

# ROADRAILER

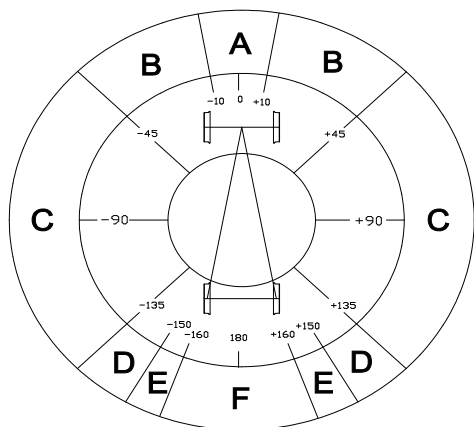
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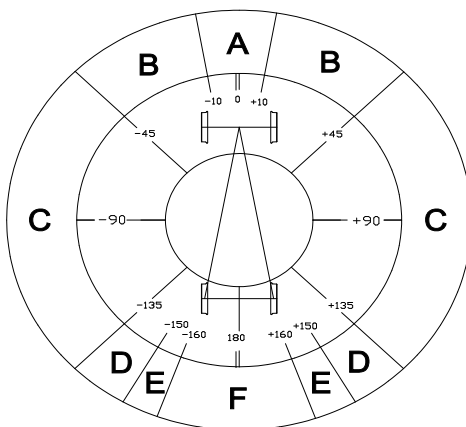
TEL:01823 433398

Oscillating Axle



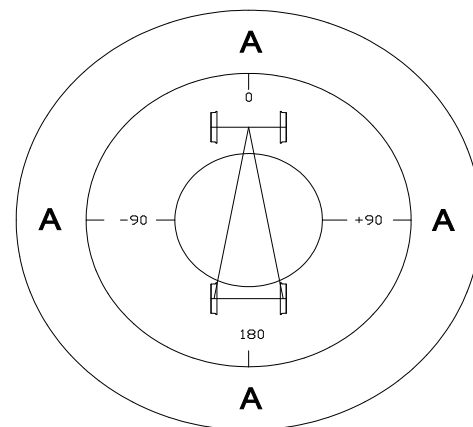
Fixed Axle  
Road Duties

Oscillating Axle



Fixed Axle  
Rail Duties  
Level Rail 0-50 mm  
Canted Rail 50-150mm

Oscillating Axle



Fixed Axle  
Rail Duties  
Maximum Cant + Twist  
150 + 27 mm

Machine fitted with permanently attached Quick Hitch

Standard Quick Hitch Lifting Eye Charts

Machine Type:	Komatsu PW160	
Serial Number:	K40300	
Rail Axle Number:	2071	
Network Rail Number:	99709 940082-9	
Equipment:	Boom 5.15m Arm 2.1m	
Date:	01st April 2016	
Issue:	2	
Software Versions:		
	Safety Controller	V1.25.10.3
	I/O Controller 1	V1.25.10.3
	I/O Controller 2	V1.25.10.3
	MMI	V1.25.10.3



This machine is equipped with a PME Rated Capacity Indicator. This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 5

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. 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 on the following pages show both the upper & lower limits of the loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity.

All rail duties listed are valid for use on and up to a 1:25 gradient, and with a maximum track twist of 27mm.



Machine Type	PW160 Basic Mono	Equipment	5.15m + 2.10m
Issue Date	06/04/2016	Reference	2071
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	-	-	-	-	4.46	3.89	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	3.88	3.44	3.03	2.61	-	-	-
6.00	-	-	-	-	-	3.89	3.45	3.05	2.66	2.32	-	-
5.00	-	-	-	-	4.50	3.91	3.45	3.00	2.62	2.31	2.03	-
4.00	6.99k	7.31k	6.30	5.29	4.50	3.84	3.31	2.89	2.55	2.25	1.99	1.77
3.00	-	-	5.92	4.92	4.18	3.60	3.13	2.75	2.43	2.17	1.94	1.73
2.00	-	-	5.07a	4.46	3.83	3.34	2.94	2.60	2.32	2.08	1.86	1.68
1.00	-	-	4.46a	4.13	3.57	3.13	2.77	2.46	2.21	1.99	1.79	1.63
0.00	-	-	4.75	3.97	3.41	2.98	2.64	2.36	2.12	1.92	1.74	1.58
-1.00	-	5.61a	4.76	3.98	3.37	2.92	2.57	2.29	2.06	1.87	1.70	1.56
-2.00	6.34a	6.11a	4.93	4.04	3.41	2.94	2.58	2.30	2.08	1.89	1.72	-
-3.00	8.63b	6.47	5.06	4.12	3.48	3.01	2.66	2.39	2.14	1.90	-	-
-4.00	8.17b	6.42	5.11	4.25	3.61	3.13	2.75	2.41	-	-	-	-
-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	-	-	-	-	2.69	2.34	2.01	-	-	-	-	-
7.00	-	-	-	-	-	2.33	2.07	1.79	1.48	-	-	-
6.00	-	-	-	-	-	2.34	2.07	1.81	1.53	1.29	-	-
5.00	-	-	-	-	2.73	2.36	2.07	1.76	1.50	1.27	1.07	-
4.00	6.52	4.83	3.82	3.23	2.73	2.29	1.93	1.65	1.42	1.22	1.04	0.88
3.00	-	-	3.44	2.86	2.41	2.05	1.75	1.51	1.31	1.13	0.99	0.85
2.00	-	-	2.65	2.39	2.06	1.79	1.56	1.36	1.19	1.04	0.91	0.79
1.00	-	-	2.37	2.07	1.80	1.58	1.39	1.22	1.08	0.95	0.84	0.74
0.00	-	-	2.28	1.91	1.64	1.43	1.26	1.12	0.99	0.88	0.78	0.70
-1.00	-	2.91	2.29	1.91	1.60	1.37	1.19	1.05	0.94	0.84	0.75	0.68
-2.00	4.22	3.12	2.45	1.97	1.63	1.39	1.21	1.06	0.95	0.86	0.77	-
-3.00	4.69	3.37	2.58	2.06	1.71	1.46	1.28	1.16	1.01	0.87	-	-
-4.00	4.87b	3.60	2.79	2.26	1.92	1.66	1.40	1.17	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	3.10	2.70	2.34	-	-	-	-	-
7.00	-	-	-	-	-	2.69	2.39	2.08	1.75	-	-	-
6.00	-	-	-	-	-	2.71	2.39	2.10	1.79	1.53	-	-
5.00	-	-	-	-	3.14	2.73	2.39	2.04	1.76	1.51	1.30	-
4.00	6.99k	5.55	4.40	3.71	3.14	2.65	2.26	1.94	1.68	1.46	1.26	1.09
3.00	-	-	4.02	3.34	2.82	2.41	2.07	1.80	1.57	1.37	1.21	1.05
2.00	-	-	3.22	2.87	2.48	2.15	1.88	1.65	1.45	1.28	1.13	1.00
1.00	-	-	2.95	2.55	2.21	1.94	1.71	1.51	1.34	1.20	1.06	0.95
0.00	-	-	2.85	2.39	2.06	1.80	1.58	1.41	1.26	1.12	1.01	0.90
-1.00	-	3.63	2.86	2.40	2.01	1.73	1.51	1.34	1.20	1.08	0.97	0.88
-2.00	5.15	3.84	3.03	2.46	2.05	1.75	1.53	1.35	1.21	1.10	0.99	-
-3.00	5.65	4.10	3.16	2.54	2.13	1.82	1.60	1.44	1.27	1.11	-	-
-4.00	5.73b	4.28	3.36	2.74	2.33	2.02	1.72	1.46	-	-	-	-
-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	-	-	-	-	5.36a	4.32a	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	5.40b	5.20b	4.26a	2.82a	-	-	-
6.00	-	-	-	-	-	5.27b	5.08b	4.70b	4.23	3.59a	-	-
5.00	-	-	-	-	6.05b	5.60b	5.28	4.71b	4.25	3.77	3.36	-
4.00	6.99k	7.31k	8.17b	7.16b	6.98	6.03	5.28	4.70	4.17	3.71	3.33	2.99
3.00	-	-	9.97b	8.17	6.95	5.96	5.17	4.56	4.05	3.62	3.27	2.95
2.00	-	-	5.07a	7.79	6.59	5.69	4.97	4.40	3.93	3.53	3.19	2.90
1.00	-	-	4.46a	7.42	6.31	5.46	4.79	4.25	3.81	3.44	3.12	2.84
0.00	-	-	5.68a	7.24	6.14	5.30	4.66	4.14	3.72	3.36	3.06	2.80
-1.00	-	5.61a	7.63a	7.21	6.09	5.23	4.58	4.07	3.66	3.31	3.02	2.78
-2.00	6.34a	8.16a	8.89	7.34	6.13	5.26	4.60	4.08	3.67	3.34	3.04	-
-3.00	9.04a	9.60b	8.53b	7.30	6.15	5.30	4.64	4.13	3.70	3.34	-	-
-4.00	8.17b	7.45b	6.71b	6.00b	5.45b	4.78b	4.24b	3.48b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	5.36a	4.32a	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	5.40b	5.20b	4.26a	2.82a	-	-	-
6.00	-	-	-	-	-	5.27b	5.08b	4.70b	4.23	3.59a	-	-
5.00	-	-	-	-	6.05b	5.60b	5.28	4.71b	4.25	3.77	3.36	-
4.00	6.99k	7.31k	8.17b	7.16b	6.98	6.03	5.28	4.70	4.17	3.71	3.33	2.99
3.00	-	-	9.97b	8.17	6.95	5.96	5.17	4.56	4.05	3.62	3.27	2.95
2.00	-	-	5.07a	7.79	6.59	5.69	4.97	4.40	3.93	3.53	3.19	2.90
1.00	-	-	4.46a	7.42	6.31	5.46	4.79	4.25	3.81	3.44	3.12	2.84
0.00	-	-	5.68a	7.24	6.14	5.30	4.66	4.14	3.72	3.36	3.06	2.80
-1.00	-	5.61a	7.63a	7.21	6.09	5.23	4.58	4.07	3.66	3.31	3.02	2.78
-2.00	6.34a	8.16a	8.89	7.34	6.13	5.26	4.60	4.08	3.67	3.34	3.04	-
-3.00	9.04a	9.60b	8.53b	7.30	6.15	5.30	4.64	4.13	3.70	3.34	-	-
-4.00	8.17b	7.45b	6.71b	6.00b	5.45b	4.78b	4.24b	3.48b	-	-	-	-
-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	-	-	-	-	5.36a	4.32a	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	5.40b	5.20b	4.26a	2.82a	-	-	-
6.00	-	-	-	-	-	5.27b	5.08b	4.70b	4.23	3.59a	-	-
5.00	-	-	-	-	6.05b	5.60b	5.28	4.71b	4.25	3.77	3.36	-
4.00	6.99k	7.31k	8.17b	7.16b	6.98	6.03	5.28	4.70	4.17	3.71	3.33	2.99
3.00	-	-	9.97b	8.17	6.95	5.96	5.17	4.56	4.05	3.62	3.27	2.95
2.00	-	-	5.07a	7.79	6.59	5.69	4.97	4.40	3.93	3.53	3.19	2.90
1.00	-	-	4.46a	7.42	6.31	5.46	4.79	4.25	3.81	3.44	3.12	2.84
0.00	-	-	5.68a	7.24	6.14	5.30	4.66	4.14	3.72	3.36	3.06	2.80
-1.00	-	5.61a	7.63a	7.21	6.09	5.23	4.58	4.07	3.66	3.31	3.02	2.78
-2.00	6.34a	8.16a	8.89	7.34	6.13	5.26	4.60	4.08	3.67	3.34	3.04	-
-3.00	9.04a	9.60b	8.53b	7.30	6.15	5.30	4.64	4.13	3.70	3.34	-	-
-4.00	8.17b	7.45b	6.71b	6.00b	5.45b	4.78b	4.24b	3.48b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	5.15	4.32a	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	4.43	3.89	3.41	2.82a	-	-	-
6.00	-	-	-	-	-	4.44	3.90	3.43	2.98	2.59	-	-
5.00	-	-	-	-	5.19	4.46	3.90	3.37	2.94	2.58	2.27	-
4.00	6.99k	7.31k	7.55	6.20	5.19	4.38	3.75	3.26	2.86	2.52	2.23	1.98
3.00	-	-	7.12	5.79	4.85	4.12	3.56	3.11	2.74	2.43	2.17	1.94
2.00	-	-	5.07a	5.28	4.47	3.85	3.35	2.95	2.62	2.34	2.10	1.88
1.00	-	-	4.46a	4.93	4.19	3.62	3.17	2.81	2.50	2.25	2.02	1.83
0.00	-	-	5.68a	4.75	4.01	3.47	3.04	2.70	2.41	2.17	1.96	1.78
-1.00	-	5.61a	5.79	4.76	3.97	3.40	2.97	2.63	2.35	2.12	1.93	1.76
-2.00	6.34a	7.65	6.01	4.82	4.00	3.42	2.98	2.64	2.37	2.15	1.94	-
-3.00	9.04a	7.98	6.16	4.92	4.09	3.49	3.06	2.74	2.43	2.16	-	-
-4.00	8.17b	7.45b	6.11	4.97	4.18	3.58	3.11	2.75	-	-	-	-
-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	-	-	-	-	5.05	4.32	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	4.31	3.76	3.27	2.76	-	-	-
6.00	-	-	-	-	-	4.32	3.77	3.29	2.83	2.45	-	-
5.00	-	-	-	-	5.10	4.34	3.77	3.23	2.80	2.43	2.12	-
4.00	6.99k	7.31k	7.65	6.17	5.09	4.26	3.61	3.11	2.71	2.38	2.09	1.84
3.00	-	-	7.18	5.73	4.73	3.99	3.41	2.96	2.59	2.28	2.03	1.80
2.00	-	-	5.07a	5.19	4.34	3.70	3.20	2.79	2.46	2.19	1.95	1.74
1.00	-	-	4.46a	4.81	4.03	3.46	3.01	2.64	2.34	2.09	1.87	1.69
0.00	-	-	5.68a	4.62	3.85	3.30	2.87	2.53	2.25	2.01	1.81	1.64
-1.00	-	5.61a	5.74	4.62	3.80	3.22	2.79	2.46	2.19	1.96	1.77	1.62
-2.00	6.34a	7.82	5.98	4.70	3.84	3.25	2.81	2.46	2.20	1.99	1.79	-
-3.00	9.04a	8.16	6.14	4.80	3.93	3.32	2.89	2.57	2.27	2.00	-	-
-4.00	8.17b	7.45b	6.08	4.88	4.03	3.43	2.97	2.59	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	4.98	4.26	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	4.24	3.70	3.22	2.72	-	-	-
6.00	-	-	-	-	-	4.26	3.71	3.24	2.79	2.41	-	-
5.00	-	-	-	-	5.03	4.28	3.71	3.18	2.75	2.39	2.09	-
4.00	6.99k	7.31k	7.54	6.08	5.02	4.19	3.56	3.06	2.67	2.34	2.05	1.80
3.00	-	-	7.08	5.65	4.66	3.92	3.35	2.91	2.55	2.24	1.99	1.77
2.00	-	-	5.07a	5.10	4.26	3.64	3.14	2.74	2.42	2.15	1.91	1.71
1.00	-	-	4.46a	4.72	3.96	3.39	2.95	2.59	2.30	2.05	1.84	1.65
0.00	-	-	5.63	4.53	3.78	3.23	2.81	2.48	2.20	1.97	1.78	1.60
-1.00	-	5.61a	5.63	4.54	3.73	3.16	2.74	2.41	2.14	1.92	1.74	1.58
-2.00	6.34a	7.68	5.87	4.61	3.77	3.19	2.75	2.42	2.16	1.95	1.76	-
-3.00	9.04a	8.05	6.03	4.71	3.86	3.26	2.83	2.52	2.22	1.96	-	-
-4.00	8.17b	7.45b	6.00	4.79	3.97	3.37	2.93	2.54	-	-	-	-
-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	-	-	-	-	5.36a	4.32a	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	5.40b	5.20b	4.26a	2.82a	-	-	-
6.00	-	-	-	-	-	5.27b	5.08b	4.70b	4.23	3.59a	-	-
5.00	-	-	-	-	6.05b	5.60b	5.28	4.71b	4.25	3.77	3.36	-
4.00	6.99k	7.31k	8.17b	7.16b	6.98	6.03	5.28	4.70	4.17	3.71	3.33	2.99
3.00	-	-	9.97b	8.17	6.95	5.96	5.17	4.56	4.05	3.62	3.27	2.95
2.00	-	-	5.07a	7.79	6.59	5.69	4.97	4.40	3.93	3.53	3.19	2.90
1.00	-	-	4.46a	7.42	6.31	5.46	4.79	4.25	3.81	3.44	3.12	2.84
0.00	-	-	5.68a	7.24	6.14	5.30	4.66	4.14	3.72	3.36	3.06	2.80
-1.00	-	5.61a	7.63a	7.21	6.09	5.23	4.58	4.07	3.66	3.31	3.02	2.78
-2.00	6.34a	8.16a	8.89	7.34	6.13	5.26	4.60	4.08	3.67	3.34	3.04	-
-3.00	9.04a	9.60b	8.53b	7.30	6.15	5.30	4.64	4.13	3.70	3.34	-	-
-4.00	8.17b	7.45b	6.71b	6.00b	5.45b	4.78b	4.24b	3.48b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	5.36a	4.32a	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	5.40b	5.20b	4.26a	2.82a	-	-	-
6.00	-	-	-	-	-	5.27b	5.08b	4.70b	4.23	3.59a	-	-
5.00	-	-	-	-	6.05b	5.60b	5.28	4.71b	4.25	3.77	3.36	-
4.00	6.99k	7.31k	8.17b	7.16b	6.98	6.03	5.28	4.70	4.17	3.71	3.33	2.99
3.00	-	-	9.97b	8.17	6.95	5.96	5.17	4.56	4.05	3.62	3.27	2.95
2.00	-	-	5.07a	7.79	6.59	5.69	4.97	4.40	3.93	3.53	3.19	2.90
1.00	-	-	4.46a	7.42	6.31	5.46	4.79	4.25	3.81	3.44	3.12	2.84
0.00	-	-	5.68a	7.24	6.14	5.30	4.66	4.14	3.72	3.36	3.06	2.80
-1.00	-	5.61a	7.63a	7.21	6.09	5.23	4.58	4.07	3.66	3.31	3.02	2.78
-2.00	6.34a	8.16a	8.89	7.34	6.13	5.26	4.60	4.08	3.67	3.34	3.04	-
-3.00	9.04a	9.60b	8.53b	7.30	6.15	5.30	4.64	4.13	3.70	3.34	-	-
-4.00	8.17b	7.45b	6.71b	6.00b	5.45b	4.78b	4.24b	3.48b	-	-	-	-
-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	-	-	-	-	5.36a	4.32a	2.69a	-	-	-	-	-
7.00	-	-	-	-	-	5.40b	5.20b	4.26a	2.82a	-	-	-
6.00	-	-	-	-	-	5.27b	5.08b	4.70b	4.23	3.59a	-	-
5.00	-	-	-	-	6.05b	5.60b	5.28	4.71b	4.25	3.77	3.36	-
4.00	6.99k	7.31k	8.17b	7.16b	6.98	6.03	5.28	4.70	4.17	3.71	3.33	2.99
3.00	-	-	9.97b	8.17	6.95	5.96	5.17	4.56	4.05	3.62	3.27	2.95
2.00	-	-	5.07a	7.79	6.59	5.69	4.97	4.40	3.93	3.53	3.19	2.90
1.00	-	-	4.46a	7.42	6.31	5.46	4.79	4.25	3.81	3.44	3.12	2.84
0.00	-	-	5.68a	7.24	6.14	5.30	4.66	4.14	3.72	3.36	3.06	2.80
-1.00	-	5.61a	7.63a	7.21	6.09	5.23	4.58	4.07	3.66	3.31	3.02	2.78
-2.00	6.34a	8.16a	8.89	7.34	6.13	5.26	4.60	4.08	3.67	3.34	3.04	-
-3.00	9.04a	9.60b	8.53b	7.30	6.15	5.30	4.64	4.13	3.70	3.34	-	-
-4.00	8.17b	7.45b	6.71b	6.00b	5.45b	4.78b	4.24b	3.48b	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	4.47	3.89	3.47	-	-	-	-	-
7.00	-	-	-	-	-	3.91	3.48	3.09	2.68	-	-	-
6.00	-	-	-	-	-	3.93	3.49	3.09	2.71	2.38	2.07	-
5.00	-	-	-	5.28	4.52	3.94	3.47	3.02	2.66	2.35	2.09	1.84
4.00	-	7.79	6.26	5.27	4.46	3.83	3.32	2.92	2.58	2.30	2.05	1.84
3.00	-	-	5.74	4.85	4.15	3.59	3.15	2.79	2.48	2.22	1.99	1.79
2.00	-	-	-	4.41	3.84	3.36	2.97	2.64	2.37	2.13	1.92	1.74
1.00	-	-	4.57a	4.17	3.61	3.17	2.82	2.52	2.27	2.05	1.86	1.69
0.00	-	3.77a	4.81	4.04	3.48	3.06	2.71	2.43	2.19	1.99	1.81	1.66
-1.00	4.17a	5.91a	4.86	4.08	3.47	3.02	2.67	2.38	2.15	1.95	1.79	1.64
-2.00	7.44a	6.31	5.02	4.13	3.51	3.05	2.69	2.40	2.19	1.98	1.80	-
-3.00	8.47	6.45	5.12	4.24	3.60	3.12	2.78	2.49	2.22	-	-	-
-4.00	7.74b	6.39	5.15	4.29	3.67	3.20	2.82	-	-	-	-	-
-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	-	-	-	-	2.66	2.30	2.06	-	-	-	-	-
7.00	-	-	-	-	-	2.31	2.05	1.80	1.50	-	-	-
6.00	-	-	-	-	-	2.33	2.06	1.80	1.52	1.29	1.06	-
5.00	-	-	-	3.20	2.71	2.34	2.04	1.73	1.48	1.26	1.08	0.88
4.00	-	4.79	3.80	3.18	2.65	2.23	1.89	1.62	1.39	1.21	1.04	0.88
3.00	-	-	3.27	2.76	2.33	1.99	1.71	1.49	1.29	1.13	0.98	0.82
2.00	-	-	-	2.30	2.01	1.75	1.53	1.34	1.18	1.04	0.91	0.74
1.00	-	-	2.38	2.05	1.78	1.56	1.38	1.22	1.08	0.95	0.82	0.67
0.00	-	2.92	2.31	1.92	1.65	1.44	1.27	1.12	1.00	0.89	0.75	0.62
-1.00	4.10	2.98	2.35	1.96	1.64	1.40	1.22	1.07	0.95	0.84	0.72	0.60
-2.00	4.32	3.25	2.51	2.01	1.68	1.43	1.24	1.09	0.99	0.89	0.73	-
-3.00	4.80	3.42	2.62	2.13	1.77	1.51	1.33	1.19	1.03	-	-	-
-4.00	4.85b	3.63	2.87	2.33	1.98	1.67	1.41	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-





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	-	-	-	-	2.32	2.01	1.82	-	-	-	-	-
7.00	-	-	-	-	-	2.03	1.81	1.58	1.31	-	-	-
6.00	-	-	-	-	-	2.04	1.81	1.58	1.34	1.12	0.90	-
5.00	-	-	-	2.78	2.37	2.06	1.79	1.52	1.29	1.09	0.93	0.68
4.00	-	4.07	3.27	2.77	2.31	1.95	1.65	1.42	1.21	1.04	0.87	0.68
3.00	-	-	2.76	2.36	2.00	1.71	1.48	1.28	1.11	0.96	0.79	0.62
2.00	-	-	-	1.92	1.70	1.49	1.30	1.14	1.00	0.86	0.69	0.55
1.00	-	-	1.92	1.68	1.48	1.30	1.15	1.02	0.90	0.74	0.60	0.47
0.00	-	2.31	1.85	1.56	1.35	1.18	1.05	0.93	0.80	0.66	0.53	0.42
-1.00	3.22	2.37	1.90	1.60	1.34	1.14	1.00	0.88	0.73	0.61	0.50	0.40
-2.00	3.40	2.62	2.05	1.64	1.37	1.17	1.02	0.90	0.79	0.65	0.51	-
-3.00	3.84	2.78	2.15	1.76	1.46	1.25	1.11	0.99	0.84	-	-	-
-4.00	3.98b	3.03b	2.38	1.95	1.68	1.41	1.19	-	-	-	-	-
-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	-	-	-	-	3.83	3.34	3.00	-	-	-	-	-
7.00	-	-	-	-	-	3.36	2.99	2.65	2.28	-	-	-
6.00	-	-	-	-	-	3.37	3.00	2.65	2.31	2.02	1.74	-
5.00	-	-	-	4.53	3.88	3.39	2.98	2.59	2.27	1.99	1.76	1.53
4.00	-	6.63	5.34	4.52	3.82	3.27	2.83	2.48	2.18	1.94	1.72	1.53
3.00	-	-	4.84	4.11	3.51	3.04	2.66	2.35	2.08	1.86	1.66	1.49
2.00	-	-	-	3.67	3.21	2.81	2.48	2.21	1.97	1.77	1.59	1.44
1.00	-	-	3.99	3.43	2.99	2.63	2.33	2.09	1.87	1.69	1.53	1.39
0.00	-	3.77a	3.93	3.31	2.86	2.51	2.23	2.00	1.80	1.63	1.48	1.35
-1.00	4.17a	4.90	3.97	3.34	2.84	2.47	2.18	1.95	1.76	1.59	1.46	1.34
-2.00	6.60	5.18	4.12	3.39	2.88	2.50	2.20	1.97	1.79	1.63	1.47	-
-3.00	7.05	5.34	4.23	3.50	2.97	2.58	2.29	2.06	1.83	-	-	-
-4.00	6.99	5.35	4.33b	3.61b	3.09	2.69	2.37	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	5.38	4.76	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	4.77	4.29	3.85a	3.38	-	-	-
6.00	-	-	-	-	-	4.79	4.30	3.86	3.43	3.07	2.14a	-
5.00	-	-	-	6.23	5.43	4.76	4.28	3.79	3.39	3.04	2.75	2.13a
4.00	-	8.71	7.23	6.22	5.37	4.70	4.14	3.70	3.31	3.00	2.71	2.46
3.00	-	-	6.78	5.85	5.09	4.48	3.98	3.57	3.22	2.92	2.65	2.42
2.00	-	-	-	5.45	4.81	4.27	3.81	3.44	3.11	2.83	2.59	2.37
1.00	-	-	4.57a	5.23	4.60	4.09	3.68	3.32	3.02	2.76	2.53	2.33
0.00	-	3.77a	5.95	5.12	4.48	3.98	3.58	3.24	2.95	2.70	2.48	2.29
-1.00	4.17a	5.91a	5.95	5.15	4.47	3.95	3.53	3.19	2.91	2.67	2.46	2.28
-2.00	7.44a	7.29a	6.14	5.19	4.51	3.97	3.55	3.21	2.94	2.70	2.47	-
-3.00	9.26	7.49	6.21	5.29	4.59	4.05	3.64	3.28	2.98	-	-	-
-4.00	7.74b	6.86b	6.16	5.26b	4.58	4.06	3.63	-	-	-	-	-
-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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	5.04	4.52	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	5.05	4.52	4.08	3.62	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.74	5.07	4.54b	4.05	3.61	3.24	2.13a
4.00	-	10.00	8.54b	7.46b	6.61	5.75	5.05	4.46	3.96	3.55	3.20	2.89
3.00	-	-	9.11	7.58	6.43	5.55	4.87	4.31	3.85	3.47	3.14	2.85
2.00	-	-	-	7.11	6.11	5.31	4.68	4.17	3.74	3.38	3.07	2.80
1.00	-	-	4.57a	6.84	5.87	5.12	4.52	4.04	3.64	3.30	3.00	2.75
0.00	-	3.77a	6.04a	6.72	5.73	4.99	4.41	3.95	3.56	3.23	2.95	2.71
-1.00	4.17a	5.91a	8.09	6.76	5.72	4.95	4.36	3.89	3.51	3.19	2.93	2.70
-2.00	7.44a	8.59k	8.26	6.81	5.76	4.98	4.39	3.92	3.55	3.23	2.94	-
-3.00	9.94k	9.34b	8.17b	6.80	5.79b	5.03	4.43	3.95	3.56	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	5.32b	4.65a	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	5.09b	4.81	4.35	3.86	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.75b	5.36b	4.82	4.36	3.88	3.47	2.13a
4.00	-	10.00	8.54b	7.46b	7.14	6.18	5.42	4.83	4.27	3.82	3.42	3.09
3.00	-	-	10.00	8.37b	7.10	6.09	5.30	4.67	4.15	3.73	3.35	3.04
2.00	-	-	-	7.93	6.74	5.81	5.09	4.51	4.03	3.62	3.27	2.98
1.00	-	-	4.57a	7.59	6.46	5.59	4.91	4.36	3.91	3.53	3.20	2.92
0.00	-	3.77a	6.04a	7.45	6.30	5.44	4.78	4.25	3.82	3.45	3.14	2.88
-1.00	4.17a	5.91a	8.19a	7.51a	6.29	5.40	4.72	4.19	3.77	3.41	3.12	2.86
-2.00	7.44a	8.59k	9.18	7.53	6.33	5.43	4.75	4.22	3.81	3.45	3.12a	-
-3.00	9.94k	9.34b	8.17b	7.31b	6.31b	5.44	4.77	4.24	3.81	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2BL	Hitch	RAIL	+/- 10° - +/- 45° 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	-	-	-	-	4.30	3.67	3.25	-	-	-	-	-
7.00	-	-	-	-	-	3.69	3.24	2.83	2.39	-	-	-
6.00	-	-	-	-	-	3.71	3.24	2.83	2.43	2.09	1.77	-
5.00	-	-	-	5.22	4.36	3.73	3.22	2.75	2.38	2.06	1.79	1.53
4.00	-	8.39	6.39	5.21	4.28	3.59	3.05	2.63	2.28	1.99	1.74	1.53
3.00	-	-	5.72	4.68	3.90	3.30	2.84	2.47	2.15	1.90	1.67	1.48
2.00	-	-	-	4.12	3.51	3.02	2.62	2.30	2.02	1.79	1.59	1.42
1.00	-	-	4.57a	3.81	3.23	2.79	2.44	2.15	1.91	1.70	1.52	1.35
0.00	-	3.77a	4.49	3.65	3.07	2.64	2.31	2.04	1.81	1.62	1.46	1.30
-1.00	4.17a	5.91a	4.57	3.70	3.05	2.59	2.25	1.98	1.76	1.58	1.44	1.28
-2.00	7.44a	6.36	4.77	3.76	3.10	2.63	2.28	2.00	1.81	1.62	1.45	-
-3.00	9.12	6.55	4.91	3.90	3.21	2.73	2.39	2.11	1.85	-	-	-
-4.00	7.74b	6.47	4.94	4.02	3.34	2.85b	2.48	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2CL	Hitch	RAIL	+/- 45° - +/- 135°		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	-	-	-	-	3.65	3.13	2.79	-	-	-	-	-
7.00	-	-	-	-	-	3.15	2.78	2.44	2.05	-	-	-
6.00	-	-	-	-	-	3.17	2.79	2.43	2.08	1.77	1.49	-
5.00	-	-	-	4.41	3.71	3.19	2.76	2.36	2.03	1.75	1.51	1.23
4.00	-	6.86	5.33	4.40	3.64	3.05	2.59	2.24	1.93	1.69	1.46	1.23
3.00	-	-	4.69	3.89	3.27	2.78	2.39	2.08	1.81	1.59	1.39	1.17
2.00	-	-	-	3.36	2.90	2.51	2.18	1.91	1.69	1.49	1.29	1.09
1.00	-	-	3.63	3.07	2.63	2.28	2.00	1.77	1.57	1.40	1.20	1.02
0.00	-	3.77a	3.55	2.92	2.48	2.14	1.88	1.66	1.48	1.31	1.13	0.96
-1.00	4.17a	4.62	3.61	2.96	2.46	2.10	1.82	1.61	1.43	1.25	1.09	0.95
-2.00	6.73	4.99	3.80	3.02	2.50	2.13	1.85	1.63	1.47	1.30	1.10	-
-3.00	7.34	5.20	3.93	3.16	2.61	2.22	1.96	1.73	1.52	-	-	-
-4.00	7.26	5.26	4.08	3.33	2.79	2.38	2.05	-	-	-	-	-
-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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	4.82	4.28	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	4.83b	4.32	3.82	3.36	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.53b	4.85b	4.29	3.77	3.33	2.96	2.13a
4.00	-	10.00	8.54b	7.46b	6.36	5.52b	4.76	4.16	3.67	3.27	2.91	2.61
3.00	-	-	8.92	7.31	6.13	5.24	4.55	4.00	3.54	3.17	2.84	2.57
2.00	-	-	-	6.76	5.75	4.96	4.33	3.83	3.42	3.07	2.76	2.51
1.00	-	-	4.57a	6.44	5.47	4.73	4.16	3.69	3.30	2.97	2.69	2.45
0.00	-	3.77a	6.04a	6.30	5.32	4.59	4.03	3.58	3.21	2.90	2.63	2.40
-1.00	4.17a	5.91a	7.70	6.34	5.30	4.54	3.97	3.52	3.16	2.86	2.61	2.39
-2.00	7.44a	8.59k	7.95	6.41	5.34	4.58	4.00	3.54	3.20	2.89	2.62	-
-3.00	9.94k	9.34b	7.90	6.43	5.41	4.66	4.07	3.61b	3.25	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	5.32b	4.65a	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	5.09b	4.96b	4.51b	3.93a	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.75b	5.36b	5.00	4.52	4.11	3.68	2.13a
4.00	-	10.00	8.54b	7.46b	7.21b	6.34	5.61	4.99b	4.51	4.05	3.64	3.30
3.00	-	-	10.00	8.46	7.27	6.32	5.54	4.91	4.39	3.95	3.58	3.25
2.00	-	-	-	8.10	6.95	6.05	5.33	4.75	4.26	3.85	3.50	3.20
1.00	-	-	4.57a	7.78	6.69	5.84	5.16	4.61	4.15	3.76	3.43	3.14
0.00	-	3.77a	6.04a	7.65	6.54	5.70	5.04	4.50	4.06	3.69	3.37	3.10
-1.00	4.17a	5.91a	8.19a	7.64	6.53	5.65	4.98	4.45	4.01	3.65	3.35	3.08
-2.00	7.44a	8.59k	9.27	7.72	6.57	5.69	5.01	4.47	4.04	3.68	3.35	-
-3.00	9.94k	9.34b	8.17b	7.31b	6.53	5.67	5.01	4.48	4.03	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	5.32b	4.65a	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	5.09b	4.96b	4.53	3.93a	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.75b	5.36b	5.01	4.54	4.12	3.69	2.13a
4.00	-	10.00	8.54b	7.46b	7.21b	6.36	5.61b	4.99	4.52	4.06	3.66	3.31
3.00	-	-	10.00	8.49	7.29	6.34	5.56	4.93	4.40	3.97	3.59	3.27
2.00	-	-	-	8.13	6.98	6.07	5.35	4.77	4.28	3.87	3.51	3.21
1.00	-	-	4.57a	7.81	6.72	5.86	5.18	4.63	4.17	3.77	3.44	3.15
0.00	-	3.77a	6.04a	7.68	6.57	5.72	5.06	4.52	4.08	3.70	3.38	3.11
-1.00	4.17a	5.91a	8.19a	7.67	6.55	5.67	5.00	4.47	4.03	3.66	3.36	3.08a
-2.00	7.44a	8.59k	9.30	7.74	6.59b	5.71	5.03	4.49	4.06	3.69	3.36a	-
-3.00	9.94k	9.34b	8.17b	7.31b	6.54b	5.69	5.02	4.49	4.05	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	3.62	3.13	2.80	-	-	-	-	-
7.00	-	-	-	-	-	3.15	2.79	2.46	2.10	-	-	-
6.00	-	-	-	-	-	3.17	2.79	2.46	2.12	1.83	1.56	-
5.00	-	-	-	4.33	3.67	3.18	2.77	2.39	2.08	1.81	1.58	1.36
4.00	-	6.55	5.18	4.32	3.61	3.06	2.63	2.29	1.99	1.76	1.54	1.36
3.00	-	-	4.64	3.88	3.29	2.82	2.45	2.15	1.88	1.67	1.48	1.32
2.00	-	-	-	3.42	2.97	2.58	2.26	2.00	1.77	1.58	1.41	1.26
1.00	-	-	3.73	3.17	2.73	2.39	2.11	1.87	1.67	1.50	1.35	1.21
0.00	-	3.77a	3.66	3.04	2.60	2.27	2.00	1.78	1.59	1.44	1.30	1.17
-1.00	4.17a	4.66	3.71	3.08	2.59	2.23	1.95	1.73	1.55	1.40	1.28	1.16
-2.00	6.53	4.97	3.87	3.13	2.63	2.25	1.97	1.75	1.59	1.43	1.28	-
-3.00	7.03	5.15	3.98	3.24	2.72	2.34	2.07	1.84	1.63	-	-	-
-4.00	6.97	5.20	4.11	3.39b	2.87	2.48	2.15	-	-	-	-	-
-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	-	-	-	-	2.20	1.91	1.73	-	-	-	-	-
7.00	-	-	-	-	-	1.92	1.71	1.50	1.24	-	-	-
6.00	-	-	-	-	-	1.94	1.72	1.50	1.26	1.06	0.81	-
5.00	-	-	-	2.63	2.25	1.95	1.70	1.44	1.22	1.03	0.84	0.60
4.00	-	3.82	3.08	2.62	2.19	1.84	1.56	1.34	1.14	0.98	0.78	0.60
3.00	-	-	2.58	2.21	1.88	1.61	1.39	1.20	1.03	0.89	0.70	0.54
2.00	-	-	-	1.78	1.58	1.39	1.21	1.06	0.93	0.77	0.61	0.47
1.00	-	-	1.75	1.55	1.36	1.20	1.06	0.94	0.80	0.65	0.52	0.40
0.00	-	2.10	1.69	1.43	1.24	1.09	0.96	0.84	0.69	0.56	0.45	0.34
-1.00	2.91	2.16	1.73	1.46	1.22	1.05	0.91	0.77	0.63	0.51	0.42	0.33
-2.00	3.09	2.40	1.88	1.51	1.26	1.08	0.93	0.80	0.69	0.56	0.43	-
-3.00	3.52	2.56	1.98	1.62	1.35	1.15	1.02	0.91	0.74	-	-	-
-4.00	3.68	2.81	2.21	1.81	1.58	1.31	1.10	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	2.10	1.82	1.65	-	-	-	-	-
7.00	-	-	-	-	-	1.83	1.63	1.43	1.17	-	-	-
6.00	-	-	-	-	-	1.85	1.64	1.43	1.20	0.99	0.73	-
5.00	-	-	-	2.51	2.14	1.86	1.62	1.36	1.15	0.97	0.76	0.52
4.00	-	3.65	2.94	2.50	2.08	1.75	1.48	1.26	1.07	0.91	0.70	0.52
3.00	-	-	2.44	2.10	1.78	1.52	1.31	1.13	0.97	0.80	0.62	0.46
2.00	-	-	-	1.67	1.48	1.30	1.13	0.99	0.84	0.67	0.52	0.39
1.00	-	-	1.61	1.43	1.26	1.11	0.98	0.86	0.70	0.56	0.43	0.32
0.00	-	1.93	1.55	1.31	1.14	1.00	0.88	0.73	0.60	0.47	0.36	0.26
-1.00	2.69	1.99	1.59	1.34	1.12	0.96	0.82	0.67	0.53	0.42	0.33	0.25
-2.00	2.87	2.23	1.74	1.39	1.16	0.99	0.85	0.69	0.59	0.47	0.34	-
-3.00	3.30	2.39	1.84	1.50	1.25	1.06	0.94	0.82	0.64	-	-	-
-4.00	3.50	2.64	2.07	1.69	1.48	1.22	1.02	-	-	-	-	-
-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	-	-	-	-	3.02	2.65	2.41	-	-	-	-	-
7.00	-	-	-	-	-	2.67	2.40	2.14	1.83	-	-	-
6.00	-	-	-	-	-	2.68	2.40	2.14	1.86	1.61	1.38	-
5.00	-	-	-	3.53	3.06	2.70	2.38	2.07	1.81	1.59	1.40	1.20
4.00	-	4.93	4.08	3.52	3.00	2.59	2.25	1.98	1.74	1.54	1.36	1.20
3.00	-	-	3.63	3.14	2.72	2.37	2.09	1.85	1.64	1.46	1.30	1.16
2.00	-	-	-	2.74	2.44	2.16	1.92	1.72	1.54	1.38	1.24	1.11
1.00	-	-	2.87	2.52	2.23	1.99	1.78	1.60	1.44	1.30	1.18	1.06
0.00	-	3.39	2.81	2.41	2.12	1.88	1.68	1.52	1.37	1.24	1.13	1.03
-1.00	4.17a	3.44	2.85	2.44	2.10	1.84	1.64	1.47	1.33	1.21	1.11	1.02
-2.00	4.54	3.66	2.98	2.49	2.14	1.87	1.66	1.49	1.36	1.24	1.12	-
-3.00	4.91	3.80	3.08	2.59	2.22	1.94	1.74	1.57	1.40	-	-	-
-4.00	4.95	3.95	3.26b	2.75	2.38	2.09	1.82	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	4.64	4.05	3.59	-	-	-	-	-
7.00	-	-	-	-	-	4.07	3.62	3.23	2.80	-	-	-
6.00	-	-	-	-	-	4.08	3.63	3.23	2.83	2.50	2.14a	-
5.00	-	-	-	5.46	4.69	4.10	3.61	3.16	2.79	2.47	2.20	1.94
4.00	-	8.00	6.46	5.45	4.63	3.98	3.47	3.06	2.71	2.42	2.16	1.94
3.00	-	-	5.95	5.04	4.32	3.75	3.29	2.92	2.60	2.34	2.10	1.90
2.00	-	-	-	4.61	4.02	3.52	3.12	2.78	2.50	2.25	2.04	1.85
1.00	-	-	4.57a	4.37	3.79	3.34	2.97	2.66	2.40	2.17	1.97	1.80
0.00	-	3.77a	5.03	4.24	3.67	3.22	2.86	2.57	2.32	2.11	1.92	1.76
-1.00	4.17a	5.91a	5.07	4.28	3.65	3.18	2.82	2.52	2.28	2.07	1.90	1.75
-2.00	7.44a	6.55	5.24	4.33	3.69	3.21	2.84	2.54	2.32	2.11	1.91	-
-3.00	8.65	6.66	5.34	4.44	3.78	3.29	2.93	2.63	2.35	-	-	-
-4.00	7.74b	6.59	5.34	4.47b	3.84	3.34b	2.96	-	-	-	-	-
-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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	5.04	4.52	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	5.05	4.52	4.08	3.62	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.74	5.07	4.54b	4.05	3.61	3.24	2.13a
4.00	-	10.00	8.54b	7.46b	6.61	5.75	5.05	4.46	3.96	3.55	3.20	2.89
3.00	-	-	9.11	7.58	6.43	5.55	4.87	4.31	3.85	3.47	3.14	2.85
2.00	-	-	-	7.11	6.11	5.31	4.68	4.17	3.74	3.38	3.07	2.80
1.00	-	-	4.57a	6.84	5.87	5.12	4.52	4.04	3.64	3.30	3.00	2.75
0.00	-	3.77a	6.04a	6.72	5.73	4.99	4.41	3.95	3.56	3.23	2.95	2.71
-1.00	4.17a	5.91a	8.09	6.76	5.72	4.95	4.36	3.89	3.51	3.19	2.93	2.70
-2.00	7.44a	8.59k	8.26	6.81	5.76	4.98	4.39	3.92	3.55	3.23	2.94	-
-3.00	9.94k	9.34b	8.17b	6.80	5.79b	5.03	4.43	3.95	3.56	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-





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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	4.94	4.38a	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	4.95	4.41b	3.83	3.27	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.68	4.97	4.39	3.76	3.23	2.79	2.13a
4.00	-	10.00	8.54b	7.46b	6.60	5.68	4.89	4.23	3.63	3.15	2.73	2.38
3.00	-	-	9.46	7.65	6.35	5.38	4.64	4.01	3.46	3.02	2.64	2.31
2.00	-	-	-	6.97	5.88	5.04	4.37	3.78	3.30	2.89	2.53	2.23
1.00	-	-	4.57a	6.57	5.54	4.76	4.13	3.59	3.14	2.76	2.44	2.16
0.00	-	3.77a	6.04a	6.40	5.35	4.59	3.96	3.44	3.02	2.66	2.36	2.10
-1.00	4.17a	5.91a	7.92	6.45	5.33	4.53	3.89	3.37	2.95	2.61	2.33	2.08
-2.00	7.44a	8.59k	8.20	6.53	5.38	4.57	3.92	3.40	3.01	2.66	2.34	-
-3.00	9.94k	9.34b	8.14	6.56b	5.47	4.67	4.03b	3.50b	3.07	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-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	-	-	-	-	4.46	3.77	3.30	-	-	-	-	-
7.00	-	-	-	-	-	3.80	3.29	2.83	2.32	-	-	-
6.00	-	-	-	-	-	3.82	3.30	2.83	2.36	1.95	1.57	-
5.00	-	-	-	5.37	4.53	3.84	3.27	2.73	2.29	1.92	1.60	1.29
4.00	-	8.27	6.46	5.35	4.44	3.67	3.05	2.58	2.17	1.84	1.54	1.29
3.00	-	-	5.73	4.77	3.97	3.31	2.79	2.37	2.01	1.72	1.45	1.23
2.00	-	-	-	4.13	3.50	2.97	2.52	2.16	1.85	1.59	1.35	1.15
1.00	-	-	4.49	3.75	3.15	2.68	2.30	1.98	1.70	1.47	1.26	1.08
0.00	-	3.77a	4.39	3.56	2.96	2.50	2.14	1.84	1.59	1.37	1.19	1.02
-1.00	4.17a	5.68	4.47	3.62	2.94	2.44	2.07	1.77	1.52	1.32	1.16	1.01
-2.00	7.44a	6.11	4.69	3.69	3.00	2.49	2.10	1.80	1.58	1.37	1.17	-
-3.00	8.62b	6.34b	4.84	3.87	3.13	2.60	2.24	1.93	1.64	-	-	-
-4.00	7.74b	6.28b	4.88	4.01	3.29	2.77	2.36	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	3.93	3.31	2.90	-	-	-	-	-
7.00	-	-	-	-	-	3.34	2.89	2.48	2.00	-	-	-
6.00	-	-	-	-	-	3.36	2.90	2.48	2.04	1.67	1.31	-
5.00	-	-	-	4.79	4.00	3.38	2.87	2.38	1.98	1.63	1.34	1.05
4.00	-	7.30	5.73	4.77	3.91	3.21	2.66	2.22	1.85	1.55	1.28	1.05
3.00	-	-	5.02	4.18	3.44	2.86	2.40	2.02	1.70	1.43	1.19	0.99
2.00	-	-	-	3.50	2.98	2.52	2.13	1.81	1.54	1.30	1.09	0.91
1.00	-	-	3.77	3.14	2.64	2.24	1.91	1.63	1.39	1.18	1.00	0.84
0.00	-	3.77a	3.67	2.95	2.44	2.06	1.75	1.49	1.28	1.09	0.93	0.78
-1.00	4.17a	4.78	3.73	3.00	2.42	2.00	1.68	1.42	1.21	1.04	0.90	0.77
-2.00	6.85	5.20	3.97	3.08	2.48	2.04	1.71	1.45	1.27	1.09	0.91	-
-3.00	7.47	5.43	4.13	3.25	2.62	2.16	1.85	1.59	1.32	-	-	-
-4.00	7.36	5.45	4.31	3.44	2.83	2.36	1.96	-	-	-	-	-
-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	-	-	-	-	5.85	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.10b	4.51	3.97	3.41a	-	-	-
6.00	-	-	-	-	-	5.12	4.52	3.99	3.49	3.07	2.14a	-
5.00	-	-	-	6.84b	5.88	5.09b	4.49	3.91	3.44	3.04	2.71	2.13a
4.00	-	10.00	8.34	6.95	5.87	5.00	4.32	3.79	3.35	2.98	2.66	2.39
3.00	-	-	7.85	6.51	5.50	4.73	4.12	3.64	3.23	2.89	2.59	2.34
2.00	-	-	-	5.99	5.14	4.46	3.91	3.47	3.10	2.79	2.51	2.28
1.00	-	-	4.57a	5.70	4.87	4.24	3.74	3.33	2.99	2.69	2.44	2.22
0.00	-	3.77a	6.04a	5.55	4.72	4.10	3.62	3.23	2.90	2.62	2.39	2.18
-1.00	4.17a	5.91a	6.70	5.59	4.71	4.06	3.56	3.17	2.85	2.58	2.36	2.17
-2.00	7.44a	8.59k	6.97	5.65	4.75	4.09	3.59	3.19	2.89	2.62	2.37	-
-3.00	9.94k	8.86	6.99b	5.75	4.86	4.18	3.69	3.28	2.93	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.83	4.18	3.67	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	4.89b	4.37	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	4.90b	4.40	3.92	3.46	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.56	4.91	4.38	3.87	3.44	3.07	2.13a
4.00	-	10.00	8.54b	7.45	6.37	5.56	4.84	4.26	3.77	3.38	3.03	2.73
3.00	-	-	8.72	7.25	6.15	5.30	4.64	4.11	3.65	3.28	2.96	2.68
2.00	-	-	-	6.74	5.79	5.04	4.43	3.94	3.53	3.18	2.88	2.62
1.00	-	-	4.57a	6.44	5.53	4.82	4.26	3.80	3.42	3.09	2.81	2.57
0.00	-	3.77a	6.04a	6.31	5.38	4.69	4.14	3.70	3.33	3.02	2.75	2.52
-1.00	4.17a	5.91a	7.59	6.35	5.36	4.64	4.09	3.64	3.28	2.98	2.73	2.51
-2.00	7.44a	8.59k	7.83	6.41	5.41	4.67	4.11	3.66	3.32	3.02	2.74	-
-3.00	9.94k	9.34b	7.79	6.43	5.48	4.74	4.17	3.72b	3.36	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-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	-	-	-	-	5.86a	4.87a	3.62a	-	-	-	-	-
7.00	-	-	-	-	-	5.25b	5.32b	4.65a	3.42a	-	-	-
6.00	-	-	-	-	-	5.27b	5.09b	4.96b	4.53	3.93a	2.14a	-
5.00	-	-	-	6.84b	6.23b	5.75b	5.36b	5.01	4.54	4.12	3.69	2.13a
4.00	-	10.00	8.54b	7.46b	7.21b	6.36	5.61b	4.99	4.52	4.06	3.66	3.31
3.00	-	-	10.00	8.49	7.29	6.34	5.56	4.93	4.40	3.97	3.59	3.27
2.00	-	-	-	8.13	6.98	6.07	5.35	4.77	4.28	3.87	3.51	3.21
1.00	-	-	4.57a	7.81	6.72	5.86	5.18	4.63	4.17	3.77	3.44	3.15
0.00	-	3.77a	6.04a	7.68	6.57	5.72	5.06	4.52	4.08	3.70	3.38	3.11
-1.00	4.17a	5.91a	8.19a	7.67	6.55	5.67	5.00	4.47	4.03	3.66	3.36	3.08a
-2.00	7.44a	8.59k	9.30	7.74	6.59b	5.71	5.03	4.49	4.06	3.69	3.36a	-
-3.00	9.94k	9.34b	8.17b	7.31b	6.54b	5.69	5.02	4.49	4.05	-	-	-
-4.00	7.74b	6.86b	6.25b	5.62b	4.99b	4.50b	3.87b	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

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	-	-	-	-	1.95	1.68	1.53	-	-	-	-	-
7.00	-	-	-	-	-	1.70	1.51	1.32	1.07	-	-	-
6.00	-	-	-	-	-	1.72	1.52	1.32	1.10	0.89	0.61	-
5.00	-	-	-	2.34	1.99	1.73	1.50	1.26	1.06	0.85	0.64	0.41
4.00	-	3.40	2.73	2.33	1.93	1.62	1.36	1.16	0.97	0.78	0.58	0.40
3.00	-	-	2.24	1.92	1.63	1.39	1.19	1.02	0.85	0.67	0.49	0.34
2.00	-	-	-	1.49	1.33	1.16	1.01	0.87	0.70	0.54	0.40	0.27
1.00	-	-	1.40	1.25	1.11	0.98	0.86	0.70	0.56	0.43	0.31	0.20
0.00	-	1.67	1.34	1.13	0.98	0.86	0.71	0.57	0.45	0.34	0.24	0.15
-1.00	2.36	1.73	1.39	1.17	0.97	0.82	0.65	0.50	0.39	0.29	0.21	0.13
-2.00	2.54	1.98	1.53	1.22	1.01	0.85	0.67	0.53	0.44	0.33	0.22	-
-3.00	2.97	2.14	1.64	1.33	1.10	0.93	0.81	0.66	0.49	-	-	-
-4.00	3.18	2.39	1.86	1.52	1.33	1.09	0.90	-	-	-	-	-
-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	-	-	-	-	3.05	2.62	2.35	-	-	-	-	-
7.00	-	-	-	-	-	2.64	2.33	2.04	1.70	-	-	-
6.00	-	-	-	-	-	2.66	2.34	2.04	1.73	1.46	1.13	-
5.00	-	-	-	3.68	3.11	2.68	2.32	1.97	1.68	1.43	1.16	0.88
4.00	-	5.62	4.40	3.67	3.03	2.54	2.15	1.85	1.58	1.36	1.10	0.88
3.00	-	-	3.80	3.18	2.68	2.27	1.95	1.69	1.46	1.24	1.01	0.82
2.00	-	-	-	2.66	2.32	2.01	1.75	1.53	1.33	1.11	0.91	0.75
1.00	-	-	2.78	2.38	2.05	1.79	1.57	1.39	1.18	0.99	0.82	0.67
0.00	-	3.45	2.70	2.23	1.91	1.65	1.45	1.26	1.07	0.90	0.75	0.62
-1.00	4.17a	3.53	2.75	2.27	1.89	1.61	1.40	1.19	1.00	0.84	0.72	0.60
-2.00	5.19	3.83	2.93	2.33	1.93	1.64	1.42	1.22	1.06	0.89	0.73	-
-3.00	5.75	4.03	3.06	2.46	2.04	1.73	1.53	1.35	1.11	-	-	-
-4.00	5.71b	4.20	3.29	2.70	2.26	1.92	1.62	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-

**NOTES**

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.  
 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 and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).