.93b	5.49b	5.19b	4.67	4.19	3.73	3.31	-
4.00	-	9.27k	8.25b	7.31b	6.91b	6.01	5.24	4.66	4.12	3.67	3.29	2.95
3.00	-	-	9.99b	8.19b	6.92	5.92	5.14	4.52	4.01	3.59	3.23	2.92
2.00	-	-	-	7.80	6.59	5.67	4.95	4.37	3.90	3.50	3.16	2.87
1.00	-	-	4.22a	7.44	6.32	5.46	4.78	4.24	3.79	3.41	3.09	2.81
0.00	-	-	5.58a	7.29	6.17	5.32	4.66	4.14	3.71	3.35	3.04	2.77
-1.00	4.10a	5.67a	7.68a	7.28	6.14	5.27	4.61	4.08	3.66	3.30	3.01	2.75
-2.00	6.68a	8.33a	8.96	7.39	6.17	5.29	4.61	4.08	3.66	3.32	3.01	-
-3.00	9.37a	9.68b	8.58b	7.35	6.19	5.32	4.65	4.12	3.69	-	-	-
-4.00	8.27b	7.25b	6.55b	5.85b	5.32b	4.65b	4.11b	3.34b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
1FL	Hitch	ROAD	+/- 160° - +/- 180° Over Fixed End		71%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.18a	4.21a	2.55a	-	-	-	-	-
7.00	-	-	-	-	-	5.19b	5.11a	4.14a	2.69a	-	-	-
6.00	-	-	-	-	-	5.06b	4.90b	4.64b	4.19	3.47a	-	-
5.00	-	-	-	-	5.93b	5.49b	5.19b	4.67	4.19	3.73	3.31	-
4.00	-	9.27k	8.25b	7.31b	6.91b	6.01	5.24	4.66	4.12	3.67	3.29	2.95
3.00	-	-	9.99b	8.19b	6.92	5.92	5.14	4.52	4.01	3.59	3.23	2.92
2.00	-	-	-	7.80	6.59	5.67	4.95	4.37	3.90	3.50	3.16	2.87
1.00	-	-	4.22a	7.44	6.32	5.46	4.78	4.24	3.79	3.41	3.09	2.81
0.00	-	-	5.58a	7.29	6.17	5.32	4.66	4.14	3.71	3.35	3.04	2.77
-1.00	4.10a	5.67a	7.68a	7.28	6.14	5.27	4.61	4.08	3.66	3.30	3.01	2.75
-2.00	6.68a	8.33a	8.96	7.39	6.17	5.29	4.61	4.08	3.66	3.32	3.01	-
-3.00	9.37a	9.68b	8.58b	7.35	6.19	5.32	4.65	4.12	3.69	-	-	-
-4.00	8.27b	7.25b	6.55b	5.85b	5.32b	4.65b	4.11b	3.34b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2AU	Hitch	RAIL	+/- 10° Over Osc End		67%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	4.42	3.87	3.40a	-	-	-	-	-
7.00	-	-	-	-	-	3.86	3.43	3.03	2.64	-	-	-
6.00	-	-	-	-	-	3.89	3.44	3.03	2.66	2.33	-	-
5.00	-	-	-	-	4.49	3.91	3.41	2.98	2.62	2.32	2.05	-
4.00	-	7.78	6.23	5.24	4.41	3.78	3.29	2.88	2.55	2.26	2.02	1.80
3.00	-	-	5.71	4.82	4.12	3.57	3.12	2.76	2.45	2.19	1.96	1.76
2.00	-	-	-	4.44	3.84	3.35	2.95	2.63	2.35	2.11	1.90	1.71
1.00	-	-	4.35a	4.20	3.63	3.18	2.82	2.51	2.25	2.03	1.84	1.67
0.00	-	3.68a	4.87	4.10	3.52	3.08	2.72	2.43	2.18	1.97	1.79	1.63
-1.00	4.04a	6.02a	4.95	4.13	3.51	3.05	2.69	2.39	2.15	1.94	1.77	1.62
-2.00	7.12a	6.41	5.08	4.17	3.54	3.07	2.70	2.40	2.16	1.97	1.77	-
-3.00	8.56	6.53	5.19	4.27	3.62	3.13	2.76	2.48	2.20	-	-	-
-4.00	7.46b	6.45	5.19	4.32	3.68	3.20	2.81	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2BU	Hitch	RAIL	+/- 10° - +/- 45° Over Osc End		67%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	2.61	2.27	2.02	-	-	-	-	-
7.00	-	-	-	-	-	2.26	2.01	1.74	1.46	-	-	-
6.00	-	-	-	-	-	2.29	2.01	1.74	1.47	1.24	-	-
5.00	-	-	-	-	2.69	2.31	1.98	1.69	1.43	1.23	1.04	-
4.00	-	4.78	3.77	3.16	2.60	2.18	1.85	1.58	1.36	1.17	1.01	0.86
3.00	-	-	3.23	2.73	2.30	1.96	1.68	1.46	1.26	1.09	0.95	0.82
2.00	-	-	-	2.33	2.01	1.74	1.51	1.32	1.16	1.01	0.88	0.77
1.00	-	-	2.44	2.08	1.80	1.57	1.37	1.21	1.06	0.94	0.82	0.72
0.00	-	3.03	2.38	1.98	1.68	1.46	1.28	1.12	0.99	0.88	0.78	0.69
-1.00	4.04a	3.10	2.46	2.01	1.68	1.43	1.24	1.08	0.95	0.85	0.75	0.67
-2.00	4.49	3.35	2.57	2.06	1.71	1.45	1.25	1.09	0.97	0.87	0.75	-
-3.00	4.89	3.48	2.69	2.16	1.79	1.51	1.32	1.17	1.01	-	-	-
-4.00	4.98b	3.70	2.88	2.33	1.97	1.66	1.39	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
 NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2CU	Hitch	RAIL	+/- 45° - +/- 135°		67%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	2.27	1.99	1.78	-	-	-	-	-
7.00	-	-	-	-	1.98	1.76	1.53	1.27	-	-	-	-
6.00	-	-	-	-	2.00	1.77	1.53	1.28	1.07	-	-	-
5.00	-	-	-	-	2.35	2.03	1.74	1.48	1.25	1.06	0.89	-
4.00	-	4.06	3.25	2.74	2.27	1.90	1.61	1.38	1.18	1.00	0.86	0.72
3.00	-	-	2.73	2.33	1.98	1.69	1.45	1.25	1.08	0.93	0.80	0.68
2.00	-	-	-	1.95	1.70	1.48	1.28	1.12	0.98	0.85	0.74	0.64
1.00	-	-	1.98	1.72	1.49	1.31	1.15	1.01	0.89	0.78	0.68	0.59
0.00	-	2.41	1.92	1.61	1.38	1.20	1.05	0.93	0.82	0.72	0.63	0.56
-1.00	3.35	2.48	1.99	1.64	1.38	1.18	1.02	0.89	0.78	0.69	0.61	0.54
-2.00	3.56	2.72	2.11	1.69	1.41	1.19	1.03	0.90	0.80	0.71	0.61	-
-3.00	3.92	2.84	2.22	1.78	1.48	1.26	1.09	0.97	0.84	-	-	-
-4.00	4.10b	3.08	2.40	1.95	1.67	1.40	1.16	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2DU	Hitch	RAIL	+/- 135° - +/- 150° Over Fixed End		67%	


	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	3.78	3.31	2.96	-	-	-	-	-
7.00	-	-	-	-	-	3.31	2.95	2.60	2.25	-	-	-
6.00	-	-	-	-	-	3.33	2.95	2.60	2.26	1.97	-	-
5.00	-	-	-	-	3.86	3.35	2.92	2.55	2.22	1.96	1.72	-
4.00	-	6.62	5.32	4.49	3.78	3.23	2.80	2.45	2.15	1.90	1.69	1.49
3.00	-	-	4.81	4.08	3.49	3.02	2.63	2.32	2.05	1.83	1.63	1.45
2.00	-	-	-	3.70	3.21	2.80	2.47	2.19	1.95	1.75	1.57	1.41
1.00	-	-	4.05	3.46	3.00	2.64	2.33	2.08	1.86	1.67	1.51	1.36
0.00	-	3.68a	4.00	3.36	2.89	2.53	2.24	2.00	1.79	1.62	1.46	1.33
-1.00	4.04a	4.99	4.07	3.39	2.89	2.50	2.20	1.96	1.76	1.58	1.44	1.31
-2.00	6.72	5.28	4.18	3.44	2.91	2.52	2.21	1.97	1.77	1.61	1.44	-
-3.00	7.18b	5.40	4.29	3.53	2.99	2.58	2.28	2.04	1.81	-	-	-
-4.00	7.07b	5.44b	4.38b	3.64b	3.10b	2.68	2.35	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Duty	Lift Point	Config	Sector	Osc Axle	Safety
2EU	Hitch	RAIL	+/- 150° - +/- 160° Over Fixed End		67%





	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.33	4.73a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	4.73	4.25	3.80	3.30a	-	-	-
6.00	-	-	-	-	-	4.75	4.26	3.80	3.38	3.02	-	-
5.00	-	-	-	-	5.41	4.77	4.23	3.76	3.35	3.01	2.71	-
4.00	-	8.70	7.21	6.20	5.33	4.66	4.11	3.66	3.28	2.96	2.68	2.43
3.00	-	-	6.75	5.82	5.06	4.46	3.96	3.54	3.19	2.89	2.63	2.39
2.00	-	-	-	5.47	4.81	4.26	3.80	3.42	3.09	2.81	2.57	2.35
1.00	-	-	4.35a	5.26	4.62	4.10	3.67	3.31	3.01	2.74	2.51	2.30
0.00	-	3.68a	5.97a	5.17	4.51	4.00	3.58	3.24	2.94	2.69	2.46	2.27
-1.00	4.04a	6.02a	6.02	5.19	4.51	3.98	3.55	3.20	2.91	2.66	2.44	2.25
-2.00	7.12a	7.46a	6.19	5.23	4.54	3.99	3.56	3.21	2.92	2.68	2.44	-
-3.00	9.36	7.56	6.27	5.32	4.60	4.05	3.62	3.27	2.96	-	-	-
-4.00	7.46b	6.64b	6.07b	5.29b	4.59	4.05	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
2FU	Hitch	RAIL	+/- 160° - +/- 180° Over Fixed End		67%





	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	4.99	4.46	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.97b	4.48	4.04	3.57	-	-
5.00	-	-	-	-	6.12b	5.65b	5.04	4.50	4.00	3.57	3.20	-
4.00	-	10.00c	8.63b	7.52b	6.58	5.73	5.01	4.41	3.93	3.51	3.16	2.86
3.00	-	-	9.07	7.55	6.40	5.53	4.84	4.28	3.82	3.44	3.11	2.82
2.00	-	-	-	7.14	6.10	5.30	4.67	4.15	3.72	3.35	3.04	2.77
1.00	-	-	4.35a	6.88	5.89	5.13	4.52	4.03	3.62	3.28	2.98	2.72
0.00	-	3.68a	5.97a	6.77	5.77	5.01	4.42	3.95	3.55	3.22	2.93	2.69
-1.00	4.04a	6.02a	8.16	6.81	5.76	4.99	4.39	3.90	3.51	3.19	2.91	2.51a
-2.00	7.12a	8.69a	8.34	6.86	5.79	5.00	4.40	3.91	3.53	3.21	2.88a	-
-3.00	9.70a	9.19b	8.22b	6.85	5.83	5.04	4.44	3.94	3.55	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
 NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2AL	Hitch	RAIL	+/- 10° Over Osc End		75%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	5.08b	4.53a	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.97b	4.76	4.31	3.79a	-	-
5.00	-	-	-	-	6.12b	5.65b	5.26b	4.79	4.32	3.84	3.42	-
4.00	-	10.00c	8.63b	7.52b	7.15b	6.18	5.38	4.79	4.24	3.77	3.39	3.04
3.00	-	-	10.00c	8.43b	7.08	6.06	5.27	4.64	4.12	3.69	3.32	3.00
2.00	-	-	-	7.96	6.73	5.80	5.07	4.48	4.00	3.59	3.25	2.94
1.00	-	-	4.35a	7.63	6.48	5.60	4.91	4.35	3.89	3.50	3.18	2.89
0.00	-	3.68a	5.97a	7.50	6.34	5.47	4.79	4.25	3.81	3.44	3.12	2.85
-1.00	4.04a	6.02a	8.26a	7.53	6.34	5.44	4.75	4.20	3.76	3.40	3.09	2.51a
-2.00	7.12a	8.69a	9.25	7.60	6.37	5.46	4.76	4.22	3.78	3.42	2.88a	-
-3.00	9.70a	9.19b	8.22b	7.34b	6.34b	5.46	4.78	4.23	3.79	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2BL	Hitch	RAIL	+/- 10° - +/- 45° Over Osc End		90%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.09	4.38	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	4.37	3.83	3.33	2.84	-	-	-
6.00	-	-	-	-	-	4.40	3.85	3.33	2.85	2.43	-	-
5.00	-	-	-	-	5.21	4.44	3.80	3.26	2.80	2.41	2.05	-
4.00	-	10.00	7.65	6.22	5.09	4.26	3.62	3.12	2.70	2.33	2.00	1.71
3.00	-	-	6.84	5.60	4.66	3.94	3.38	2.94	2.56	2.21	1.92	1.66
2.00	-	-	-	5.02	4.24	3.63	3.15	2.75	2.40	2.09	1.82	1.58
1.00	-	-	4.35a	4.66	3.94	3.39	2.95	2.59	2.26	1.98	1.73	1.51
0.00	-	3.68a	5.55	4.51	3.77	3.23	2.81	2.47	2.15	1.89	1.66	1.46
-1.00	4.04a	6.02a	5.60	4.55	3.77	3.20	2.76	2.41	2.10	1.84	1.62	1.44
-2.00	7.12a	7.46a	5.86	4.62	3.81	3.22	2.78	2.42	2.12	1.87	1.63	-
-3.00	9.70a	7.88	6.03	4.77	3.92	3.31	2.87	2.54	2.19	-	-	-
-4.00	7.46b	6.64b	5.90	4.79	4.00	3.39	2.94b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2CL	Hitch	RAIL	+/- 45° - +/- 135°		90%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	4.32	3.74	3.27	-	-	-	-	-
7.00	-	-	-	-	-	3.73	3.29	2.85	2.40	-	-	-
6.00	-	-	-	-	-	3.76	3.30	2.85	2.42	2.02	-	-
5.00	-	-	-	-	4.43	3.79	3.25	2.79	2.36	2.00	1.68	-
4.00	-	8.24	6.38	5.25	4.32	3.62	3.08	2.65	2.25	1.92	1.63	1.38
3.00	-	-	5.61	4.66	3.90	3.32	2.85	2.46	2.11	1.81	1.55	1.32
2.00	-	-	-	4.11	3.51	3.02	2.62	2.26	1.95	1.69	1.46	1.25
1.00	-	-	4.35a	3.77	3.22	2.78	2.42	2.09	1.81	1.57	1.37	1.18
0.00	-	3.68a	4.40	3.62	3.06	2.63	2.27	1.97	1.71	1.49	1.30	1.13
-1.00	4.04a	5.75	4.53	3.67	3.05	2.60	2.22	1.91	1.65	1.44	1.26	1.11
-2.00	7.12a	6.19	4.69	3.73	3.09	2.62	2.23	1.92	1.68	1.48	1.26	-
-3.00	8.82	6.38	4.86	3.87	3.20	2.71	2.33	2.04	1.74	-	-	-
-4.00	7.46b	6.31	4.90	3.99	3.33	2.85b	2.44	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2DL	Hitch	RAIL	+/- 135° - +/- 150° Over Fixed End		75%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	4.77	4.23	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.78	4.28	3.76	3.30	-	-
5.00	-	-	-	-	6.12b	5.50b	4.81b	4.24	3.71	3.29	2.91	-
4.00	-	10.00c	8.63b	7.45	6.39b	5.47	4.72	4.12	3.63	3.22	2.88	2.57
3.00	-	-	8.87	7.27	6.09	5.21	4.52	3.97	3.51	3.13	2.81	2.53
2.00	-	-	-	6.79	5.75	4.95	4.32	3.81	3.39	3.04	2.74	2.47
1.00	-	-	4.35a	6.48	5.50	4.74	4.15	3.68	3.28	2.95	2.67	2.42
0.00	-	3.68a	5.97a	6.36	5.36	4.61	4.04	3.58	3.20	2.88	2.61	2.38
-1.00	4.04a	6.02a	7.79	6.40	5.35	4.58	4.00	3.53	3.16	2.85	2.58	2.36
-2.00	7.12a	8.69a	8.04	6.46	5.38	4.60	4.01	3.54	3.18	2.87	2.59	-
-3.00	9.70a	9.19b	7.96	6.47	5.45	4.68	4.08	3.60	3.22	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2EL	Hitch	RAIL	+/- 150° - +/- 160° Over Fixed End		75%	


	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	5.08b	4.53a	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.97b	4.81b	4.47	3.81a	-	-
5.00	-	-	-	-	6.12b	5.65b	5.26b	4.96	4.48b	4.07	3.63	-
4.00	-	10.00c	8.63b	7.52b	7.15b	6.31b	5.59	4.99	4.47	4.00	3.61	3.26
3.00	-	-	10.00c	8.47	7.27	6.29	5.51	4.88	4.36	3.92	3.54	3.22
2.00	-	-	-	8.13	6.95	6.04	5.32	4.73	4.24	3.83	3.47	3.16
1.00	-	-	4.35a	7.80	6.71	5.84	5.16	4.60	4.13	3.74	3.40	3.11
0.00	-	3.68a	5.97a	7.70	6.58	5.72	5.05	4.50	4.05	3.68	3.35	3.07
-1.00	4.04a	6.02a	8.26a	7.71	6.58	5.69	5.01	4.46	4.01	3.64	3.32	2.51a
-2.00	7.12a	8.69a	9.34	7.78	6.61	5.71	5.02	4.47	4.03	3.66	2.88a	-
-3.00	9.70a	9.19b	8.22b	7.34b	6.54	5.69	5.02	4.47	4.01	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2FL	Hitch	RAIL	+/- 160° - +/- 180° Over Fixed End		75%	


	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	5.08b	4.53a	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.97b	4.81b	4.48	3.81a	-	-
5.00	-	-	-	-	6.12b	5.65b	5.26b	4.98	4.48b	4.08	3.64	-
4.00	-	10.00c	8.63b	7.52b	7.15b	6.31b	5.59b	5.00	4.48	4.02	3.62	3.27
3.00	-	-	10.00c	8.50	7.29	6.31	5.53	4.89	4.37	3.93	3.56	3.23
2.00	-	-	-	8.15a	6.98	6.06	5.33	4.74	4.25	3.84	3.48	3.17
1.00	-	-	4.35a	7.83	6.74	5.87	5.18	4.61	4.15	3.75	3.42	3.12
0.00	-	3.68a	5.97a	7.73	6.61	5.74	5.07	4.52	4.07	3.69	3.36	3.08
-1.00	4.04a	6.02a	8.26a	7.74	6.60	5.71	5.03	4.48	4.03	3.65	3.34	2.51a
-2.00	7.12a	8.69a	9.37	7.81	6.63	5.73	5.04	4.49	4.04	3.67	2.88a	-
-3.00	9.70a	9.19b	8.22b	7.34b	6.56b	5.71	5.03	4.49	4.02	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-


SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
 NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3AU	Hitch	CANT	+/- 10° Over Osc End		67%




	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	3.57	3.10	2.75	-	-	-	-	-
7.00	-	-	-	-	-	3.10	2.74	2.40	2.06	-	-	-
6.00	-	-	-	-	-	3.12	2.75	2.40	2.07	1.78	-	-
5.00	-	-	-	-	3.65	3.15	2.72	2.35	2.03	1.77	1.54	-
4.00	-	6.54	5.15	4.29	3.56	3.02	2.59	2.24	1.96	1.72	1.51	1.32
3.00	-	-	4.60	3.85	3.26	2.79	2.42	2.11	1.86	1.64	1.45	1.28
2.00	-	-	-	3.45	2.97	2.57	2.25	1.98	1.75	1.56	1.39	1.23
1.00	-	-	3.79	3.20	2.75	2.40	2.11	1.86	1.66	1.48	1.32	1.19
0.00	-	3.68a	3.74	3.09	2.63	2.29	2.01	1.78	1.59	1.42	1.28	1.15
-1.00	4.04a	4.77	3.81	3.13	2.63	2.26	1.97	1.74	1.55	1.39	1.25	1.14
-2.00	6.66	5.08	3.93	3.18	2.66	2.28	1.98	1.75	1.57	1.41	1.26	-
-3.00	7.18b	5.21	4.05	3.28	2.74	2.34	2.05	1.83	1.61	-	-	-
-4.00	7.07b	5.27	4.15	3.42b	2.88	2.47	2.12	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety
3BU	Hitch	CANT	+/- 10° - +/- 45° Over Osc End		67%




	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	2.15	1.88	1.69	-	-	-	-	-
7.00	-	-	-	-	-	1.87	1.67	1.45	1.20	-	-	-
6.00	-	-	-	-	-	1.90	1.68	1.45	1.21	1.01	-	-
5.00	-	-	-	-	2.22	1.92	1.65	1.40	1.17	1.00	0.83	-
4.00	-	3.81	3.06	2.59	2.14	1.80	1.52	1.30	1.11	0.94	0.80	0.67
3.00	-	-	2.55	2.18	1.86	1.59	1.36	1.17	1.01	0.87	0.74	0.63
2.00	-	-	-	1.81	1.58	1.38	1.20	1.04	0.91	0.79	0.68	0.58
1.00	-	-	1.81	1.58	1.38	1.21	1.06	0.93	0.82	0.71	0.62	0.54
0.00	-	2.20	1.76	1.48	1.27	1.10	0.97	0.85	0.75	0.66	0.58	0.50
-1.00	3.04	2.26	1.83	1.51	1.27	1.08	0.93	0.81	0.71	0.63	0.55	0.49
-2.00	3.24	2.50	1.94	1.55	1.29	1.10	0.94	0.82	0.73	0.65	0.55	-
-3.00	3.60	2.62	2.04	1.65	1.37	1.16	1.01	0.90	0.77	-	-	-
-4.00	3.78	2.85	2.23	1.81	1.57	1.30	1.08	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-


SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3CU	Hitch	CANT	+/- 45° - +/- 135°		67%




	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	2.06	1.79	1.60	-	-	-	-	-
7.00	-	-	-	-	-	1.79	1.59	1.37	1.13	-	-	-
6.00	-	-	-	-	-	1.81	1.60	1.37	1.14	0.94	-	-
5.00	-	-	-	-	2.13	1.84	1.57	1.32	1.10	0.92	0.76	-
4.00	-	3.73	2.97	2.50	2.05	1.71	1.44	1.22	1.03	0.87	0.73	0.60
3.00	-	-	2.44	2.08	1.76	1.49	1.27	1.09	0.93	0.79	0.67	0.56
2.00	-	-	-	1.70	1.48	1.28	1.11	0.96	0.83	0.71	0.61	0.52
1.00	-	-	1.68	1.46	1.27	1.11	0.97	0.84	0.74	0.64	0.55	0.46
0.00	-	2.05	1.62	1.36	1.16	1.00	0.87	0.76	0.67	0.58	0.50	0.41
-1.00	2.91	2.13	1.70	1.39	1.15	0.98	0.84	0.72	0.63	0.55	0.48	0.39
-2.00	3.12	2.37	1.81	1.43	1.18	0.99	0.85	0.73	0.65	0.57	0.48	-
-3.00	3.50	2.49	1.92	1.53	1.26	1.06	0.91	0.81	0.69	-	-	-
-4.00	3.69	2.73	2.11	1.70	1.47	1.20	0.98	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3DU	Hitch	CANT	+/- 135° - +/- 150° Over Fixed End		67%




	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	2.97	2.63	2.37	-	-	-	-	-
7.00	-	-	-	-	-	2.62	2.36	2.08	1.80	-	-	-
6.00	-	-	-	-	-	2.65	2.36	2.08	1.81	1.57	-	-
5.00	-	-	-	-	3.04	2.67	2.34	2.03	1.77	1.55	1.36	-
4.00	-	4.92	4.06	3.49	2.96	2.55	2.22	1.94	1.71	1.50	1.33	1.16
3.00	-	-	3.60	3.12	2.70	2.35	2.06	1.82	1.61	1.43	1.27	1.13
2.00	-	-	-	2.77	2.44	2.15	1.91	1.70	1.52	1.35	1.21	1.08
1.00	-	-	2.92	2.55	2.25	2.00	1.78	1.59	1.43	1.28	1.16	1.04
0.00	-	3.47	2.87	2.46	2.15	1.90	1.69	1.52	1.36	1.23	1.11	1.01
-1.00	4.04a	3.53	2.93	2.49	2.14	1.87	1.66	1.48	1.33	1.20	1.09	0.99
-2.00	4.68	3.74	3.04	2.53	2.17	1.89	1.67	1.49	1.34	1.22	1.09	-
-3.00	4.98	3.85	3.13	2.62	2.24	1.95	1.73	1.56	1.38	-	-	-
-4.00	5.03	4.00	3.30	2.77	2.38	2.08	1.79	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3EU	Hitch	CANT	+/- 150° - +/- 160° Over Fixed End		67%





	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	4.59	4.02	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	4.02	3.58	3.17	2.77	-	-	-
6.00	-	-	-	-	-	4.04	3.59	3.17	2.78	2.45	-	-
5.00	-	-	-	-	4.66	4.07	3.56	3.12	2.74	2.44	2.16	-
4.00	-	7.99	6.43	5.43	4.58	3.94	3.43	3.02	2.67	2.38	2.13	1.90
3.00	-	-	5.92	5.01	4.29	3.73	3.27	2.89	2.58	2.31	2.07	1.87
2.00	-	-	-	4.64	4.01	3.51	3.10	2.76	2.47	2.23	2.01	1.82
1.00	-	-	4.35a	4.40	3.81	3.35	2.97	2.65	2.38	2.15	1.95	1.77
0.00	-	3.68a	5.09	4.30	3.70	3.24	2.87	2.57	2.31	2.10	1.91	1.74
-1.00	4.04a	6.02a	5.15	4.33	3.70	3.22	2.84	2.53	2.28	2.06	1.88	1.72
-2.00	7.12a	6.65	5.29	4.37	3.72	3.23	2.85	2.54	2.29	2.09	1.88	-
-3.00	8.80	6.75b	5.40	4.47	3.80	3.29	2.91	2.62	2.33	-	-	-
-4.00	7.46b	6.64b	5.39b	4.50b	3.85	3.35	2.95	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3FU	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		67%





	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	4.63	4.16a	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.65	4.21	3.76	3.37	-	-
5.00	-	-	-	-	5.92	5.21	4.66	4.16	3.72	3.35	3.03	-
4.00	-	9.59	7.96	6.82	5.89	5.15	4.56	4.07	3.66	3.30	3.00	2.72
3.00	-	-	7.49	6.46	5.62	4.95	4.40	3.95	3.56	3.23	2.94	2.69
2.00	-	-	-	6.11	5.36	4.75	4.25	3.83	3.47	3.15	2.88	2.64
1.00	-	-	4.35a	5.89	5.17	4.60	4.12	3.72	3.38	3.08	2.83	2.60
0.00	-	3.68a	5.97a	5.80	5.07	4.50	4.03	3.64	3.31	3.03	2.78	2.57
-1.00	4.04a	6.02a	6.75	5.83	5.07	4.47	4.00	3.61	3.28	3.00	2.76	2.51a
-2.00	7.12a	8.20	6.93	5.87	5.09	4.49	4.01	3.61	3.29	3.02	2.76	-
-3.00	9.70a	8.38	6.96	5.93	5.16	4.55	4.06	3.66	3.33	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
 NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AL	Hitch	CANT	+/- 10° Over Osc End		90%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	4.87	4.30	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.89	4.36	3.81	3.32	-	-
5.00	-	-	-	-	6.12b	5.64	4.90	4.33	3.76	3.30	2.90	-
4.00	-	10.00c	8.63b	7.52b	6.57	5.65	4.84	4.19	3.66	3.22	2.85	2.52
3.00	-	-	9.40	7.61	6.31	5.34	4.60	4.01	3.52	3.12	2.77	2.46
2.00	-	-	-	7.01	5.88	5.02	4.35	3.82	3.37	3.00	2.69	2.39
1.00	-	-	4.35a	6.63	5.57	4.77	4.15	3.65	3.24	2.90	2.60	2.32
0.00	-	3.68a	5.97a	6.47	5.40	4.61	4.01	3.54	3.14	2.82	2.53	2.26
-1.00	4.04a	6.02a	8.03	6.53	5.39	4.58	3.96	3.48	3.09	2.77	2.50	2.24
-2.00	7.12a	8.69a	8.31b	6.60	5.43	4.60	3.98	3.49	3.11	2.80	2.50	-
-3.00	9.70a	9.19b	8.20	6.61	5.51	4.69	4.06	3.57	3.17	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3BL	Hitch	CANT	+/- 10° - +/- 45° Over Osc End		90%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	4.38	3.80	3.33	-	-	-	-	-
7.00	-	-	-	-	-	3.79	3.34	2.91	2.47	-	-	-
6.00	-	-	-	-	-	3.82	3.36	2.91	2.48	2.08	-	-
5.00	-	-	-	-	4.49	3.86	3.32	2.85	2.42	2.07	1.74	-
4.00	-	8.25	6.42	5.31	4.38	3.68	3.14	2.71	2.32	1.98	1.69	1.43
3.00	-	-	5.68	4.73	3.97	3.39	2.92	2.53	2.17	1.87	1.61	1.38
2.00	-	-	-	4.19	3.58	3.09	2.69	2.33	2.02	1.75	1.52	1.31
1.00	-	-	4.35a	3.85	3.30	2.86	2.50	2.16	1.88	1.64	1.43	1.24
0.00	-	3.68a	4.48	3.71	3.14	2.71	2.35	2.04	1.78	1.56	1.36	1.19
-1.00	4.04a	5.82	4.61	3.75	3.13	2.68	2.30	1.98	1.72	1.51	1.33	1.17
-2.00	7.12a	6.26	4.77	3.82	3.17	2.70	2.31	2.00	1.75	1.54	1.33	-
-3.00	8.81	6.44	4.93	3.95	3.28	2.78	2.41	2.11	1.81	-	-	-
-4.00	7.46b	6.35b	4.97	4.07	3.41	2.91	2.52	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3CL	Hitch	CANT	+/- 45° - +/- 135°		90%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	3.95	3.41	3.01	-	-	-	-	-
7.00	-	-	-	-	-	3.40	2.99	2.58	2.13	-	-	-
6.00	-	-	-	-	-	3.43	3.00	2.58	2.14	1.77	-	-
5.00	-	-	-	-	4.06	3.47	2.96	2.51	2.08	1.75	1.44	-
4.00	-	7.67	5.89	4.84	3.95	3.29	2.78	2.35	1.98	1.66	1.40	1.16
3.00	-	-	5.11	4.23	3.53	2.99	2.55	2.16	1.83	1.55	1.31	1.10
2.00	-	-	-	3.68	3.13	2.68	2.29	1.96	1.67	1.43	1.22	1.03
1.00	-	-	3.98	3.33	2.83	2.43	2.08	1.78	1.53	1.32	1.13	0.96
0.00	-	3.68a	3.90	3.18	2.67	2.27	1.93	1.66	1.43	1.23	1.06	0.91
-1.00	4.04a	5.11	4.00	3.22	2.67	2.23	1.88	1.60	1.37	1.18	1.02	0.89
-2.00	7.12a	5.57	4.17	3.29	2.70	2.25	1.89	1.61	1.40	1.22	1.03	-
-3.00	8.19	5.76	4.34	3.43	2.81	2.35	2.00	1.73	1.46	-	-	-
-4.00	7.46b	5.75b	4.45	3.61	2.99	2.53	2.10	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DL	Hitch	CANT	+/- 135° - +/- 150° Over Fixed End		75%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.04b	4.45	3.91a	3.30a	-	-	-
6.00	-	-	-	-	-	5.07b	4.47	3.92	3.43	3.01	-	-
5.00	-	-	-	-	5.86	5.03b	4.43	3.87	3.39	3.00	2.66	-
4.00	-	10.00c	8.32	6.94	5.82	4.95	4.28	3.75	3.31	2.94	2.62	2.34
3.00	-	-	7.81	6.48	5.47	4.70	4.09	3.60	3.20	2.85	2.56	2.30
2.00	-	-	-	6.02	5.14	4.45	3.90	3.45	3.08	2.76	2.49	2.25
1.00	-	-	4.35a	5.74	4.90	4.25	3.74	3.32	2.97	2.67	2.42	2.19
0.00	-	3.68a	5.97a	5.61	4.76	4.13	3.63	3.23	2.89	2.61	2.36	2.15
-1.00	4.04a	6.02a	6.79	5.65	4.76	4.10	3.59	3.18	2.85	2.57	2.34	2.14
-2.00	7.12a	8.69a	7.04	5.71	4.79	4.12	3.60	3.19	2.87	2.60	2.34	-
-3.00	9.70a	8.95b	7.07b	5.80	4.88	4.19	3.68	3.27	2.91	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.84	4.17	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
 NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EL	Hitch	CANT	+/- 150° - +/- 160° Over Fixed End		75%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	4.83b	4.30	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.85b	4.35	3.86	3.41	-	-
5.00	-	-	-	-	6.12b	5.53	4.85	4.33	3.82	3.40	3.02	-
4.00	-	10.00c	8.63b	7.41	6.39b	5.53	4.80	4.22	3.74	3.33	2.99	2.69
3.00	-	-	8.67	7.22	6.12	5.28	4.61	4.07	3.62	3.25	2.93	2.64
2.00	-	-	-	6.77	5.79	5.03	4.42	3.92	3.51	3.16	2.85	2.59
1.00	-	-	4.35a	6.48	5.55	4.83	4.26	3.79	3.40	3.07	2.79	2.54
0.00	-	3.68a	5.97a	6.36	5.42	4.71	4.15	3.70	3.32	3.01	2.73	2.50
-1.00	4.04a	6.02a	7.67	6.40	5.42	4.68	4.11	3.65	3.28	2.97	2.71	2.48
-2.00	7.12a	8.69a	7.93	6.46	5.45	4.70	4.12	3.66	3.30	3.00	2.71	-
-3.00	9.70a	9.19b	7.86	6.46	5.51	4.76	4.18	3.71	3.34	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FL	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		75%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	5.75b	4.74a	3.51a	-	-	-	-	-
7.00	-	-	-	-	-	5.11b	5.08b	4.53a	3.30a	-	-	-
6.00	-	-	-	-	-	5.15b	4.97b	4.81b	4.48	3.81a	-	-
5.00	-	-	-	-	6.12b	5.65b	5.26b	4.98	4.48b	4.08	3.64	-
4.00	-	10.00c	8.63b	7.52b	7.15b	6.31b	5.59b	5.00	4.48	4.02	3.62	3.27
3.00	-	-	10.00c	8.50	7.29	6.31	5.53	4.89	4.37	3.93	3.56	3.23
2.00	-	-	-	8.15a	6.98	6.06	5.33	4.74	4.25	3.84	3.48	3.17
1.00	-	-	4.35a	7.83	6.74	5.87	5.18	4.61	4.15	3.75	3.42	3.12
0.00	-	3.68a	5.97a	7.73	6.61	5.74	5.07	4.52	4.07	3.69	3.36	3.08
-1.00	4.04a	6.02a	8.26a	7.74	6.60	5.71	5.03	4.48	4.03	3.65	3.34	2.51a
-2.00	7.12a	8.69a	9.37	7.81	6.63	5.73	5.04	4.49	4.04	3.67	2.88a	-
-3.00	9.70a	9.19b	8.22b	7.34b	6.56b	5.71	5.03	4.49	4.02	-	-	-
-4.00	7.46b	6.64b	6.07b	5.47b	4.85b	4.23b	3.61b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
 NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
4AU	Hitch	SUPER CANT	+/- 180°		67%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	1.86	1.63	1.46	-	-	-	-	-
7.00	-	-	-	-	1.62	1.44	1.24	1.02	-	-	-	-
6.00	-	-	-	-	1.65	1.45	1.24	1.03	0.84	-	-	-
5.00	-	-	-	-	1.94	1.67	1.42	1.19	0.99	0.83	0.67	-
4.00	-	3.33	2.67	2.26	1.86	1.55	1.30	1.09	0.92	0.77	0.64	0.52
3.00	-	-	2.16	1.85	1.57	1.33	1.13	0.97	0.82	0.70	0.59	0.47
2.00	-	-	-	1.48	1.29	1.12	0.97	0.84	0.72	0.62	0.52	0.40
1.00	-	-	1.42	1.25	1.09	0.96	0.84	0.73	0.63	0.54	0.45	0.34
0.00	-	1.71	1.37	1.15	0.98	0.85	0.74	0.65	0.56	0.49	0.38	0.29
-1.00	2.41	1.78	1.43	1.18	0.98	0.83	0.71	0.61	0.53	0.45	0.35	0.27
-2.00	2.62	2.02	1.54	1.22	1.01	0.84	0.72	0.62	0.54	0.48	0.35	-
-3.00	2.97	2.14	1.65	1.32	1.08	0.90	0.78	0.69	0.58	-	-	-
-4.00	3.20b	2.36	1.83	1.48	1.28	1.05	0.85	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
4AL	Hitch	SUPER CANT	+/- 180°		75%	

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
10.00	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	2.39	2.11	1.91	-	-	-	-	-
7.00	-	-	-	-	2.11	1.89	1.65	1.39	-	-	-	-
6.00	-	-	-	-	2.13	1.90	1.65	1.40	1.18	-	-	-
5.00	-	-	-	-	2.47	2.16	1.87	1.60	1.36	1.17	0.99	-
4.00	-	4.01	3.30	2.84	2.39	2.03	1.74	1.50	1.29	1.11	0.96	0.81
3.00	-	-	2.79	2.43	2.09	1.81	1.57	1.37	1.19	1.03	0.90	0.76
2.00	-	-	-	2.05	1.81	1.59	1.40	1.23	1.08	0.95	0.83	0.70
1.00	-	-	2.04	1.81	1.60	1.42	1.26	1.11	0.99	0.87	0.76	0.64
0.00	-	2.42	1.99	1.71	1.49	1.31	1.16	1.03	0.91	0.81	0.70	0.59
-1.00	3.20	2.49	2.06	1.74	1.48	1.28	1.12	0.99	0.88	0.78	0.67	0.57
-2.00	3.40	2.72	2.17	1.78	1.51	1.30	1.13	1.00	0.89	0.80	0.67	-
-3.00	3.74	2.84	2.28	1.88	1.58	1.36	1.20	1.08	0.94	-	-	-
-4.00	3.91	3.06	2.46	2.05	1.78	1.51	1.27	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
 NOTES 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. Loads marked 'b' boom, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).