

ROADRAILER

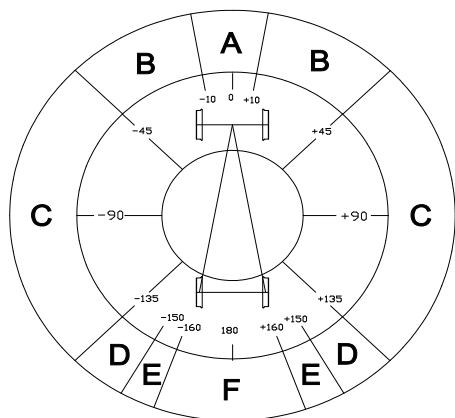
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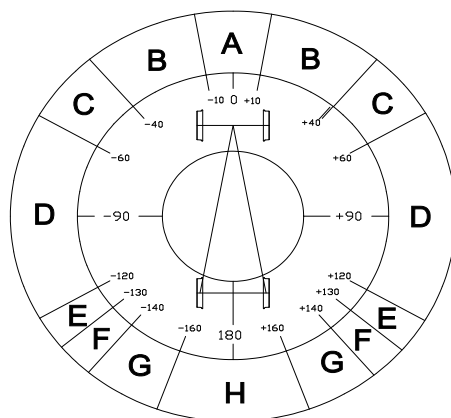
TEL:01823 433398

Oscillating Axle



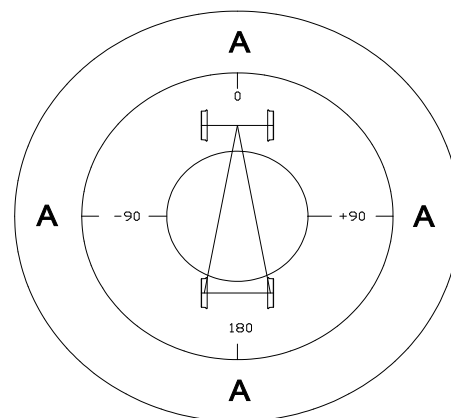
Fixed Axle
Road Duties

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:	H60268	
Rail Axle Number:	2411	
Network Rail Number:	99709 910055-1	
Equipment:	Boom 2.00m Artic 3.475 Arm 2.1m	
Date:	28th January 2016	
Issue:	1	
Software Versions:		
	Safety Controller	V1.25.5.8
	I/O Controller 1	V1.25.5.8
	I/O Controller 2	V1.25.5.8
	MMI	V1.25.5.7



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	Komatsu PW160	Equipment	2.00m + 3.48m + 2.10m
Issue Date	04/02/2016	Reference	2411 / 11023
System Type	PME RAIL	Additional Info.	Triple


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
AU Road (Minimum Loads)	Hitch	ROAD	+/- 10° Over Osc End		71%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.01	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	6.96	5.55	4.58	3.83	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	6.69	5.41	4.52	3.56k	3.11k	2.73a	2.60a	2.42	2.20	2.09	-
-2.00	-	-	11.36	8.44	6.57	5.33	4.44	3.13k	3.11k	2.98	2.65	2.40	2.24	-	-
-3.00	12.00	10.97k	11.23k	8.38	6.58	5.45	4.52	3.89	3.37	2.99	2.68	2.61	-	-	-
-4.00	-	-	11.61	8.56	6.74	5.46	4.68	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
AU Road (Maximum Loads)	Hitch	ROAD	+/- 10° Over Osc End		71%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.40	3.01	2.66a	2.30a	-
4.00	-	-	-	-	7.18b	7.05	5.91	4.98	4.37	3.82	3.42	3.03	2.67	2.36	1.75a
3.00	-	-	-	-	7.68	7.08	5.87	5.01	4.28	3.83	3.41	3.02	2.66	2.36	2.08
2.00	-	-	-	-	7.52	6.94	5.82b	4.98	4.26k	3.80	3.39	2.98	2.62	2.33	2.07
1.00	-	-	-	-	7.92	7.02	5.83	4.94	4.29	3.82	3.38	2.92	2.58	2.30	2.05
0.00	-	-	-	-	7.33	6.82	5.74	4.78	4.19	3.71	3.28	2.87	2.52	2.26	2.01
-1.00	-	-	-	-	7.92	6.71	5.59	4.77	4.10	3.65	3.17	2.78	2.47	2.20	-
-2.00	-	-	12.00	11.20	8.39	6.74	5.59	4.69	4.03	3.54	3.08	2.73	2.43	-	-
-3.00	12.00	12.00	12.00	11.42	8.47	6.70	5.49	4.64	3.95	3.42	3.04	2.68	-	-	-
-4.00	-	-	12.00	11.30	8.30	6.60	5.42	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
BU Road (Minimum Loads)	Hitch	ROAD	+/- 10° - +/- 45° Over Osc End		71%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.86	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	2.74	2.32	1.82a	1.74	1.50	1.44	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	2.64	2.26	1.94a	1.70a	1.49	1.31	1.25	-
4.00	-	-	-	-	2.95a	3.12k	2.91	2.45	2.14	1.87	1.66	1.46	1.28	1.14	1.11
3.00	-	-	-	-	3.98	3.18	2.58	2.28	1.98	1.77	1.57	1.40	1.25	1.10	1.04
2.00	-	-	-	-	4.00	3.19	2.57	2.12	1.87	1.67	1.48	1.33	1.20	1.06	1.01
1.00	-	-	-	-	3.92	3.12	2.53	2.09	1.80	1.60	1.43	1.30	1.16	1.03	1.00
0.00	-	-	-	-	3.86	3.06	2.50	2.05	1.78	1.57	1.39	1.25	1.13	1.03	1.00
-1.00	-	-	-	-	3.66	2.94	2.44	2.00	1.75	1.57	1.39	1.26	1.13	1.07	-
-2.00	-	-	5.96	4.54	3.56	2.88	2.38	2.02	1.77	1.57	1.38	1.25	1.16	-	-
-3.00	12.00	8.45	6.01	4.49	3.55	2.97	2.42	2.07	1.79	1.58	1.42	1.37	-	-	-
-4.00	-	-	6.09	4.61	3.68	3.00	2.57	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety
BU Road (Maximum Loads)	Hitch	ROAD	+/- 10° - +/- 45° Over Osc End		71%



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.10a	2.73	2.35	2.00	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.08a	2.72	2.36	2.05	1.76	1.49	-	-
5.00	-	-	-	-	2.97a	3.28a	3.38a	3.11	2.71	2.35	2.06	1.78	1.51	1.30	-
4.00	-	-	-	-	4.78	4.23	3.61	3.06	2.64	2.33	2.04	1.78	1.53	1.31	1.11
3.00	-	-	-	-	5.07	4.21	3.52	3.01	2.60	2.28	2.03	1.78	1.52	1.30	1.11
2.00	-	-	-	-	4.95	4.11	3.44	2.96	2.56	2.26	2.02	1.76	1.49	1.28	1.09
1.00	-	-	-	-	4.71	4.09	3.36	2.92	2.56	2.24	1.97	1.70	1.44	1.23	1.06
0.00	-	-	-	-	4.12	3.83	3.27	2.75	2.43	2.13	1.88	1.61	1.38	1.20	1.03
-1.00	-	-	-	-	4.33	3.70	3.15	2.69	2.35	2.06	1.76	1.51	1.31	1.14	-
-2.00	-	-	6.53	5.89	4.55	3.72	3.12	2.63	2.24	1.96	1.68	1.46	1.27	-	-
-3.00	12.00	12.00	8.35	6.02	4.59	3.68	3.04	2.57	2.19	1.85	1.63	1.42	-	-	-
-4.00	-	-	6.42	5.96	4.49	3.61	2.98	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
CU Road (Minimum Loads)	Hitch	ROAD	+/- 45° - +/- 135°		71%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.86	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	2.74	2.32	1.82a	1.74	1.50	1.44	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	2.64	2.26	1.94a	1.70a	1.49	1.31	1.25	-
4.00	-	-	-	-	2.95a	3.12k	2.91	2.45	2.14	1.87	1.66	1.46	1.28	1.14	1.11
3.00	-	-	-	-	3.98	3.18	2.58	2.28	1.98	1.77	1.57	1.40	1.25	1.10	1.04
2.00	-	-	-	-	4.00	3.19	2.57	2.12	1.87	1.67	1.48	1.33	1.20	1.06	1.01
1.00	-	-	-	-	3.92	3.12	2.53	2.09	1.80	1.60	1.43	1.30	1.16	1.03	1.00
0.00	-	-	-	-	3.86	3.06	2.50	2.05	1.78	1.57	1.39	1.25	1.13	1.03	1.00
-1.00	-	-	-	-	3.66	2.94	2.44	2.00	1.75	1.57	1.39	1.26	1.13	1.07	-
-2.00	-	-	5.96	4.54	3.56	2.88	2.38	2.02	1.77	1.57	1.39	1.25	1.16	-	-
-3.00	12.00	8.45	6.01	4.49	3.55	2.97	2.42	2.07	1.79	1.58	1.42	1.37	-	-	-
-4.00	-	-	6.09	4.61	3.68	3.00	2.57	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
CU Road (Maximum Loads)	Hitch	ROAD	+/- 45° - +/- 135°		71%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.10a	2.73	2.35	2.00	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.08a	2.72	2.36	2.05	1.76	1.49	-	-
5.00	-	-	-	-	2.97a	3.28a	3.38a	3.11	2.71	2.35	2.06	1.78	1.51	1.30	-
4.00	-	-	-	-	4.78	4.23	3.61	3.06	2.64	2.33	2.04	1.78	1.53	1.31	1.11
3.00	-	-	-	-	5.07	4.21	3.52	3.01	2.60	2.28	2.03	1.78	1.52	1.30	1.11
2.00	-	-	-	-	4.95	4.11	3.44	2.96	2.56	2.26	2.02	1.76	1.49	1.28	1.09
1.00	-	-	-	-	4.71	4.09	3.36	2.92	2.56	2.24	1.97	1.70	1.44	1.23	1.06
0.00	-	-	-	-	4.12	3.83	3.27	2.75	2.43	2.13	1.88	1.61	1.38	1.20	1.03
-1.00	-	-	-	-	4.33	3.70	3.15	2.69	2.35	2.06	1.76	1.51	1.31	1.14	-
-2.00	-	-	6.53	5.89	4.55	3.72	3.12	2.63	2.24	1.96	1.68	1.46	1.27	-	-
-3.00	12.00	12.00	8.35	6.02	4.59	3.68	3.04	2.57	2.19	1.85	1.63	1.42	-	-	-
-4.00	-	-	6.42	5.96	4.49	3.61	2.98	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
DU Road (Minimum Loads)	Hitch	ROAD	+/- 135° - +/- 150° Over Fixed End		71%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.11k	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	8.86	7.07	5.72b	4.91	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	8.54	6.90	5.78	3.56k	3.11k	2.73a	2.60a	2.46a	2.23a	2.19a	-
-2.00	-	-	11.47k	10.86	8.42	6.57a	5.13a	3.13k	3.11k	3.15k	3.00a	2.71a	2.48a	-	-
-3.00	12.00	10.97k	11.23k	10.79	8.44	6.96	5.79	4.34k	3.59k	3.11k	3.19k	3.06a	-	-	-
-4.00	-	-	12.00	11.00	8.61	6.96	5.81a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
DU Road (Maximum Loads)	Hitch	ROAD	+/- 135° - +/- 150° Over Fixed End		71%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.57a	3.42a	3.05a	2.30a	-
4.00	-	-	-	-	7.18b	7.54b	7.28	6.15	4.58a	4.54	4.15	3.69	3.33	2.95	1.75a
3.00	-	-	-	-	7.79b	8.02b	7.28b	6.12	5.31b	4.61k	4.17	3.74	3.32	2.95	2.40a
2.00	-	-	-	-	7.61b	7.86b	7.19b	6.04	5.24	4.60	4.16	3.71	3.28	2.95	2.65
1.00	-	-	-	-	8.85	8.49	7.23	6.15	5.30	4.67	4.14	3.65	3.27	2.92	2.62
0.00	-	-	-	-	9.10	8.66	7.09	5.98	5.26	4.65	4.10	3.63	3.21	2.87	2.31a
-1.00	-	-	-	-	10.14	8.54	7.09	6.02	5.18	4.50	3.98	3.52	3.16	2.83	-
-2.00	-	-	12.00	12.00	10.77	8.59	7.02	5.93	5.10	4.37	3.86	3.45	3.10	-	-
-3.00	12.00	12.00	12.00	12.00	10.87	8.55	6.98	5.85	5.01	4.36	3.80	3.43	-	-	-
-4.00	-	-	12.00	12.00	10.66	8.43	6.90	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
EU Road (Minimum Loads)	Hitch	ROAD	+/- 150° - +/- 160° Over Fixed End		71%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.11k	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	8.97b	7.10b	5.72b	5.24b	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	11.00k	9.02b	7.40b	3.56k	3.11k	2.73a	2.60a	2.46a	2.23a	2.19a	-
-2.00	-	-	11.47k	10.90k	10.98k	6.57a	5.13a	3.13k	3.11k	3.15k	3.00a	2.71a	2.48a	-	-
-3.00	12.00	12.00	11.23k	10.89k	9.37b	7.25a	5.82a	4.34k	3.59k	3.11k	3.19k	3.06a	-	-	-
-4.00	-	-	12.00	11.74b	9.59b	7.96b	5.81a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
EU Road (Maximum Loads)	Hitch	ROAD	+/- 150° - +/- 160° Over Fixed End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.57a	3.42a	3.05a	2.30a	-
4.00	-	-	-	-	7.18b	7.60b	7.65b	6.29a	4.58a	4.58a	4.32a	4.03a	3.70a	3.07a	1.75a
3.00	-	-	-	-	7.79b	8.09b	8.16b	8.02b	6.82b	6.03b	4.94b	4.89k	4.40a	3.71a	2.40a
2.00	-	-	-	-	7.61b	7.96b	8.05b	7.95b	7.46b	6.58b	5.86b	4.94b	4.93b	4.13a	2.72a
1.00	-	-	-	-	8.87b	8.76b	8.71b	8.26b	7.57b	6.79b	6.10b	5.56b	4.98k	4.43a	2.94a
0.00	-	-	-	-	10.86b	10.47b	9.56b	8.75b	7.67b	6.88b	6.18b	5.59b	4.91a	4.45a	2.31a
-1.00	-	-	-	-	12.00	11.94b	10.27b	8.85b	7.79b	6.96b	6.17b	5.53b	4.80a	3.78a	-
-2.00	-	-	12.00	12.00	12.00	12.00	10.44b	8.91b	7.82b	6.91b	6.14b	5.16k	4.39a	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	12.00	10.26a	8.82b	7.40b	6.39b	4.96b	3.98a	-	-	-
-4.00	-	-	12.00	12.00	11.43b	9.39b	7.94b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
FU Road (Minimum Loads)	Hitch	ROAD	+/- 160° - +/- 180° Over Fixed End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.11k	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	8.97b	7.10b	5.72b	5.24b	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	11.00k	9.02b	7.40b	3.56k	3.11k	2.73a	2.60a	2.46a	2.23a	2.19a	-
-2.00	-	-	11.47k	10.90k	10.98k	6.57a	5.13a	3.13k	3.11k	3.15k	3.00a	2.71a	2.48a	-	-
-3.00	12.00	12.00	11.23k	10.89k	9.37b	7.25a	5.82a	4.34k	3.59k	3.11k	3.19k	3.06a	-	-	-
-4.00	-	-	12.00	11.74b	9.59b	7.96b	5.81a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
FU Road (Maximum Loads)	Hitch	ROAD	+/- 160° - +/- 180° Over Fixed End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.57a	3.42a	3.05a	2.30a	-
4.00	-	-	-	-	7.18b	7.60b	7.65b	6.29a	4.58a	4.58a	4.32a	4.03a	3.70a	3.07a	1.75a
3.00	-	-	-	-	7.79b	8.09b	8.16b	8.02b	6.82b	6.03b	4.94b	4.89k	4.40a	3.71a	2.40a
2.00	-	-	-	-	7.61b	7.96b	8.05b	7.95b	7.46b	6.58b	5.86b	4.94b	4.93b	4.13a	2.72a
1.00	-	-	-	-	8.87b	8.76b	8.71b	8.26b	7.57b	6.79b	6.10b	5.56b	4.98k	4.43a	2.94a
0.00	-	-	-	-	10.86b	10.47b	9.56b	8.75b	7.67b	6.88b	6.18b	5.59b	4.91a	4.45a	2.31a
-1.00	-	-	-	-	12.00	11.94b	10.27b	8.85b	7.79b	6.96b	6.17b	5.53b	4.80a	3.78a	-
-2.00	-	-	12.00	12.00	12.00	12.00	10.44b	8.91b	7.82b	6.91b	6.14b	5.16k	4.39a	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	12.00	10.26a	8.82b	7.40b	6.39b	4.96b	3.98a	-	-	-
-4.00	-	-	12.00	12.00	11.43b	9.39b	7.94b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
AL Road (Minimum Loads)	Hitch	ROAD	+/- 10° Over Osc End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.11k	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	8.97b	7.10b	5.72b	5.24b	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	11.00k	9.02b	7.36	3.56k	3.11k	2.73a	2.60a	2.46a	2.23a	2.19a	-
-2.00	-	-	11.47k	10.90k	10.98k	6.57a	5.13a	3.13k	3.11k	3.15k	3.00a	2.71a	2.48a	-	-
-3.00	12.00	12.00	11.23k	10.89k	9.37b	7.25a	5.82a	4.34k	3.59k	3.11k	3.19k	3.06a	-	-	-
-4.00	-	-	12.00	11.74b	9.59b	7.96b	5.81a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
AL Road (Maximum Loads)	Hitch	ROAD	+/- 10° Over Osc End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.57a	3.42a	3.05a	2.30a	-
4.00	-	-	-	-	7.18b	7.60b	7.65b	6.29a	4.58a	4.58a	4.32a	4.01	3.57	3.07a	1.75a
3.00	-	-	-	-	7.79b	8.09b	8.16b	7.50	6.22	5.32	4.64	4.08	3.57	3.13	2.40a
2.00	-	-	-	-	7.61b	7.96b	8.04b	7.44	6.30	5.33	4.59	4.09	3.54	3.14	2.72a
1.00	-	-	-	-	8.87b	8.76b	8.71b	7.50	6.25	5.32	4.61	4.03	3.54a	3.07	2.74
0.00	-	-	-	-	10.86b	10.47b	9.43b	7.62	6.31	5.29	4.58	3.99	3.45	3.04	2.31a
-1.00	-	-	-	-	12.00	11.94b	9.71	7.68	6.27	5.19	4.40	3.89	3.38	2.99	-
-2.00	-	-	12.00	12.00	12.00	12.00	9.57	7.54	6.14	5.07	4.36	3.80	3.34	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	12.00	9.53	7.45	6.05	5.07	4.27	3.77	-	-	-
-4.00	-	-	12.00	12.00	11.43b	9.39b	7.94b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
BL Road (Minimum Loads)	Hitch	ROAD	+/- 10° - +/- 45° Over Osc End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.02	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	6.96	5.55	4.58	3.83	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	6.69	5.41	4.52	3.56k	3.11k	2.73a	2.60a	2.42	2.20	2.09	-
-2.00	-	-	11.36	8.44	6.57	5.33	4.44	3.13k	3.11k	2.98	2.65	2.40	2.24	-	-
-3.00	12.00	10.97k	11.23k	8.38	6.58	5.45	4.52	3.89	3.37	2.99	2.68	2.61	-	-	-
-4.00	-	-	11.61	8.56	6.74	5.46	4.68	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
BL Road (Maximum Loads)	Hitch	ROAD	+/- 10° - +/- 45° Over Osc End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.40	3.01	2.66a	2.30a	-
4.00	-	-	-	-	7.18b	7.05	5.91	4.98	4.37	3.82	3.42	3.03	2.67	2.36	1.75a
3.00	-	-	-	-	7.68	7.08	5.87	5.01	4.28	3.83	3.41	3.02	2.66	2.36	2.08
2.00	-	-	-	-	7.52	6.94	5.82b	4.98	4.26k	3.80	3.39	2.98	2.62	2.33	2.07
1.00	-	-	-	-	7.92	7.03	5.83	4.94	4.29	3.82	3.38	2.92	2.58	2.30	2.05
0.00	-	-	-	-	7.33	6.82	5.74	4.78	4.19	3.72	3.28	2.87	2.52	2.26	2.01
-1.00	-	-	-	-	7.92	6.71	5.59	4.77	4.10	3.65	3.17	2.78	2.47	2.20	-
-2.00	-	-	12.00	11.20	8.39	6.74	5.59	4.69	4.03	3.54	3.08	2.73	2.43	-	-
-3.00	12.00	12.00	12.00	11.42	8.47	6.70	5.49	4.64	3.95	3.42	3.04	2.68	-	-	-
-4.00	-	-	12.00	11.30	8.30	6.60	5.42	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
CL Road (Minimum Loads)	Hitch	ROAD	+/- 45° - +/- 135°		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.02	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	6.96	5.55	4.58	3.83	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	6.69	5.41	4.52	3.56k	3.11k	2.73a	2.60a	2.42	2.20	2.09	-
-2.00	-	-	11.36	8.44	6.57	5.33	4.44	3.13k	3.11k	2.98	2.65	2.40	2.24	-	-
-3.00	12.00	10.97k	11.23k	8.38	6.58	5.45	4.52	3.89	3.37	2.99	2.68	2.61	-	-	-
-4.00	-	-	11.61	8.56	6.74	5.46	4.68	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
CL Road (Maximum Loads)	Hitch	ROAD	+/- 45° - +/- 135°		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.40	3.01	2.66a	2.30a	-
4.00	-	-	-	-	7.18b	7.05	5.91	4.98	4.37	3.82	3.42	3.03	2.67	2.36	1.75a
3.00	-	-	-	-	7.68	7.08	5.87	5.01	4.28	3.83	3.41	3.02	2.66	2.36	2.08
2.00	-	-	-	-	7.52	6.94	5.82b	4.98	4.26k	3.80	3.39	2.98	2.62	2.33	2.07
1.00	-	-	-	-	7.92	7.03	5.83	4.94	4.29	3.82	3.38	2.92	2.58	2.30	2.05
0.00	-	-	-	-	7.33	6.82	5.74	4.78	4.19	3.72	3.28	2.87	2.52	2.26	2.01
-1.00	-	-	-	-	7.92	6.71	5.59	4.77	4.10	3.65	3.17	2.78	2.47	2.20	-
-2.00	-	-	12.00	11.20	8.39	6.74	5.59	4.69	4.03	3.54	3.08	2.73	2.43	-	-
-3.00	12.00	12.00	12.00	11.42	8.47	6.70	5.49	4.64	3.95	3.42	3.04	2.68	-	-	-
-4.00	-	-	12.00	11.30	8.30	6.60	5.42	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
DL Road (Minimum Loads)	Hitch	ROAD	+/- 135° - +/- 150° Over Fixed End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.11k	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	7.54	6.13	5.12	4.35	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	7.28	5.99	5.07	3.56k	3.11k	2.73a	2.60a	2.46a	2.23a	2.19a	-
-2.00	-	-	11.47k	9.00	7.17	5.92	5.00	3.13k	3.11k	3.15k	3.00a	2.71a	2.48a	-	-
-3.00	12.00	10.97k	11.23k	8.95	7.18	6.03	5.08	4.34k	3.59k	3.11k	3.11	3.02	-	-	-
-4.00	-	-	11.98	9.12	7.33	6.04	5.22	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
DL Road (Maximum Loads)	Hitch	ROAD	+/- 135° - +/- 150° Over Fixed End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.57a	3.37a	3.01a	2.30a	-
4.00	-	-	-	-	7.18b	7.22b	6.42b	5.46	4.49k	4.25	3.80	3.39	3.05	2.70	1.75a
3.00	-	-	-	-	7.75b	7.40b	6.34	5.49b	4.75	4.26	3.81	3.40	3.03	2.70	2.40a
2.00	-	-	-	-	7.61b	7.51	6.31b	5.38	4.74	4.22b	3.81b	3.38	3.01	2.68	2.42
1.00	-	-	-	-	8.18	7.59	6.38	5.41	4.77b	4.23	3.78a	3.31	2.97	2.65	2.39
0.00	-	-	-	-	7.90	7.39	6.29	5.30	4.68	4.17	3.70	3.28	2.91	2.61	2.31a
-1.00	-	-	-	-	8.50	7.29	6.16	5.30	4.61	4.12	3.61	3.19	2.86	2.57	-
-2.00	-	-	12.00	11.61	8.95	7.33	6.10	5.22	4.53	3.90	3.53	3.15	2.80	-	-
-3.00	12.00	12.00	12.00	11.81	9.03	7.29	6.06	5.18	4.46	3.90	3.48a	3.10	-	-	-
-4.00	-	-	12.00	11.70	8.87	7.19	5.99	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
EL Road (Minimum Loads)	Hitch	ROAD	+/- 150° - +/- 160° Over Fixed End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.11k	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	8.08	6.58	5.51	4.69	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	7.81	6.43	5.46	3.56k	3.11k	2.73a	2.60a	2.46a	2.23a	2.19a	-
-2.00	-	-	11.47k	9.65	7.70	6.36	5.13a	3.13k	3.11k	3.15k	3.00a	2.71a	2.48a	-	-
-3.00	12.00	10.97k	11.23k	9.59	7.72	6.48	5.47	4.34k	3.59k	3.11k	3.19k	3.06a	-	-	-
-4.00	-	-	12.00	9.77	7.86	6.48	5.61	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
EL Road (Maximum Loads)	Hitch	ROAD	+/- 150° - +/- 160° Over Fixed End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.57a	3.42a	3.05a	2.30a	-
4.00	-	-	-	-	7.18b	7.35b	6.82	5.81	4.58a	4.47	4.03	3.63	3.26	2.90	1.75a
3.00	-	-	-	-	7.79b	7.84b	6.79	5.82	5.09	4.49	4.06	3.64	3.26	2.91	2.40a
2.00	-	-	-	-	7.61b	7.85b	6.71	5.77	5.05	4.43	4.05	3.61	3.23a	2.90	2.62
1.00	-	-	-	-	8.66b	8.07b	6.73	5.80	5.07	4.53	4.05	3.56a	3.20	2.87	2.59
0.00	-	-	-	-	8.45	7.92	6.73	5.68	5.02	4.48	3.97	3.54	3.14	2.82	2.31a
-1.00	-	-	-	-	9.10	7.81	6.60	5.69	4.94	4.33k	3.89a	3.44	3.09	2.78	-
-2.00	-	-	12.00	12.00	9.59	7.85	6.55	5.60	4.87	4.21	3.75	3.37	3.04	-	-
-3.00	12.00	12.00	12.00	12.00	9.67	7.82	6.51	5.56	4.80a	4.20	3.68	3.35	-	-	-
-4.00	-	-	12.00	12.00	9.50	7.72	6.43	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
FL Road (Minimum Loads)	Hitch	ROAD	+/- 160° - +/- 180° Over Fixed End		71%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30a	2.20a	2.17a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.18a	1.96a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.01a	3.05a	2.39a	1.82a	1.76a	1.78a	1.81a	-	-
5.00	-	-	-	-	2.74a	2.86a	2.96a	3.06a	3.18a	1.94a	1.70a	1.70a	1.71a	1.72a	-
4.00	-	-	-	-	2.95a	3.12k	3.13k	3.13k	3.24k	2.88b	1.73a	1.70a	1.70a	1.69a	1.75a
3.00	-	-	-	-	6.10b	4.95b	3.56k	3.13k	3.12k	2.88b	1.72a	1.73a	1.71a	1.71a	1.71a
2.00	-	-	-	-	5.79b	4.85b	4.15b	3.23k	3.12k	2.79a	1.84a	1.79a	1.78a	1.80a	1.78a
1.00	-	-	-	-	5.97b	4.82b	4.16b	3.11k	3.11k	3.11k	2.00a	1.91a	1.91a	1.90a	1.83a
0.00	-	-	-	-	8.86	7.07	5.72b	4.91	3.12k	2.63a	2.22a	2.17a	2.06a	1.95a	1.92a
-1.00	-	-	-	-	8.54	6.90	5.78	3.56k	3.11k	2.73a	2.60a	2.46a	2.23a	2.19a	-
-2.00	-	-	11.47k	10.86	8.42	6.57a	5.13a	3.13k	3.11k	3.15k	3.00a	2.71a	2.48a	-	-
-3.00	12.00	10.97k	11.23k	10.79	8.44	6.96	5.79	4.34k	3.59k	3.11k	3.19k	3.06a	-	-	-
-4.00	-	-	12.00	11.00	8.61	6.96	5.81a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
FL Road (Maximum Loads)	Hitch	ROAD	+/- 160° - +/- 180° Over Fixed End		71%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.97a	2.29a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.54a	-	-	-	-
6.00	-	-	-	-	-	-	3.03a	3.21a	3.25a	3.24a	3.18a	2.91a	2.06a	-	-
5.00	-	-	-	-	2.97a	3.28a	3.47a	3.58a	3.61a	3.62a	3.57a	3.42a	3.05a	2.30a	-
4.00	-	-	-	-	7.18b	7.54b	7.28	6.15	4.58a	4.54	4.15	3.69	3.33	2.95	1.75a
3.00	-	-	-	-	7.79b	8.02b	7.28b	6.12	5.31b	4.61k	4.17	3.74	3.32	2.95	2.40a
2.00	-	-	-	-	7.61b	7.86b	7.19b	6.04	5.24	4.60	4.16	3.71	3.28	2.95	2.65
1.00	-	-	-	-	8.85	8.49	7.23	6.15	5.30	4.67	4.14	3.65	3.27	2.92	2.62
0.00	-	-	-	-	9.10	8.66	7.09	5.98	5.26	4.65	4.10	3.63	3.21	2.87	2.31a
-1.00	-	-	-	-	10.14	8.54	7.09	6.02	5.18	4.50	3.98	3.52	3.16	2.83	-
-2.00	-	-	12.00	12.00	10.77	8.59	7.02	5.93	5.10	4.37	3.86	3.45	3.10	-	-
-3.00	12.00	12.00	12.00	12.00	10.87	8.55	6.98	5.85	5.01	4.36	3.80	3.43	-	-	-
-4.00	-	-	12.00	12.00	10.66	8.43	6.90	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2AU Level-50 (Minimum Loads)	Hitch	RAIL	+/- 10° Over Osc End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	2.89	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	6.37	5.14	4.27	3.59	3.11k	2.57a	2.25a	2.19a	2.07a	1.93	1.90
-1.00	-	-	-	-	6.08	4.97	4.22	3.54	3.12k	2.71a	2.53	2.29	2.10	1.97	-
-2.00	-	-	10.28	7.50	6.03	4.95	4.19	3.32k	3.13	2.80	2.53	2.30	2.15	-	-
-3.00	11.58k	10.99k	9.84	7.49	5.96	4.93	4.16	3.62	3.17	2.84	2.56	2.54	-	-	-
-4.00	-	-	10.05	7.54	6.08	5.08	4.40	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2AU Level-50 (Maximum Loads)	Hitch	RAIL	+/- 10° Over Osc End		67%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.82	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.59a	3.22	2.85	2.52	2.25	-
4.00	-	-	-	-	6.81b	6.42	5.41	4.38b	4.04a	3.64	3.24	2.88	2.54	2.26	1.78a
3.00	-	-	-	-	7.32	6.47	5.42	4.66	4.09	3.61	3.22	2.87	2.53	2.25	1.99
2.00	-	-	-	-	7.24b	6.43	5.38	4.64	4.01	3.59	3.22	2.83	2.51	2.23	1.98
1.00	-	-	-	-	7.36	6.44	5.37	4.61	3.98	3.58	3.17	2.77	2.47	2.19	1.96
0.00	-	-	-	-	6.60	6.30	5.30	4.48	3.96	3.50	3.10	2.71	2.42	2.14	1.93
-1.00	-	-	-	-	7.15	6.20	5.20	4.42	3.89	3.42	2.99	2.64	2.35	2.10	-
-2.00	-	-	11.34	9.78	7.54	6.11	5.11	4.38	3.78	3.29	2.89	2.57	2.32	-	-
-3.00	12.00	12.00	12.00	9.85	7.50	6.15	5.05	4.30	3.70	3.22	2.86	2.56	-	-	-
-4.00	-	-	12.00	9.44	7.50	6.00	5.02	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
2BU Level-50 (Minimum Loads)	Hitch	RAIL	+/- 10° - +/- 40° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.17	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.94	1.70	1.53	-	-	-	-
6.00	-	-	-	-	-	-	2.73	2.27	1.95	1.70	1.45	1.26	1.21	-	-
5.00	-	-	-	-	2.75a	2.89a	2.58	2.21	1.92	1.66	1.44	1.25	1.09	1.05	-
4.00	-	-	-	-	3.16a	2.91	2.48	2.13	1.80	1.55	1.38	1.20	1.07	0.94	0.92
3.00	-	-	-	-	3.36	2.68	2.15	1.93	1.71	1.51	1.33	1.15	1.03	0.91	0.86
2.00	-	-	-	-	3.31	2.63	2.12	1.78	1.55	1.43	1.27	1.12	0.98	0.88	0.82
1.00	-	-	-	-	3.21	2.61	2.13	1.71	1.51	1.34	1.21	1.07	0.96	0.85	0.82
0.00	-	-	-	-	3.22	2.55	2.07	1.69	1.47	1.31	1.17	1.05	0.93	0.85	0.83
-1.00	-	-	-	-	2.98	2.41	2.01	1.64	1.45	1.28	1.15	1.02	0.93	0.87	-
-2.00	-	-	4.91	3.64	2.93	2.37	1.99	1.66	1.44	1.28	1.14	1.03	0.96	-	-
-3.00	11.58k	6.48	4.69	3.61	2.88	2.35	1.97	1.70	1.48	1.31	1.17	1.17	-	-	-
-4.00	-	-	4.82	3.67	2.97	2.49	2.15	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
2BU Level-50 (Maximum Loads)	Hitch	RAIL	+/- 10° - +/- 40° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.84a	2.65	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.65	2.29	1.99	1.68	-	-	-	-
6.00	-	-	-	-	-	-	2.73	2.61	2.30	1.99	1.73	1.47	1.24	-	-
5.00	-	-	-	-	2.96a	3.24	2.98	2.64	2.28	1.99	1.74	1.50	1.27	1.09	-
4.00	-	-	-	-	3.96	3.54	2.98	2.57	2.22	1.95	1.72	1.50	1.28	1.09	0.92
3.00	-	-	-	-	4.05	3.46	2.90	2.45	2.19	1.92	1.71	1.50	1.28	1.09	0.92
2.00	-	-	-	-	4.11	3.40	2.85	2.45	2.15	1.91	1.70	1.48	1.24	1.07	0.90
1.00	-	-	-	-	4.00	3.38	2.84	2.46	2.13	1.89	1.64	1.40	1.21	1.02	0.88
0.00	-	-	-	-	3.35	3.21	2.73	2.31	2.06	1.80	1.58	1.35	1.15	0.99	0.85
-1.00	-	-	-	-	3.51	3.11	2.63	2.23	1.97	1.72	1.47	1.26	1.09	0.94	-
-2.00	-	-	5.36	4.68	3.70	3.03	2.56	2.20	1.87	1.60	1.37	1.19	1.05	-	-
-3.00	12.00	7.89	6.40	4.73	3.69	3.06	2.50	2.10	1.79	1.53	1.34	1.18	-	-	-
-4.00	-	-	5.70	4.55	3.67	2.95	2.47	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
2CU Level-50 (Minimum Loads)	Hitch	RAIL	+/- 40° - +/- 60° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.02	1.94	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.05	1.72	1.49	1.33	-	-	-	-
6.00	-	-	-	-	-	-	2.46	2.03	1.73	1.49	1.26	1.08	1.03	-	-
5.00	-	-	-	-	2.75a	2.75	2.32	1.96	1.69	1.45	1.25	1.07	0.92	0.88	-
4.00	-	-	-	-	3.15	2.60	2.20	1.88	1.57	1.34	1.18	1.01	0.90	0.78	0.76
3.00	-	-	-	-	3.02	2.38	1.87	1.67	1.48	1.30	1.13	0.97	0.85	0.75	0.70
2.00	-	-	-	-	2.98	2.33	1.84	1.52	1.32	1.21	1.07	0.93	0.81	0.72	0.67
1.00	-	-	-	-	2.87	2.30	1.85	1.46	1.27	1.12	1.01	0.88	0.78	0.69	0.66
0.00	-	-	-	-	2.89	2.24	1.79	1.43	1.24	1.09	0.97	0.86	0.76	0.68	0.67
-1.00	-	-	-	-	2.64	2.10	1.73	1.38	1.22	1.06	0.95	0.84	0.75	0.70	-
-2.00	-	-	4.48	3.26	2.59	2.06	1.70	1.40	1.21	1.06	0.94	0.84	0.78	-	-
-3.00	11.58k	6.03	4.27	3.22	2.54	2.04	1.69	1.44	1.25	1.09	0.97	0.97	-	-	-
-4.00	-	-	4.40	3.29	2.63	2.18	1.87	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety
2CU Level-50 (Maximum Loads)	Hitch	RAIL	+/- 40° - +/- 60° Over Osc End		67%



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.69	2.39	1.99	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.39	2.05	1.77	1.47	-	-	-	-
6.00	-	-	-	-	-	-	2.46	2.35	2.06	1.77	1.53	1.28	1.06	-	-
5.00	-	-	-	-	2.96a	3.11	2.71	2.38	2.04	1.76	1.53	1.31	1.09	0.92	-
4.00	-	-	-	-	3.71	3.23	2.69	2.30	1.97	1.72	1.52	1.31	1.10	0.92	0.76
3.00	-	-	-	-	3.69	3.13	2.61	2.19	1.95	1.70	1.50	1.31	1.10	0.92	0.76
2.00	-	-	-	-	3.75	3.07	2.56	2.18	1.91	1.68	1.50	1.28	1.06	0.90	0.74
1.00	-	-	-	-	3.65	3.06	2.54	2.19	1.89	1.66	1.43	1.21	1.03	0.85	0.71
0.00	-	-	-	-	3.01	2.88	2.43	2.05	1.82	1.57	1.37	1.15	0.97	0.82	0.69
-1.00	-	-	-	-	3.15	2.77	2.33	1.96	1.72	1.49	1.26	1.06	0.90	0.77	-
-2.00	-	-	4.92	4.25	3.32	2.69	2.26	1.92	1.62	1.37	1.16	0.99	0.87	-	-
-3.00	12.00	7.47	5.95	4.30	3.31	2.72	2.20	1.83	1.54	1.30	1.13	0.98	-	-	-
-4.00	-	-	5.25	4.13	3.29	2.61	2.16	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2DU Level-50 (Minimum Loads)	Hitch	RAIL	+/- 60° - +/- 120°		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.02	1.94	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.05	1.72	1.49	1.33	-	-	-	-
6.00	-	-	-	-	-	-	2.46	2.03	1.73	1.49	1.26	1.08	1.03	-	-
5.00	-	-	-	-	2.75a	2.75	2.32	1.96	1.69	1.45	1.25	1.07	0.92	0.88	-
4.00	-	-	-	-	3.15	2.60	2.20	1.88	1.57	1.34	1.18	1.01	0.90	0.78	0.76
3.00	-	-	-	-	3.02	2.38	1.87	1.67	1.48	1.30	1.13	0.97	0.85	0.75	0.70
2.00	-	-	-	-	2.98	2.33	1.84	1.52	1.32	1.21	1.07	0.93	0.81	0.72	0.67
1.00	-	-	-	-	2.87	2.30	1.85	1.46	1.27	1.12	1.01	0.88	0.78	0.69	0.66
0.00	-	-	-	-	2.89	2.24	1.79	1.43	1.24	1.09	0.97	0.86	0.76	0.68	0.67
-1.00	-	-	-	-	2.64	2.10	1.73	1.38	1.22	1.06	0.95	0.84	0.75	0.70	-
-2.00	-	-	4.48	3.26	2.59	2.06	1.70	1.40	1.21	1.06	0.94	0.84	0.78	-	-
-3.00	11.58k	6.03	4.27	3.22	2.54	2.04	1.69	1.44	1.25	1.09	0.97	0.97	-	-	-
-4.00	-	-	4.40	3.29	2.63	2.18	1.87	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2DU Level-50 (Maximum Loads)	Hitch	RAIL	+/- 60° - +/- 120°		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.69	2.39	1.99	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.39	2.05	1.77	1.47	-	-	-	-
6.00	-	-	-	-	-	-	2.46	2.35	2.06	1.77	1.53	1.28	1.06	-	-
5.00	-	-	-	-	2.96a	3.11	2.71	2.38	2.04	1.76	1.53	1.31	1.09	0.92	-
4.00	-	-	-	-	3.71	3.23	2.69	2.30	1.97	1.72	1.52	1.31	1.10	0.92	0.76
3.00	-	-	-	-	3.69	3.13	2.61	2.19	1.95	1.70	1.50	1.31	1.10	0.92	0.76
2.00	-	-	-	-	3.75	3.07	2.56	2.18	1.91	1.68	1.50	1.28	1.06	0.90	0.74
1.00	-	-	-	-	3.65	3.06	2.54	2.19	1.89	1.66	1.43	1.21	1.03	0.85	0.71
0.00	-	-	-	-	3.01	2.88	2.43	2.05	1.82	1.57	1.37	1.15	0.97	0.82	0.69
-1.00	-	-	-	-	3.15	2.77	2.33	1.96	1.72	1.49	1.26	1.06	0.90	0.77	-
-2.00	-	-	4.92	4.25	3.32	2.69	2.26	1.92	1.62	1.37	1.16	0.99	0.87	-	-
-3.00	12.00	7.47	5.95	4.30	3.31	2.72	2.20	1.83	1.54	1.30	1.13	0.98	-	-	-
-4.00	-	-	5.25	4.13	3.29	2.61	2.16	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2EU Level-50 (Minimum Loads)	Hitch	RAIL	+/- 120° - +/- 130° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.17	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.94	1.70	1.53	-	-	-	-
6.00	-	-	-	-	-	-	2.73	2.27	1.95	1.70	1.45	1.26	1.21	-	-
5.00	-	-	-	-	2.75a	2.89a	2.58	2.21	1.92	1.66	1.44	1.25	1.09	1.05	-
4.00	-	-	-	-	3.16a	2.91	2.48	2.13	1.80	1.55	1.38	1.20	1.07	0.94	0.92
3.00	-	-	-	-	3.36	2.68	2.15	1.93	1.71	1.51	1.33	1.15	1.03	0.91	0.86
2.00	-	-	-	-	3.31	2.63	2.12	1.78	1.55	1.43	1.27	1.12	0.98	0.88	0.82
1.00	-	-	-	-	3.21	2.61	2.13	1.71	1.51	1.34	1.21	1.07	0.96	0.85	0.82
0.00	-	-	-	-	3.22	2.55	2.07	1.69	1.47	1.30	1.17	1.05	0.93	0.85	0.83
-1.00	-	-	-	-	2.98	2.41	2.01	1.64	1.45	1.28	1.15	1.02	0.93	0.87	-
-2.00	-	-	4.91	3.64	2.93	2.37	1.99	1.66	1.44	1.28	1.14	1.03	0.96	-	-
-3.00	11.58k	6.48	4.69	3.61	2.88	2.35	1.97	1.70	1.48	1.31	1.17	1.17	-	-	-
-4.00	-	-	4.82	3.67	2.97	2.49	2.15	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2EU Level-50 (Maximum Loads)	Hitch	RAIL	+/- 120° - +/- 130° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.84a	2.65	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.65	2.29	1.99	1.68	-	-	-	-
6.00	-	-	-	-	-	-	2.73	2.61	2.30	1.99	1.73	1.47	1.24	-	-
5.00	-	-	-	-	2.96a	3.24	2.98	2.64	2.28	1.99	1.74	1.50	1.27	1.09	-
4.00	-	-	-	-	3.96	3.53	2.98	2.57	2.22	1.95	1.72	1.50	1.28	1.09	0.92
3.00	-	-	-	-	4.05	3.46	2.90	2.45	2.19	1.92	1.71	1.50	1.28	1.09	0.92
2.00	-	-	-	-	4.11	3.40	2.85	2.45	2.15	1.91	1.70	1.48	1.24	1.07	0.90
1.00	-	-	-	-	4.00	3.38	2.84	2.46	2.13	1.89	1.64	1.40	1.21	1.02	0.88
0.00	-	-	-	-	3.35	3.21	2.73	2.31	2.06	1.80	1.58	1.35	1.15	0.99	0.85
-1.00	-	-	-	-	3.51	3.11	2.63	2.23	1.97	1.72	1.47	1.26	1.09	0.94	-
-2.00	-	-	5.36	4.68	3.70	3.03	2.56	2.20	1.87	1.60	1.37	1.19	1.05	-	-
-3.00	12.00	7.89	6.40	4.73	3.69	3.06	2.50	2.10	1.79	1.53	1.34	1.18	-	-	-
-4.00	-	-	5.70	4.55	3.67	2.95	2.47	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2FU Level-50 (Minimum Loads)	Hitch	RAIL	+/- 130° - +/- 140° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.73	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	2.53	2.19	1.77a	1.66	1.45	1.39	-	-
5.00	-	-	-	-	2.75a	2.89a	2.88	2.48	2.16	1.88	1.64	1.44	1.27	1.22	-
4.00	-	-	-	-	3.16a	3.11k	2.79	2.39	2.04	1.77	1.58	1.38	1.24	1.10	1.08
3.00	-	-	-	-	3.76	3.02	2.45	2.21	1.95	1.73	1.53	1.34	1.20	1.07	1.02
2.00	-	-	-	-	3.71	2.98	2.42	2.06	1.79	1.66	1.48	1.30	1.16	1.04	0.98
1.00	-	-	-	-	3.61	2.95	2.44	1.98	1.75	1.56	1.41	1.26	1.13	1.01	0.98
0.00	-	-	-	-	3.62	2.90	2.37	1.95	1.71	1.52	1.37	1.24	1.10	1.01	0.99
-1.00	-	-	-	-	3.38	2.75	2.31	1.90	1.69	1.50	1.35	1.21	1.10	1.03	-
-2.00	-	-	5.52	4.12	3.33	2.72	2.29	1.93	1.68	1.50	1.34	1.22	1.14	-	-
-3.00	11.58k	7.26	5.28	4.09	3.28	2.70	2.27	1.97	1.72	1.53	1.37	1.37	-	-	-
-4.00	-	-	5.42	4.15	3.37	2.83	2.45	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2FU Level-50 (Maximum Loads)	Hitch	RAIL	+/- 130° - +/- 140° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.01	2.94a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.94	2.55	2.23	1.90	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	2.90	2.56	2.23	1.94	1.67	1.43	-	-
5.00	-	-	-	-	2.96a	3.27a	3.26a	2.94	2.55	2.23	1.96	1.70	1.45	1.26	-
4.00	-	-	-	-	4.33	3.90	3.31	2.87	2.48	2.18	1.94	1.70	1.47	1.26	1.08
3.00	-	-	-	-	4.52	3.85	3.24	2.74	2.46	2.16	1.92	1.70	1.46	1.26	1.08
2.00	-	-	-	-	4.58	3.79	3.19	2.75	2.42	2.15	1.92	1.68	1.43	1.24	1.06
1.00	-	-	-	-	4.46	3.78	3.18	2.76	2.40	2.13	1.85	1.60	1.40	1.20	1.04
0.00	-	-	-	-	3.76	3.61	3.07	2.61	2.33	2.04	1.80	1.55	1.33	1.16	1.01
-1.00	-	-	-	-	3.97	3.50	2.97	2.53	2.23	1.96	1.68	1.46	1.27	1.11	-
-2.00	-	-	6.02	5.26	4.17	3.43	2.90	2.49	2.13	1.84	1.59	1.39	1.24	-	-
-3.00	12.00	8.82	7.17	5.32	4.16	3.46	2.84	2.40	2.06	1.77	1.56	1.38	-	-	-
-4.00	-	-	6.39	5.12	4.14	3.34	2.81	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2GU Level-50 (Minimum Loads)	Hitch	RAIL	+/- 140° - +/- 160° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	2.95	2.43a	1.77a	1.78a	1.74	1.67	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	2.90	2.54	1.99a	1.72a	1.72a	1.54	1.49	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	2.82	2.42	2.12	1.70a	1.68	1.52	1.36	1.33
3.00	-	-	-	-	4.40	3.56	2.92	2.65	2.33	2.08	1.73a	1.63	1.47	1.33	1.27
2.00	-	-	-	-	4.34	3.52	2.89	2.49	2.18	2.00	1.79	1.60	1.43	1.30	1.22
1.00	-	-	-	-	4.23	3.49	2.91	2.40	2.14	1.91	1.73	1.55	1.40	1.27	1.22
0.00	-	-	-	-	4.26	3.44	2.84	2.37	2.09	1.87	1.69	1.53	1.37	1.26	1.24
-1.00	-	-	-	-	4.01	3.29	2.79	2.32	2.07	1.84	1.66	1.50	1.37	1.29	-
-2.00	-	-	6.48	4.87	3.96	3.26	2.77	2.35	2.06	1.84	1.66	1.51	1.41	-	-
-3.00	11.58k	8.49	6.22	4.84	3.91	3.24	2.74	2.39	2.10	1.88	1.69	1.68	-	-	-
-4.00	-	-	6.36	4.90	4.00	3.37	2.94	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2GU Level-50 (Maximum Loads)	Hitch	RAIL	+/- 140° - +/- 160° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	2.97	2.60	2.24	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.14a	2.98	2.61	2.28	1.98	1.72	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.33	2.96	2.60	2.30	2.01	1.74	1.53	-
4.00	-	-	-	-	4.97	4.36	3.77	3.34	2.90	2.56	2.29	2.01	1.76	1.53	1.33
3.00	-	-	-	-	5.25	4.48	3.78	3.21	2.88	2.54	2.27	2.01	1.75	1.53	1.33
2.00	-	-	-	-	5.32	4.42	3.72	3.21	2.83	2.52	2.26	1.98	1.72	1.51	1.31
1.00	-	-	-	-	5.19	4.40	3.71	3.23	2.81	2.50	2.20	1.92	1.69	1.47	1.29
0.00	-	-	-	-	4.41	4.23	3.60	3.07	2.75	2.41	2.14	1.86	1.63	1.43	1.26
-1.00	-	-	-	-	4.68	4.13	3.50	3.00	2.65	2.34	2.03	1.77	1.56	1.38	-
-2.00	-	-	7.06	6.19	4.91	4.05	3.43	2.96	2.55	2.21	1.93	1.71	1.53	-	-
-3.00	12.00	10.28	8.39	6.24	4.90	4.08	3.37	2.88	2.48	2.15	1.90	1.69	-	-	-
-4.00	-	-	7.49	6.01	4.88	3.96	3.34	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2HU Level-50 (Minimum Loads)	Hitch	RAIL	+/- 160° - +/- 180° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	9.03b	7.07b	5.79b	5.04k	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	10.89k	9.03b	7.48b	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	10.93k	10.93k	7.15a	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	12.00	12.00	11.36k	11.43k	9.42a	6.29a	5.47a	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	11.61b	9.51a	7.98a	6.40a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2HU Level-50 (Maximum Loads)	Hitch	RAIL	+/- 160° - +/- 180° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	7.11b	5.53a	4.57a	4.52a	4.27a	4.04a	3.60a	3.09a	1.78a
3.00	-	-	-	-	7.68b	8.06b	8.16b	7.97b	6.42b	5.77b	4.88a	4.91k	4.30a	3.56a	2.44a
2.00	-	-	-	-	7.71b	7.93b	8.06b	8.00b	7.36b	6.49b	5.71b	4.93b	4.89b	4.11a	2.72a
1.00	-	-	-	-	8.87b	8.93b	8.71b	8.21b	7.57b	6.80b	6.02b	5.53b	4.94b	4.40a	2.94a
0.00	-	-	-	-	10.93b	10.34b	9.46b	8.71b	7.67b	6.83b	6.16b	5.59b	4.94a	4.45a	2.35a
-1.00	-	-	-	-	12.00	12.00b	10.17b	8.88b	7.73b	6.90k	6.20b	5.57b	4.76k	3.74a	-
-2.00	-	-	12.00	12.00	12.00	12.00	10.33b	8.93b	7.90b	6.95b	6.09b	4.68k	4.47a	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	12.00	10.32b	8.66b	7.44b	6.25b	4.98b	3.96a	-	-	-
-4.00	-	-	12.00	12.00	11.62b	9.48b	7.96b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2AL Level-50 (Minimum Loads)	Hitch	RAIL	+/- 10° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	9.03b	7.07b	5.79b	5.04k	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	10.74	8.71	7.38	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	10.93k	10.66	7.15a	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	11.58k	10.99k	11.36k	11.43k	9.42a	6.29a	5.47a	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	11.61b	9.51a	7.98a	6.40a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2AL Level-50 (Maximum Loads)	Hitch	RAIL	+/- 10° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	7.11b	5.53a	4.57a	4.52a	4.27a	4.04a	3.60a	3.09a	1.78a
3.00	-	-	-	-	7.68b	8.06b	8.07	7.50	6.19b	5.64b	4.87	4.62	4.14	3.56a	2.44a
2.00	-	-	-	-	7.71b	7.93b	8.06b	7.47	6.51	5.77	5.07	4.66	4.17	3.75a	2.72a
1.00	-	-	-	-	8.87b	8.93b	8.68	7.49b	6.51	5.76b	5.08	4.63	4.13	3.71	2.94a
0.00	-	-	-	-	10.93b	10.16	8.67	7.52	6.58	5.80b	5.03	4.59	4.09	3.66	2.35a
-1.00	-	-	-	-	12.00	10.80b	8.94	7.65	6.64	5.74	4.99	4.48	4.04	3.61a	-
-2.00	-	-	12.00	12.00	12.00	10.76	8.90	7.58	6.54	5.62	4.96	4.38	3.98	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	10.71	8.81	7.43	6.39	5.57	4.90	3.96a	-	-	-
-4.00	-	-	12.00	12.00	11.62b	9.48b	7.96b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2BL Level-50 (Minimum Loads)	Hitch	RAIL	+/- 10° - +/- 40° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.69	1.65
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.63	1.53
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.11	2.78a	1.82a	1.81a	1.80	1.58	1.46
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.04	2.65	1.92a	1.92a	1.76	1.53	1.46
0.00	-	-	-	-	7.26	5.48	4.32	3.46	2.97	2.57a	2.25a	1.97	1.71	1.53	1.48
-1.00	-	-	-	-	6.77	5.20	4.22	3.38	2.93	2.54	2.21	1.92	1.71	1.57	-
-2.00	-	-	12.00	8.95	6.68	5.16	4.18	3.32k	2.92	2.53	2.21	1.94	1.78	-	-
-3.00	12.00	10.99k	11.36k	8.92	6.57	5.13	4.14	3.49	2.98	2.60	2.26	2.25	-	-	-
-4.00	-	-	12.00	9.02	6.76	5.37	4.49	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2BL Level-50 (Maximum Loads)	Hitch	RAIL	+/- 10° - +/- 40° Over Osc End		90%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.72	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.59a	3.20	2.76	2.34	1.97	-
4.00	-	-	-	-	6.81b	6.67	5.89b	4.44	4.13	3.70	3.22	2.78	2.36	1.98	1.65
3.00	-	-	-	-	7.62b	7.25	5.95	4.94	4.22k	3.65	3.21b	2.77	2.34	1.96	1.65
2.00	-	-	-	-	7.59	7.30	5.84	4.82b	4.11	3.62	3.19b	2.74	2.30	1.93	1.61
1.00	-	-	-	-	8.11b	7.19	5.81	4.87	4.08	3.61	3.12	2.66	2.22	1.87	1.57
0.00	-	-	-	-	7.61	7.17	5.76	4.69	4.04	3.49	3.00	2.56	2.14	1.81	1.53
-1.00	-	-	-	-	8.41	6.99	5.59	4.58	3.92	3.36	2.84	2.40	2.03	1.72	-
-2.00	-	-	12.00	12.00	9.04	6.83	5.46	4.51	3.76	3.16	2.69	2.28	1.98	-	-
-3.00	12.00	12.00	12.00	12.00	8.97	6.89	5.35	4.37	3.64	3.06	2.64	2.26	-	-	-
-4.00	-	-	12.00	12.00	8.97	6.66	5.30	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2CL Level-50 (Minimum Loads)	Hitch	RAIL	+/- 40° - +/- 60° Over Osc End		90%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.75	1.70a	1.69a	1.70a	1.55	1.52
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.06	2.69	1.73a	1.75a	1.73a	1.50	1.41
2.00	-	-	-	-	5.86b	4.92b	3.94	3.13k	2.83	2.57	1.82a	1.81a	1.66	1.46	1.35
1.00	-	-	-	-	5.79b	4.88b	3.97	3.17	2.77	2.41	1.92a	1.84	1.62	1.41	1.34
0.00	-	-	-	-	6.24	4.82	3.86	3.12	2.70	2.34	2.06	1.80	1.57	1.40	1.36
-1.00	-	-	-	-	5.82	4.58	3.77	3.05	2.66	2.30	2.02	1.76	1.56	1.44	-
-2.00	-	-	10.91	7.43	5.74	4.54	3.73	3.08	2.65	2.29	2.01	1.77	1.63	-	-
-3.00	11.58k	10.99k	10.31	7.40	5.65	4.51	3.69	3.16	2.71	2.35	2.06	2.05	-	-	-
-4.00	-	-	10.62	7.49	5.81	4.72	4.00	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2CL Level-50 (Maximum Loads)	Hitch	RAIL	+/- 40° - +/- 60° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.24a	2.93	2.52	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.60a	3.44	3.01	2.56	2.15	1.81	-
4.00	-	-	-	-	6.81b	6.39	5.26	4.21	3.89b	3.42	2.99	2.58	2.17	1.83	1.52
3.00	-	-	-	-	7.40	6.46b	5.25	4.43	3.88b	3.36	2.98	2.58	2.15	1.82a	1.52
2.00	-	-	-	-	7.24b	6.38	5.26	4.42	3.78	3.36	2.97	2.53	2.12	1.79	1.49
1.00	-	-	-	-	7.45	6.38	5.27	4.37	3.79b	3.33	2.87	2.44	2.04	1.72	1.44
0.00	-	-	-	-	6.51	6.18	5.09	4.21	3.66	3.19	2.76	2.35	1.97	1.66	1.40
-1.00	-	-	-	-	7.06	6.02	4.93	4.10	3.55	3.08	2.61	2.20	1.86	1.58	-
-2.00	-	-	12.00	10.24	7.51	5.89	4.81	4.04	3.40	2.89	2.45	2.09	1.81	-	-
-3.00	12.00	12.00	12.00	10.35	7.47	5.94	4.72	3.91	3.29	2.79	2.40	2.06	-	-	-
-4.00	-	-	12.00	9.83	7.46	5.74	4.67	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2DL Level-50 (Minimum Loads)	Hitch	RAIL	+/- 60° - +/- 120°		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.64	1.56	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.01	2.54	1.70a	1.69a	1.60	1.36	1.33
3.00	-	-	-	-	5.95b	4.86	3.39k	3.12k	2.86	2.47	1.73a	1.75a	1.53	1.31	1.22
2.00	-	-	-	-	5.86b	4.78	3.72	3.07	2.60	2.34	1.82a	1.71	1.46	1.26	1.16
1.00	-	-	-	-	5.79b	4.73	3.75	2.94	2.53	2.17	1.90	1.63	1.41	1.21	1.16
0.00	-	-	-	-	6.14	4.64	3.64	2.90	2.46	2.11	1.83	1.59	1.36	1.21	1.17
-1.00	-	-	-	-	5.68	4.37	3.54	2.82	2.42	2.06	1.79	1.54	1.36	1.24	-
-2.00	-	-	11.50	7.44	5.59	4.32	3.51	2.85	2.40	2.06	1.78	1.56	1.42	-	-
-3.00	11.58k	10.99k	10.78	7.40	5.49	4.29	3.47	2.93	2.47	2.12	1.83	1.83	-	-	-
-4.00	-	-	11.14	7.50	5.67	4.53	3.79	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2DL Level-50 (Maximum Loads)	Hitch	RAIL	+/- 60° - +/- 120°		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.22	2.77a	2.34	1.92	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.56a	3.28	2.83	2.36	1.95a	1.63	-
4.00	-	-	-	-	6.81b	6.31	5.10	4.06	3.72	3.23	2.82	2.39	1.99	1.64	1.33
3.00	-	-	-	-	7.40	6.46b	5.17b	4.25	3.70	3.20	2.79	2.37	1.98	1.63	1.33
2.00	-	-	-	-	7.24b	6.29	5.11	4.26	3.64	3.17	2.79	2.32	1.92	1.60	1.30
1.00	-	-	-	-	7.46	6.33	5.11	4.19	3.60	3.14	2.68	2.23	1.87	1.52	1.25
0.00	-	-	-	-	6.43	6.08	4.92	4.02	3.51	3.00	2.55	2.13	1.76	1.46	1.21
-1.00	-	-	-	-	7.02	5.89	4.75	3.90	3.35	2.87	2.38	1.98	1.65	1.38	-
-2.00	-	-	12.00	10.69	7.53	5.75	4.62	3.84	3.19	2.67	2.22	1.86	1.60	-	-
-3.00	12.00	12.00	12.00	10.83	7.48	5.81	4.52	3.69	3.07	2.56	2.17	1.84	-	-	-
-4.00	-	-	12.00	10.19	7.47	5.59	4.47	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2EL Level-50 (Minimum Loads)	Hitch	RAIL	+/- 120° - +/- 130° Over Fixed End		75%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	2.96	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	7.07	5.56	4.53	3.75	3.11k	2.57a	2.25a	2.19a	2.07a	1.93	1.89
-1.00	-	-	-	-	6.70	5.35	4.46	3.57k	3.12k	2.71a	2.57	2.30	2.10	1.97	-
-2.00	-	-	12.00	8.51	6.64	5.33	4.43	3.32k	3.17k	2.86	2.56	2.32	2.16	-	-
-3.00	11.58k	10.99k	11.36k	8.50	6.55	5.30	4.39	3.78	3.28	2.91	2.60	2.59	-	-	-
-4.00	-	-	12.00	8.56	6.70	5.49	4.68	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2EL Level-50 (Maximum Loads)	Hitch	RAIL	+/- 120° - +/- 130° Over Fixed End		75%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.91	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.59a	3.34	2.95	2.58	2.28	-
4.00	-	-	-	-	6.81b	6.64b	5.89	4.56	4.18k	3.77	3.38	2.96a	2.60	2.29	1.78a
3.00	-	-	-	-	7.62b	7.05	5.91	5.00	4.26	3.77	3.36b	2.95	2.59	2.28	1.99
2.00	-	-	-	-	7.53	7.12	5.84b	4.89	4.25	3.75	3.36b	2.93	2.55	2.25	1.99
1.00	-	-	-	-	7.89b	7.06	5.79	4.94	4.22	3.77	3.30a	2.85	2.51	2.21	1.96
0.00	-	-	-	-	7.36	6.98	5.76	4.79	4.19	3.67	3.21	2.78	2.46	2.15	1.93
-1.00	-	-	-	-	8.06	6.85	5.63	4.72	4.10	3.57	3.09	2.70	2.38	2.11	-
-2.00	-	-	12.00	11.62	8.56	6.74	5.53	4.67	3.98	3.41	2.97	2.62	2.34	-	-
-3.00	12.00	12.00	12.00	11.73	8.51	6.79	5.45	4.56	3.88	3.33	2.93	2.60	-	-	-
-4.00	-	-	12.00	11.14	8.51	6.61	5.42	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2FL Level-50 (Minimum Loads)	Hitch	RAIL	+/- 130° - +/- 140° Over Fixed End		75%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	8.34	6.49	5.25	4.33	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	7.94	6.26	5.18	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	10.29	7.87	6.24	5.14	3.32k	3.17k	3.07a	2.93a	2.62a	2.47	-	-
-3.00	11.58k	10.99k	11.36k	10.30	7.77	6.22	5.10	4.26k	3.65k	3.13k	2.97	2.96	-	-	-
-4.00	-	-	12.00	10.35	7.94	6.42	5.43	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2FL Level-50 (Maximum Loads)	Hitch	RAIL	+/- 130° - +/- 140° Over Fixed End		75%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.31	2.89	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	6.15	5.16	4.52a	4.26	3.76	3.32	2.92	2.58	1.78a
3.00	-	-	-	-	7.68b	7.80b	6.76	5.68	4.80	4.22	3.76	3.31	2.91	2.57	2.26
2.00	-	-	-	-	7.71b	7.73	6.70	5.63	4.82	4.22	3.75	3.29	2.88	2.55	2.25
1.00	-	-	-	-	8.73b	8.02	6.67	5.61	4.79	4.22	3.71	3.22a	2.85	2.49	2.23
0.00	-	-	-	-	8.71	8.23	6.69	5.51	4.77	4.18	3.65	3.16	2.77	2.45	2.19
-1.00	-	-	-	-	9.68	8.10	6.56	5.45	4.66	4.07	3.50	3.07	2.70a	2.40	-
-2.00	-	-	12.00	12.00	10.35	7.97	6.44	5.39	4.57	3.88	3.39	2.99	2.67	-	-
-3.00	12.00	12.00	12.00	12.00	10.29	8.02	6.35	5.29	4.47	3.82	3.36	2.97	-	-	-
-4.00	-	-	12.00	12.00	10.28	7.82	6.33	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2GL Level-50 (Minimum Loads)	Hitch	RAIL	+/- 140° - +/- 160° Over Fixed End		75%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	9.03b	7.07b	5.79b	5.01	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	8.75	7.05	5.93	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	10.93k	8.69	7.04	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	11.58k	10.99k	11.36k	11.08	8.59	6.29a	5.47a	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	11.12	8.75	7.21	6.17	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2GL Level-50 (Maximum Loads)	Hitch	RAIL	+/- 140° - +/- 160° Over Fixed End		75%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	6.80	5.53a	4.57a	4.48	4.21	3.79	3.35	3.01	1.78a
3.00	-	-	-	-	7.68b	8.06b	7.40	6.27	5.42	4.68	4.25	3.80	3.37	3.02	2.44a
2.00	-	-	-	-	7.71b	7.89b	7.34	6.21	5.41	4.68	4.24	3.79	3.35	2.99	2.69a
1.00	-	-	-	-	8.87b	8.81	7.37	6.18	5.41	4.68	4.25	3.73	3.30	2.97	2.66
0.00	-	-	-	-	9.46	8.78	7.39	6.13b	5.43	4.78	4.15	3.68	3.28	2.92	2.35a
-1.00	-	-	-	-	10.47	8.89	7.32	6.16	5.33	4.58	4.08	3.60	3.20	2.88	-
-2.00	-	-	12.00	12.00	11.12	8.78	7.21	6.11	5.24	4.49	3.94	3.53	3.16	-	-
-3.00	12.00	12.00	12.00	12.00	11.06	8.73	7.13	6.01	5.13	4.44	3.89	3.51	-	-	-
-4.00	-	-	12.00	12.00	11.05	8.63	7.11	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2HL Level-50 (Minimum Loads)	Hitch	RAIL	+/- 160° - +/- 180° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	9.03b	7.07b	5.79b	5.04k	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	10.89k	9.03b	7.48b	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	10.93k	10.93k	7.15a	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	12.00	12.00	11.36k	11.43k	9.42a	6.29a	5.47a	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	11.61b	9.51a	7.98a	6.40a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
2HL Level-50 (Maximum Loads)	Hitch	RAIL	+/- 160° - +/- 180° Over Fixed End		90%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	7.11b	5.53a	4.57a	4.52a	4.27a	4.04a	3.60a	3.09a	1.78a
3.00	-	-	-	-	7.68b	8.06b	8.16b	7.97b	6.42b	5.77b	4.88a	4.91k	4.30a	3.56a	2.44a
2.00	-	-	-	-	7.71b	7.93b	8.06b	8.00b	7.36b	6.49b	5.71b	4.93b	4.89b	4.11a	2.72a
1.00	-	-	-	-	8.87b	8.93b	8.71b	8.21b	7.57b	6.80b	6.02b	5.53b	4.94b	4.40a	2.94a
0.00	-	-	-	-	10.93b	10.34b	9.46b	8.71b	7.67b	6.83b	6.16b	5.59b	4.94a	4.45a	2.35a
-1.00	-	-	-	-	12.00	12.00b	10.17b	8.88b	7.73b	6.90k	6.20b	5.57b	4.76k	3.74a	-
-2.00	-	-	12.00	12.00	12.00	12.00	10.33b	8.93b	7.90b	6.95b	6.09b	4.68k	4.47a	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	12.00	10.32b	8.66b	7.44b	6.25b	4.98b	3.96a	-	-	-
-4.00	-	-	12.00	12.00	11.62b	9.48b	7.96b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AU 50-100 (Minimum Loads)	Hitch	CANT	+/- 10° Over Osc End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.04	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	2.93	2.58	1.70a	1.69a	1.70a	1.70a	1.69
3.00	-	-	-	-	5.17	4.24	3.39k	3.12k	2.84	2.54	1.73a	1.75a	1.73a	1.68	1.61
2.00	-	-	-	-	5.11	4.20	3.50	3.05	2.69	2.47	1.82a	1.81a	1.80	1.65	1.57
1.00	-	-	-	-	5.00	4.17	3.53	2.96	2.65	2.38	1.92a	1.92a	1.78	1.62	1.57
0.00	-	-	-	-	5.02	4.12	3.46	2.93	2.60	2.34	2.12	1.93	1.75	1.62	1.58
-1.00	-	-	-	-	4.78	3.97	3.40	2.88	2.58	2.31	2.10	1.90	1.75	1.65	-
-2.00	-	-	7.52	5.75	4.73	3.95	3.38	2.91	2.57	2.31	2.09	1.91	1.80	-	-
-3.00	11.58k	9.69	7.24	5.73	4.68	3.93	3.36	2.95	2.61	2.35	2.12	2.11	-	-	-
-4.00	-	-	7.39	5.78	4.77	4.06	3.56	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AU 50-100 (Maximum Loads)	Hitch	CANT	+/- 10° Over Osc End		67%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.09	2.71	2.41	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.44	3.10	2.75a	2.42	2.13	1.90	-
4.00	-	-	-	-	5.77	5.10	4.37	3.87	3.45	3.06	2.74	2.44	2.15	1.90	1.69
3.00	-	-	-	-	6.10	5.23	4.45	3.81	3.42	3.04	2.73	2.43	2.14	1.89	1.69
2.00	-	-	-	-	6.18	5.17	4.39	3.81	3.38	3.02	2.72	2.40	2.12	1.88a	1.67
1.00	-	-	-	-	6.03	5.16	4.38	3.83	3.35	3.00	2.66	2.35	2.07	1.84	1.64
0.00	-	-	-	-	5.19	4.99	4.27	3.67	3.30	2.91	2.58	2.29	2.02	1.80	1.62
-1.00	-	-	-	-	5.53	4.89	4.18	3.60	3.20	2.84	2.49	2.20	1.96	1.76	-
-2.00	-	-	8.15	7.21	5.79	4.81	4.10	3.57	3.10	2.71	2.39	2.14	1.93	-	-
-3.00	12.00	11.56	9.58	7.26	5.76	4.84	4.05	3.49	3.03	2.65	2.37	2.12	-	-	-
-4.00	-	-	8.61	7.01	5.76	4.73	4.02	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3BU 50-100 (Minimum Loads)	Hitch	CANT	+/- 10° - +/- 40° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.08	2.00	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.11	1.79	1.56	1.40	-	-	-	-
6.00	-	-	-	-	-	-	2.51	2.09	1.80	1.56	1.33	1.15	1.10	-	-
5.00	-	-	-	-	2.75a	2.79	2.37	2.03	1.76	1.52	1.32	1.14	0.99	0.95	-
4.00	-	-	-	-	3.16a	2.65	2.26	1.95	1.65	1.42	1.26	1.09	0.97	0.85	0.83
3.00	-	-	-	-	3.05	2.44	1.95	1.75	1.56	1.38	1.20	1.04	0.93	0.82	0.77
2.00	-	-	-	-	3.01	2.40	1.92	1.61	1.40	1.29	1.15	1.01	0.89	0.79	0.74
1.00	-	-	-	-	2.91	2.37	1.93	1.55	1.36	1.21	1.09	0.96	0.86	0.76	0.73
0.00	-	-	-	-	2.93	2.31	1.88	1.52	1.33	1.17	1.05	0.94	0.83	0.76	0.74
-1.00	-	-	-	-	2.69	2.17	1.81	1.47	1.30	1.15	1.03	0.92	0.83	0.77	-
-2.00	-	-	4.39	3.28	2.65	2.14	1.79	1.49	1.30	1.15	1.03	0.92	0.86	-	-
-3.00	10.60	5.72	4.19	3.24	2.60	2.12	1.77	1.53	1.33	1.18	1.05	1.05	-	-	-
-4.00	-	-	4.31	3.31	2.69	2.25	1.95	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3BU 50-100 (Maximum Loads)	Hitch	CANT	+/- 10° - +/- 40° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.70a	2.44	2.06	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.44	2.11	1.83	1.54	-	-	-	-
6.00	-	-	-	-	-	-	2.51	2.40	2.12	1.84	1.60	1.35	1.13	-	-
5.00	-	-	-	-	2.96a	3.13a	2.75	2.43	2.10	1.83	1.60	1.38	1.16	0.99	-
4.00	-	-	-	-	3.70	3.24	2.73	2.36	2.04	1.79	1.59	1.38	1.17	0.99	0.83
3.00	-	-	-	-	3.68	3.16	2.66	2.25	2.01	1.77	1.57	1.38	1.17	0.99	0.83
2.00	-	-	-	-	3.73	3.10	2.61	2.25	1.97	1.75	1.57	1.35	1.14	0.97	0.81
1.00	-	-	-	-	3.64	3.09	2.59	2.26	1.96	1.73	1.50	1.28	1.10	0.93	0.79
0.00	-	-	-	-	3.04	2.92	2.49	2.12	1.89	1.65	1.45	1.23	1.04	0.89	0.76
-1.00	-	-	-	-	3.17	2.82	2.39	2.03	1.80	1.57	1.33	1.14	0.98	0.84	-
-2.00	-	-	4.77	4.18	3.33	2.74	2.32	2.00	1.70	1.45	1.24	1.07	0.95	-	-
-3.00	10.97	6.90	5.65	4.23	3.32	2.77	2.27	1.91	1.63	1.39	1.21	1.06	-	-	-
-4.00	-	-	5.06	4.07	3.30	2.66	2.23	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3CU 50-100 (Minimum Loads)	Hitch	CANT	+/- 40° - +/- 60° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30	1.89	1.81	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.91	1.59	1.37	1.21	-	-	-	-
6.00	-	-	-	-	-	-	2.32	1.89	1.61	1.37	1.15	0.97	0.92	-	-
5.00	-	-	-	-	2.75a	2.60	2.17	1.83	1.57	1.33	1.13	0.96	0.82	0.78	-
4.00	-	-	-	-	2.98	2.44	2.05	1.74	1.44	1.22	1.07	0.91	0.80	0.68	0.66
3.00	-	-	-	-	2.85	2.22	1.72	1.53	1.35	1.18	1.01	0.86	0.75	0.65	0.61
2.00	-	-	-	-	2.81	2.17	1.69	1.38	1.18	1.08	0.95	0.82	0.71	0.62	0.55
1.00	-	-	-	-	2.70	2.14	1.70	1.31	1.14	1.00	0.89	0.77	0.68	0.58	0.55
0.00	-	-	-	-	2.72	2.07	1.64	1.28	1.10	0.96	0.85	0.76	0.65	0.58	0.55
-1.00	-	-	-	-	2.46	1.93	1.57	1.24	1.08	0.94	0.83	0.73	0.65	0.60	-
-2.00	-	-	4.30	3.07	2.41	1.89	1.54	1.26	1.07	0.93	0.83	0.73	0.68	-	-
-3.00	11.58k	5.90	4.08	3.03	2.36	1.87	1.53	1.30	1.11	0.97	0.85	0.85	-	-	-
-4.00	-	-	4.22	3.10	2.45	2.01	1.71	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety
3CU 50-100 (Maximum Loads)	Hitch	CANT	+/- 40° - +/- 60° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.55	2.25	1.86	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.25	1.91	1.64	1.35	-	-	-	-
6.00	-	-	-	-	-	-	2.32	2.21	1.92	1.65	1.41	1.17	0.96	-	-
5.00	-	-	-	-	2.96a	2.96	2.56	2.24	1.91	1.64	1.41	1.19	0.98	0.82	-
4.00	-	-	-	-	3.55	3.07	2.54	2.16	1.84	1.60	1.40	1.20	1.00	0.82	0.66
3.00	-	-	-	-	3.53	2.97	2.46	2.05	1.81	1.57	1.38	1.20	0.99	0.82	0.66
2.00	-	-	-	-	3.58	2.91	2.40	2.04	1.77	1.56	1.38	1.17	0.96	0.80	0.64
1.00	-	-	-	-	3.48	2.89	2.39	2.05	1.76	1.54	1.31	1.10	0.92	0.75	0.62
0.00	-	-	-	-	2.83	2.71	2.27	1.90	1.68	1.44	1.25	1.04	0.86	0.71	0.58
-1.00	-	-	-	-	2.96	2.59	2.16	1.81	1.58	1.37	1.14	0.95	0.80	0.66	-
-2.00	-	-	4.74	4.06	3.13	2.52	2.09	1.77	1.48	1.24	1.04	0.88	0.76	-	-
-3.00	12.00	7.44	5.81	4.12	3.12	2.55	2.03	1.67	1.40	1.17	1.00	0.86	-	-	-
-4.00	-	-	5.09	3.94	3.10	2.43	1.99	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DU 50-100 (Minimum Loads)	Hitch	CANT	+/- 60° - +/- 120°		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30	1.89	1.81	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.91	1.59	1.37	1.21	-	-	-	-
6.00	-	-	-	-	-	-	2.32	1.89	1.61	1.37	1.15	0.97	0.92	-	-
5.00	-	-	-	-	2.75a	2.60	2.17	1.83	1.57	1.33	1.13	0.96	0.82	0.78	-
4.00	-	-	-	-	2.98	2.44	2.05	1.74	1.44	1.22	1.07	0.91	0.80	0.68	0.66
3.00	-	-	-	-	2.85	2.22	1.72	1.53	1.35	1.18	1.01	0.86	0.75	0.65	0.61
2.00	-	-	-	-	2.81	2.17	1.69	1.38	1.18	1.08	0.95	0.82	0.71	0.62	0.55
1.00	-	-	-	-	2.70	2.14	1.70	1.31	1.14	1.00	0.89	0.77	0.68	0.58	0.55
0.00	-	-	-	-	2.72	2.07	1.64	1.28	1.10	0.96	0.85	0.76	0.65	0.58	0.55
-1.00	-	-	-	-	2.46	1.93	1.57	1.24	1.08	0.94	0.83	0.73	0.65	0.60	-
-2.00	-	-	4.30	3.07	2.41	1.89	1.54	1.26	1.07	0.93	0.83	0.73	0.68	-	-
-3.00	11.58k	5.90	4.08	3.03	2.36	1.87	1.53	1.30	1.11	0.97	0.85	0.85	-	-	-
-4.00	-	-	4.22	3.10	2.45	2.01	1.71	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DU 50-100 (Maximum Loads)	Hitch	CANT	+/- 60° - +/- 120°		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.55	2.25	1.86	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.25	1.91	1.64	1.35	-	-	-	-
6.00	-	-	-	-	-	-	2.32	2.21	1.92	1.65	1.41	1.17	0.96	-	-
5.00	-	-	-	-	2.96a	2.96	2.56	2.24	1.91	1.64	1.41	1.19	0.98	0.82	-
4.00	-	-	-	-	3.55	3.07	2.54	2.16	1.84	1.60	1.40	1.20	1.00	0.82	0.66
3.00	-	-	-	-	3.53	2.97	2.46	2.05	1.81	1.57	1.38	1.20	0.99	0.82	0.66
2.00	-	-	-	-	3.58	2.91	2.40	2.04	1.77	1.56	1.38	1.17	0.96	0.80	0.64
1.00	-	-	-	-	3.48	2.89	2.39	2.05	1.76	1.54	1.31	1.10	0.92	0.75	0.62
0.00	-	-	-	-	2.83	2.71	2.27	1.90	1.68	1.44	1.25	1.04	0.86	0.71	0.58
-1.00	-	-	-	-	2.96	2.59	2.16	1.81	1.58	1.37	1.14	0.95	0.80	0.66	-
-2.00	-	-	4.74	4.06	3.13	2.52	2.09	1.77	1.48	1.24	1.04	0.88	0.76	-	-
-3.00	12.00	7.44	5.81	4.12	3.12	2.55	2.03	1.67	1.40	1.17	1.00	0.86	-	-	-
-4.00	-	-	5.09	3.94	3.10	2.43	1.99	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EU 50-100 (Minimum Loads)	Hitch	CANT	+/- 120° - +/- 130° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.08	2.00	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.11	1.79	1.56	1.40	-	-	-	-
6.00	-	-	-	-	-	-	2.51	2.09	1.80	1.56	1.33	1.15	1.10	-	-
5.00	-	-	-	-	2.75a	2.79	2.37	2.03	1.76	1.52	1.32	1.14	0.99	0.95	-
4.00	-	-	-	-	3.16a	2.66	2.26	1.95	1.65	1.42	1.26	1.09	0.97	0.85	0.83
3.00	-	-	-	-	3.05	2.44	1.95	1.75	1.56	1.38	1.20	1.04	0.93	0.82	0.77
2.00	-	-	-	-	3.01	2.40	1.92	1.61	1.40	1.29	1.15	1.01	0.89	0.79	0.74
1.00	-	-	-	-	2.91	2.37	1.93	1.55	1.36	1.21	1.09	0.96	0.86	0.76	0.73
0.00	-	-	-	-	2.93	2.31	1.88	1.52	1.33	1.17	1.05	0.94	0.83	0.76	0.74
-1.00	-	-	-	-	2.69	2.17	1.81	1.47	1.30	1.15	1.03	0.92	0.83	0.77	-
-2.00	-	-	4.39	3.28	2.65	2.14	1.79	1.49	1.30	1.15	1.03	0.92	0.86	-	-
-3.00	10.60	5.72	4.19	3.24	2.60	2.12	1.77	1.53	1.33	1.18	1.05	1.05	-	-	-
-4.00	-	-	4.31	3.31	2.69	2.25	1.95	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EU 50-100 (Maximum Loads)	Hitch	CANT	+/- 120° - +/- 130° Over Fixed End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.70a	2.44	2.06	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.44	2.11	1.83	1.54	-	-	-	-
6.00	-	-	-	-	-	-	2.51	2.40	2.12	1.84	1.60	1.35	1.13	-	-
5.00	-	-	-	-	2.96a	3.13a	2.75	2.43	2.10	1.83	1.60	1.38	1.16	0.99	-
4.00	-	-	-	-	3.70	3.24	2.73	2.36	2.04	1.79	1.59	1.38	1.17	0.99	0.83
3.00	-	-	-	-	3.68	3.16	2.66	2.25	2.01	1.77	1.57	1.38	1.17	0.99	0.83
2.00	-	-	-	-	3.73	3.10	2.61	2.25	1.97	1.75	1.57	1.35	1.14	0.97	0.81
1.00	-	-	-	-	3.64	3.09	2.59	2.26	1.96	1.73	1.50	1.28	1.10	0.93	0.79
0.00	-	-	-	-	3.04	2.92	2.49	2.12	1.89	1.65	1.45	1.23	1.04	0.89	0.76
-1.00	-	-	-	-	3.17	2.82	2.39	2.03	1.80	1.57	1.33	1.14	0.98	0.84	-
-2.00	-	-	4.77	4.18	3.33	2.74	2.32	2.00	1.70	1.45	1.24	1.07	0.95	-	-
-3.00	10.97	6.90	5.65	4.23	3.32	2.77	2.27	1.91	1.63	1.39	1.21	1.06	-	-	-
-4.00	-	-	5.06	4.08	3.30	2.66	2.23	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FU 50-100 (Minimum Loads)	Hitch	CANT	+/- 130° - +/- 140° Over Fixed End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.77	1.59	-	-	-	-
6.00	-	-	-	-	-	-	2.89	2.38	2.05	1.77a	1.51	1.31	1.25	-	-
5.00	-	-	-	-	2.75a	2.89a	2.73	2.32	2.01	1.73	1.50	1.30	1.13	1.09	-
4.00	-	-	-	-	3.16a	3.11	2.63	2.24	1.89	1.62	1.44	1.24	1.11	0.97	0.95
3.00	-	-	-	-	3.62	2.86	2.27	2.04	1.79	1.58	1.38	1.19	1.06	0.94	0.89
2.00	-	-	-	-	3.56	2.81	2.25	1.88	1.63	1.50	1.33	1.16	1.02	0.91	0.85
1.00	-	-	-	-	3.45	2.78	2.26	1.80	1.58	1.40	1.26	1.11	0.99	0.88	0.85
0.00	-	-	-	-	3.47	2.72	2.19	1.78	1.54	1.36	1.22	1.09	0.96	0.88	0.86
-1.00	-	-	-	-	3.21	2.56	2.13	1.73	1.52	1.34	1.19	1.06	0.96	0.90	-
-2.00	-	-	5.49	3.97	3.16	2.53	2.11	1.75	1.51	1.33	1.19	1.07	1.00	-	-
-3.00	11.58k	7.48	5.23	3.94	3.10	2.51	2.08	1.79	1.55	1.37	1.22	1.22	-	-	-
-4.00	-	-	5.38	4.01	3.20	2.65	2.28	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FU 50-100 (Maximum Loads)	Hitch	CANT	+/- 130° - +/- 140° Over Fixed End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.86	2.80	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.80	2.40	2.08	1.75	-	-	-	-
6.00	-	-	-	-	-	-	2.89	2.76	2.41	2.09	1.80	1.53	1.29	-	-
5.00	-	-	-	-	2.96a	3.27a	3.17	2.79	2.40	2.08	1.81	1.56	1.32	1.13	-
4.00	-	-	-	-	4.22	3.80	3.17	2.71	2.33	2.04	1.80	1.56	1.33	1.13	0.95
3.00	-	-	-	-	4.41	3.72	3.09	2.59	2.30	2.01	1.78	1.56	1.33	1.13	0.95
2.00	-	-	-	-	4.48	3.65	3.03	2.59	2.26	1.99	1.78	1.53	1.29	1.11	0.93
1.00	-	-	-	-	4.35	3.64	3.02	2.60	2.24	1.98	1.71	1.46	1.26	1.06	0.91
0.00	-	-	-	-	3.61	3.45	2.91	2.44	2.17	1.88	1.65	1.40	1.19	1.02	0.88
-1.00	-	-	-	-	3.82	3.34	2.80	2.36	2.07	1.80	1.53	1.31	1.13	0.97	-
-2.00	-	-	6.04	5.21	4.03	3.26	2.72	2.32	1.96	1.67	1.43	1.24	1.09	-	-
-3.00	12.00	9.37	7.37	5.26	4.02	3.29	2.66	2.23	1.89	1.61	1.40	1.23	-	-	-
-4.00	-	-	6.47	5.05	4.00	3.17	2.63	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3GU 50-100 (Minimum Loads)	Hitch	CANT	+/- 140° - +/- 160° Over Fixed End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.87	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	2.68	2.34	1.77a	1.78a	1.58	1.52	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	2.62	2.30	1.99a	1.72a	1.57	1.40	1.35	-
4.00	-	-	-	-	3.16a	3.11k	2.94	2.54	2.19	1.91	1.70a	1.52	1.37	1.23	1.21
3.00	-	-	-	-	3.90	3.18	2.61	2.37	2.10	1.88	1.67	1.47	1.33	1.20	1.14
2.00	-	-	-	-	3.85	3.14	2.59	2.22	1.95	1.81	1.62	1.44	1.29	1.17	1.10
1.00	-	-	-	-	3.75	3.11	2.60	2.14	1.91	1.71	1.56	1.39	1.26	1.14	1.10
0.00	-	-	-	-	3.77	3.06	2.54	2.12	1.87	1.68	1.52	1.37	1.23	1.14	1.11
-1.00	-	-	-	-	3.54	2.92	2.48	2.07	1.85	1.65	1.49	1.35	1.23	1.16	-
-2.00	-	-	5.56	4.25	3.49	2.89	2.46	2.09	1.84	1.65	1.49	1.36	1.27	-	-
-3.00	11.58k	7.11	5.34	4.22	3.44	2.87	2.44	2.14	1.88	1.68	1.52	1.51	-	-	-
-4.00	-	-	5.46	4.28	3.53	3.00	2.62	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3GU 50-100 (Maximum Loads)	Hitch	CANT	+/- 140° - +/- 160° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.08	2.69	2.36	2.03	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.04	2.70	2.37	2.08	1.81	1.56	-	-
5.00	-	-	-	-	2.96a	3.27a	3.35	3.06a	2.69	2.37	2.09	1.83	1.58	1.39	-
4.00	-	-	-	-	4.43	4.01	3.45	3.01	2.63	2.32	2.08	1.84	1.60	1.39	1.21
3.00	-	-	-	-	4.62	3.98	3.38	2.89	2.60	2.30	2.06	1.83	1.59	1.39	1.21
2.00	-	-	-	-	4.67	3.92	3.33	2.89	2.56	2.29	2.06	1.81	1.56	1.37	1.19
1.00	-	-	-	-	4.57	3.91	3.32	2.91	2.54	2.27	1.99	1.74	1.53	1.33	1.16
0.00	-	-	-	-	3.89	3.75	3.22	2.76	2.48	2.18	1.94	1.69	1.47	1.29	1.14
-1.00	-	-	-	-	4.10	3.65	3.12	2.69	2.39	2.11	1.83	1.60	1.41	1.24	-
-2.00	-	-	6.01	5.32	4.29	3.58	3.06	2.65	2.29	1.99	1.74	1.53	1.38	-	-
-3.00	12.00	8.43	7.03	5.37	4.28	3.61	3.00	2.57	2.22	1.93	1.71	1.52	-	-	-
-4.00	-	-	6.34	5.18	4.27	3.50	2.97	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3HU 50-100 (Minimum Loads)	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	9.03b	7.07b	5.79b	5.04k	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	10.89k	9.03b	7.48b	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	10.93k	10.93k	7.15a	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	12.00	12.00	11.36k	11.43k	9.42a	6.29a	5.47a	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	11.61b	9.51a	7.98a	6.40a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3HU 50-100 (Maximum Loads)	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	7.11b	5.53a	4.57a	4.52a	4.27a	4.04a	3.60a	3.09a	1.78a
3.00	-	-	-	-	7.68b	8.06b	8.16b	7.97b	6.42b	5.77b	4.88a	4.91k	4.30a	3.56a	2.44a
2.00	-	-	-	-	7.71b	7.93b	8.06b	8.00b	7.36b	6.49b	5.71b	4.93b	4.89b	4.11a	2.72a
1.00	-	-	-	-	8.87b	8.93b	8.71b	8.21b	7.57b	6.80b	6.02b	5.53b	4.94b	4.40a	2.94a
0.00	-	-	-	-	10.93b	10.34b	9.46b	8.71b	7.67b	6.83b	6.16b	5.59b	4.94a	4.45a	2.35a
-1.00	-	-	-	-	12.00	12.00b	10.17b	8.88b	7.73b	6.90k	6.20b	5.57b	4.76k	3.74a	-
-2.00	-	-	12.00	12.00	12.00	12.00	10.33b	8.93b	7.90b	6.95b	6.09b	4.68k	4.47a	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	12.00	10.32b	8.66b	7.44b	6.25b	4.98b	3.96a	-	-	-
-4.00	-	-	12.00	12.00	11.62b	9.48b	7.96b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AL 50-100 (Minimum Loads)	Hitch	CANT	+/- 10° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	8.51	7.07b	5.79b	5.04k	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	8.18	6.88	5.97	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	9.75	8.12	6.87	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	11.58k	10.99k	11.36k	9.73	8.04	6.29a	5.47a	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	9.79	8.18	7.02	6.19	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AL 50-100 (Maximum Loads)	Hitch	CANT	+/- 10° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	6.75	5.53a	4.57a	4.52a	4.27a	4.03	3.60a	3.09a	1.78a
3.00	-	-	-	-	7.68b	7.80b	7.22	6.32	5.60	4.89	4.50	4.07	3.68	3.33	2.44a
2.00	-	-	-	-	7.71b	7.87b	7.17	6.26	5.58	4.93	4.49b	4.07	3.67	3.30	2.72a
1.00	-	-	-	-	8.73b	8.28	7.20	6.24	5.55	4.93	4.51	4.05	3.62	3.28	2.94a
0.00	-	-	-	-	8.77	8.44	7.22	6.20	5.61	4.91	4.44	3.97	3.58	3.22	2.35a
-1.00	-	-	-	-	9.38	8.32	7.15	6.22	5.50	4.83	4.27	3.91	3.51	3.19	-
-2.00	-	-	12.00	12.00	9.79	8.22	7.05	6.16	5.42	4.73	4.22	3.84	3.47	-	-
-3.00	12.00	12.00	12.00	12.00	9.75	8.26	6.98	6.07	5.31	4.68	4.17	3.81	-	-	-
-4.00	-	-	12.00	11.73	9.75	8.10	6.95	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3BL 50-100 (Minimum Loads)	Hitch	CANT	+/- 10° - +/- 40° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.09	1.99a	1.72a	1.72a	1.70	1.62	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	2.93	2.51	1.70a	1.69a	1.66	1.44	1.41
3.00	-	-	-	-	5.53	4.40	3.39k	3.12k	2.79	2.45	1.73a	1.75a	1.60	1.39	1.31
2.00	-	-	-	-	5.45	4.34	3.51	2.97	2.56	2.34	1.82a	1.76	1.53	1.35	1.25
1.00	-	-	-	-	5.30	4.30	3.53	2.86	2.50	2.19	1.92a	1.69	1.49	1.30	1.25
0.00	-	-	-	-	5.33	4.22	3.44	2.82	2.44	2.13	1.88	1.66	1.44	1.30	1.26
-1.00	-	-	-	-	4.98	4.01	3.35	2.75	2.40	2.09	1.84	1.62	1.44	1.33	-
-2.00	-	-	8.43	6.14	4.91	3.97	3.32	2.78	2.39	2.08	1.84	1.63	1.50	-	-
-3.00	11.58k	10.99k	8.04	6.10	4.83	3.94	3.29	2.85	2.45	2.14	1.88	1.88	-	-	-
-4.00	-	-	8.26	6.19	4.97	4.13	3.56	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3BL 50-100 (Maximum Loads)	Hitch	CANT	+/- 10° - +/- 40° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.16	2.72	2.34	1.95	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.54a	3.18	2.77	2.36	1.98	1.69	-
4.00	-	-	-	-	6.30	5.49	4.62	3.97a	3.56	3.12	2.77	2.38	2.01	1.69	1.41
3.00	-	-	-	-	6.71	5.65	4.71	3.95	3.53	3.09	2.74	2.37	2.01a	1.69	1.41
2.00	-	-	-	-	6.81	5.57	4.63	3.96	3.47	3.07	2.74	2.32	1.96	1.66	1.38
1.00	-	-	-	-	6.62	5.55	4.62	3.98	3.44	3.04	2.64	2.24	1.91	1.59	1.34
0.00	-	-	-	-	5.54	5.29	4.46	3.76	3.35	2.92	2.54a	2.15	1.81	1.53	1.30
-1.00	-	-	-	-	5.89	5.15	4.32	3.65	3.21	2.81	2.37	2.01	1.72	1.46	-
-2.00	-	-	9.27	8.00	6.21	5.04	4.22	3.61	3.07	2.63	2.23	1.91	1.66	-	-
-3.00	12.00	12.00	11.28	8.09	6.19	5.08	4.14	3.48	2.97	2.53	2.18	1.89	-	-	-
-4.00	-	-	9.91	7.75	6.17	4.91	4.09	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3CL 50-100 (Minimum Loads)	Hitch	CANT	+/- 40° - +/- 60° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.71	1.62	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	2.85	1.99a	1.72a	1.70	1.43	1.35	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	2.67	2.22	1.70a	1.61	1.39	1.17	1.14
3.00	-	-	-	-	5.51	4.23	3.29	2.92	2.51	2.16	1.73a	1.53	1.32	1.12	1.04
2.00	-	-	-	-	5.41	4.15	3.25	2.68	2.25	2.03	1.75	1.47	1.25	1.08	0.98
1.00	-	-	-	-	5.24	4.11	3.28	2.55	2.18	1.87	1.64	1.40	1.21	1.03	0.98
0.00	-	-	-	-	5.27	4.02	3.17	2.51	2.11	1.81	1.57	1.36	1.16	1.02	0.99
-1.00	-	-	-	-	4.86	3.78	3.08	2.43	2.07	1.77	1.53	1.32	1.16	1.05	-
-2.00	-	-	9.22	6.23	4.78	3.73	3.05	2.46	2.06	1.76	1.53	1.33	1.21	-	-
-3.00	11.58k	10.99k	8.69	6.18	4.69	3.70	3.01	2.54	2.13	1.82	1.58	1.57	-	-	-
-4.00	-	-	8.97	6.29	4.85	3.92	3.30	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3CL 50-100 (Maximum Loads)	Hitch	CANT	+/- 40° - +/- 60° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	2.93	2.41	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.23a	2.94	2.48	2.07	1.68	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.36	2.96	2.53	2.12	1.72	1.42	-
4.00	-	-	-	-	6.41	5.46	4.47	3.85	3.35	2.89	2.51	2.11	1.75	1.43	1.14
3.00	-	-	-	-	6.88b	5.64	4.58	3.75	3.31	2.86	2.48	2.10	1.74a	1.42	1.14
2.00	-	-	-	-	6.98b	5.55	4.49	3.76	3.24	2.83	2.48	2.06	1.68	1.39	1.11
1.00	-	-	-	-	6.81	5.52	4.47	3.78	3.21	2.80	2.36	1.96	1.63	1.31	1.07
0.00	-	-	-	-	5.51	5.23	4.29	3.54	3.11	2.66	2.27	1.87	1.53	1.26	1.03
-1.00	-	-	-	-	5.93	5.06	4.13	3.42	2.96	2.53	2.08	1.72	1.43	1.18	-
-2.00	-	-	10.42	8.63	6.32	4.93	4.02	3.37	2.81	2.32	1.92	1.61	1.37	-	-
-3.00	12.00	12.00	12.00	8.74	6.29	4.98	3.93	3.23	2.69	2.21	1.87	1.59	-	-	-
-4.00	-	-	11.37	8.29	6.26	4.79	3.87	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DL 50-100 (Minimum Loads)	Hitch	CANT	+/- 60° - +/- 120°		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.71	1.62	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	2.85	1.99a	1.72a	1.70	1.43	1.35	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	2.67	2.22	1.70a	1.61	1.39	1.17	1.14
3.00	-	-	-	-	5.51	4.23	3.29	2.92	2.51	2.16	1.73a	1.53	1.32	1.12	1.04
2.00	-	-	-	-	5.41	4.15	3.25	2.68	2.25	2.03	1.75	1.47	1.25	1.08	0.98
1.00	-	-	-	-	5.24	4.11	3.28	2.55	2.18	1.87	1.64	1.40	1.21	1.03	0.98
0.00	-	-	-	-	5.27	4.02	3.17	2.51	2.11	1.81	1.57	1.36	1.16	1.02	0.99
-1.00	-	-	-	-	4.86	3.78	3.08	2.43	2.07	1.77	1.53	1.32	1.16	1.05	-
-2.00	-	-	9.22	6.23	4.78	3.73	3.05	2.46	2.06	1.76	1.53	1.33	1.21	-	-
-3.00	11.58k	10.99k	8.69	6.18	4.69	3.70	3.01	2.54	2.13	1.82	1.58	1.57	-	-	-
-4.00	-	-	8.97	6.29	4.85	3.92	3.30	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DL 50-100 (Maximum Loads)	Hitch	CANT	+/- 60° - +/- 120°		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	2.93	2.41	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.23a	2.94	2.48	2.07	1.68	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.36a	2.96	2.53	2.12	1.72	1.42	-
4.00	-	-	-	-	6.41	5.46	4.47	3.85	3.35	2.89	2.51	2.11	1.75	1.43	1.14
3.00	-	-	-	-	6.88b	5.64	4.58	3.75	3.31	2.86	2.48	2.10	1.74a	1.42	1.14
2.00	-	-	-	-	6.98b	5.55	4.49	3.76	3.24	2.83	2.48	2.06	1.68	1.39	1.11
1.00	-	-	-	-	6.81	5.52	4.47	3.78	3.21	2.80	2.36	1.96	1.63	1.31	1.07
0.00	-	-	-	-	5.51	5.23	4.29	3.54	3.11	2.66	2.27	1.87	1.53	1.26	1.03
-1.00	-	-	-	-	5.93	5.06	4.13	3.42	2.96	2.53	2.08	1.72	1.43	1.18	-
-2.00	-	-	10.42	8.63	6.32	4.93	4.02	3.37	2.81	2.32	1.92	1.61	1.37	-	-
-3.00	12.00	12.00	12.00	8.74	6.29	4.98	3.93	3.23	2.69	2.21	1.87	1.59	-	-	-
-4.00	-	-	11.38	8.29	6.26	4.79	3.87	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EL 50-100 (Minimum Loads)	Hitch	CANT	+/- 120° - +/- 130° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.69
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.74	1.62
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.08	2.74	1.92a	1.92a	1.91	1.69	1.62
0.00	-	-	-	-	6.40	5.09	4.16	3.45	3.02	2.57a	2.25a	2.11	1.86	1.68	1.64
-1.00	-	-	-	-	6.02	4.86	4.08	3.38	2.98	2.64	2.34	2.07	1.86	1.73	-
-2.00	-	-	10.34	7.47	5.95	4.83	4.05	3.32k	2.97	2.63	2.33	2.09	1.93	-	-
-3.00	11.58k	10.99k	9.86	7.43	5.87	4.80	4.01	3.48	3.03	2.69	2.38	2.37	-	-	-
-4.00	-	-	10.11	7.52	6.02	5.00	4.30	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EL 50-100 (Maximum Loads)	Hitch	CANT	+/- 120° - +/- 130° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.79	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.59	3.22	2.82a	2.44	2.10	-
4.00	-	-	-	-	6.81b	6.53	5.48	4.38b	4.04a	3.66	3.24	2.84	2.46	2.10	1.78a
3.00	-	-	-	-	7.43	6.58	5.48	4.69	4.11	3.61	3.21	2.83	2.43	2.09	1.80
2.00	-	-	-	-	7.26	6.52	5.43	4.67	4.00	3.59	3.21	2.79	2.41	2.06	1.76
1.00	-	-	-	-	7.48	6.52	5.42	4.63	3.98	3.58	3.15	2.73a	2.34	2.01	1.72
0.00	-	-	-	-	6.65	6.35	5.32	4.48	3.95	3.48	3.04	2.63a	2.27	1.95	1.69
-1.00	-	-	-	-	7.14	6.20	5.18	4.38	3.84	3.37	2.90	2.51	2.17	1.87	-
-2.00	-	-	11.42	9.81	7.53	6.08	5.07	4.33	3.70	3.19	2.77	2.41	2.12	-	-
-3.00	12.00	12.00	12.00	9.90	7.50	6.13	4.99	4.21	3.60	3.10	2.73	2.39	-	-	-
-4.00	-	-	12.00	9.48	7.49	5.95	4.95	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FL 50-100 (Minimum Loads)	Hitch	CANT	+/- 130° - +/- 140° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.69
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	2.92	1.92a	1.92a	1.94a	1.77	1.69
0.00	-	-	-	-	7.40	5.73	4.59	3.74	3.11k	2.57a	2.25a	2.19a	1.96	1.76	1.72
-1.00	-	-	-	-	6.96	5.47	4.50	3.57k	3.12k	2.71a	2.49	2.19	1.96	1.81	-
-2.00	-	-	12.00	8.95	6.87	5.43	4.47	3.32k	3.17k	2.81	2.48	2.20	2.03	-	-
-3.00	11.58k	10.99k	11.36k	8.93	6.77	5.40	4.43	3.78	3.25	2.87	2.53	2.52	-	-	-
-4.00	-	-	12.00	9.01	6.95	5.63	4.76	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FL 50-100 (Maximum Loads)	Hitch	CANT	+/- 130° - +/- 140° Over Fixed End		90%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.60a	3.41	2.97	2.56	2.21	-
4.00	-	-	-	-	6.81b	6.84	5.89b	4.69	4.26	3.85a	3.42	2.99	2.59	2.21	1.78a
3.00	-	-	-	-	7.68	7.39	6.16b	5.18	4.38	3.86	3.41	2.99	2.57	2.20	1.85
2.00	-	-	-	-	7.71b	7.44	6.06	5.05	4.36	3.84	3.40	2.95	2.54a	2.17	1.85
1.00	-	-	-	-	8.17	7.33	6.03	5.07	4.33	3.85	3.33	2.87	2.47	2.11	1.80
0.00	-	-	-	-	7.73	7.32	5.98	4.94	4.29	3.74	3.24	2.77	2.40	2.05	1.76
-1.00	-	-	-	-	8.46	7.15	5.82	4.84	4.13	3.61	3.09	2.67	2.29	1.97	-
-2.00	-	-	12.00	12.00	9.03	7.01	5.70	4.78	4.03	3.42	2.95	2.56	2.24	-	-
-3.00	12.00	12.00	12.00	12.00	8.97	7.07	5.60	4.64	3.91	3.33	2.90	2.54	-	-	-
-4.00	-	-	12.00	11.96	8.97	6.85	5.56	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3GL 50-100 (Minimum Loads)	Hitch	CANT	+/- 140° - +/- 160° Over Fixed End		90%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	8.30	6.64	5.47	4.57	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	7.90	6.40	5.40	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	9.83	7.82	6.38	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	11.58k	10.99k	11.36k	9.81	7.73	6.29a	5.32	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	9.88	7.89	6.55	5.64	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3GL 50-100 (Maximum Loads)	Hitch	CANT	+/- 140° - +/- 160° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	6.34	5.42a	4.57a	4.43	3.96	3.57	3.17	2.80	1.78a
3.00	-	-	-	-	7.68b	7.80b	6.85b	5.89b	5.04	4.51	4.01	3.58	3.17	2.81	2.44a
2.00	-	-	-	-	7.71b	7.78	6.78	5.84b	5.07	4.35	3.99	3.57	3.14	2.79	2.45
1.00	-	-	-	-	8.70	8.02	6.77	5.76b	5.06	4.42	4.02	3.50	3.08	2.74	2.40
0.00	-	-	-	-	8.61	8.21	6.79	5.77	5.05	4.48	3.90a	3.41	3.03	2.69	2.35a
-1.00	-	-	-	-	9.36	8.07	6.72	5.69	4.93	4.26k	3.78	3.34	2.95	2.63	-
-2.00	-	-	12.00	12.00	9.89	7.94	6.60	5.63	4.84	4.13	3.65k	3.24	2.89	-	-
-3.00	12.00	12.00	12.00	12.00	9.84	7.99	6.51	5.51	4.73	4.09	3.62	3.23	-	-	-
-4.00	-	-	12.00	12.00	9.83	7.79	6.48	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3HL 50-100 (Minimum Loads)	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	9.03b	7.07b	5.79b	5.04k	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	10.89k	9.03b	7.48b	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	10.93k	10.93k	7.15a	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	12.00	12.00	11.36k	11.43k	9.42a	6.29a	5.47a	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	11.61b	9.51a	7.98a	6.40a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3HL 50-100 (Maximum Loads)	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		90%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	7.11b	5.53a	4.57a	4.52a	4.27a	4.04a	3.60a	3.09a	1.78a
3.00	-	-	-	-	7.68b	8.06b	8.16b	7.97b	6.42b	5.77b	4.88a	4.91k	4.30a	3.56a	2.44a
2.00	-	-	-	-	7.71b	7.93b	8.06b	8.00b	7.36b	6.49b	5.71b	4.93b	4.89b	4.11a	2.72a
1.00	-	-	-	-	8.87b	8.93b	8.71b	8.21b	7.57b	6.80b	6.02b	5.53b	4.94b	4.40a	2.94a
0.00	-	-	-	-	10.93b	10.34b	9.46b	8.71b	7.67b	6.83b	6.16b	5.59b	4.94a	4.45a	2.35a
-1.00	-	-	-	-	12.00	12.00b	10.17b	8.88b	7.73b	6.90k	6.20b	5.57b	4.76k	3.74a	-
-2.00	-	-	12.00	12.00	12.00	12.00	10.33b	8.93b	7.90b	6.95b	6.09b	4.68k	4.47a	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	12.00	10.32b	8.66b	7.44b	6.25b	4.98b	3.96a	-	-	-
-4.00	-	-	12.00	12.00	11.62b	9.48b	7.96b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AU 100-150 (Minimum Loads)	Hitch	CANT	+/- 10° Over Osc End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.07	2.43a	1.77a	1.78a	1.81a	1.79	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.01	2.66	1.99a	1.72a	1.72a	1.65	1.60	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	2.94	2.55	2.24	1.70a	1.69a	1.63	1.47	1.45
3.00	-	-	-	-	4.48	3.68	3.05	2.78	2.46	2.20	1.73a	1.75a	1.59	1.44	1.38
2.00	-	-	-	-	4.42	3.63	3.02	2.62	2.31	2.13	1.82a	1.72	1.55	1.41	1.33
1.00	-	-	-	-	4.32	3.61	3.04	2.54	2.27	2.04	1.86	1.67	1.52	1.38	1.34
0.00	-	-	-	-	4.34	3.56	2.98	2.51	2.23	2.00	1.82	1.65	1.49	1.38	1.35
-1.00	-	-	-	-	4.11	3.41	2.92	2.46	2.21	1.98	1.79	1.62	1.49	1.40	-
-2.00	-	-	6.41	4.92	4.07	3.39	2.90	2.49	2.20	1.97	1.79	1.63	1.53	-	-
-3.00	11.58k	8.17	6.17	4.90	4.01	3.37	2.88	2.53	2.23	2.01	1.82	1.81	-	-	-
-4.00	-	-	6.30	4.95	4.10	3.50	3.07	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AU 100-150 (Maximum Loads)	Hitch	CANT	+/- 10° Over Osc End		67%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.08	2.72	2.36	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.18a	3.09	2.73	2.38	2.10	1.83	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.44	3.08	2.72	2.41	2.13	1.86	1.64	-
4.00	-	-	-	-	5.02	4.44	3.84	3.45	3.02	2.68	2.40	2.13	1.87	1.65	1.45
3.00	-	-	-	-	5.28	4.55	3.88	3.32	2.99	2.66	2.38	2.12	1.87	1.64	1.45
2.00	-	-	-	-	5.35	4.50	3.83	3.33	2.95	2.64	2.38	2.10	1.84	1.63	1.43
1.00	-	-	-	-	5.22	4.48	3.82	3.34	2.93	2.62	2.32	2.04	1.80	1.58	1.40
0.00	-	-	-	-	4.49	4.32	3.71	3.19	2.87	2.54	2.26	1.98	1.74	1.55	1.38
-1.00	-	-	-	-	4.75	4.22	3.62	3.12	2.78	2.46	2.15	1.90	1.68	1.50	-
-2.00	-	-	6.92	6.14	4.97	4.15	3.55	3.09	2.68	2.34	2.06	1.83	1.65	-	-
-3.00	12.00	9.67	8.08	6.19	4.95	4.18	3.49	3.01	2.61	2.28	2.03	1.82	-	-	-
-4.00	-	-	7.30	5.98	4.94	4.07	3.47	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3BU 100-150 (Minimum Loads)	Hitch	CANT	+/- 10° - +/- 40° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30	1.90	1.82	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.93	1.62	1.40	1.25	-	-	-	-
6.00	-	-	-	-	-	-	2.31	1.91	1.63	1.40	1.18	1.01	0.96	-	-
5.00	-	-	-	-	2.75a	2.57	2.17	1.84	1.59	1.36	1.17	1.00	0.86	0.82	-
4.00	-	-	-	-	2.93	2.43	2.05	1.76	1.47	1.25	1.11	0.95	0.84	0.72	0.70
3.00	-	-	-	-	2.81	2.21	1.74	1.56	1.38	1.22	1.05	0.90	0.79	0.69	0.65
2.00	-	-	-	-	2.76	2.17	1.71	1.41	1.22	1.12	0.99	0.86	0.75	0.66	0.61
1.00	-	-	-	-	2.67	2.14	1.72	1.35	1.18	1.04	0.93	0.82	0.72	0.63	0.61
0.00	-	-	-	-	2.68	2.08	1.66	1.32	1.14	1.01	0.90	0.80	0.70	0.63	0.61
-1.00	-	-	-	-	2.44	1.94	1.60	1.28	1.12	0.98	0.87	0.77	0.69	0.64	-
-2.00	-	-	4.09	3.00	2.39	1.90	1.57	1.30	1.12	0.98	0.87	0.78	0.72	-	-
-3.00	10.62	5.42	3.89	2.96	2.34	1.88	1.56	1.34	1.15	1.01	0.90	0.90	-	-	-
-4.00	-	-	4.01	3.03	2.43	2.02	1.73	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3BU 100-150 (Maximum Loads)	Hitch	CANT	+/- 10° - +/- 40° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.53	2.24	1.88	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.25	1.93	1.66	1.38	-	-	-	-
6.00	-	-	-	-	-	-	2.31	2.21	1.93	1.67	1.44	1.20	0.99	-	-
5.00	-	-	-	-	2.96a	2.91	2.54	2.23	1.92	1.66	1.44	1.23	1.02	0.85	-
4.00	-	-	-	-	3.45	3.01	2.52	2.16	1.85	1.62	1.43	1.23	1.03	0.86	0.70
3.00	-	-	-	-	3.42	2.92	2.44	2.05	1.83	1.60	1.41	1.23	1.03	0.86	0.70
2.00	-	-	-	-	3.47	2.86	2.39	2.04	1.79	1.58	1.41	1.20	0.99	0.84	0.68
1.00	-	-	-	-	3.38	2.85	2.37	2.05	1.77	1.56	1.34	1.13	0.96	0.79	0.66
0.00	-	-	-	-	2.79	2.67	2.27	1.91	1.70	1.47	1.28	1.08	0.90	0.76	0.63
-1.00	-	-	-	-	2.90	2.57	2.16	1.82	1.61	1.40	1.17	0.99	0.84	0.71	-
-2.00	-	-	4.46	3.88	3.06	2.49	2.10	1.79	1.51	1.28	1.08	0.92	0.80	-	-
-3.00	11.04	6.63	5.35	3.93	3.05	2.52	2.04	1.70	1.43	1.21	1.05	0.91	-	-	-
-4.00	-	-	4.76	3.78	3.03	2.41	2.00	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3CU 100-150 (Minimum Loads)	Hitch	CANT	+/- 40° - +/- 60° Over Osc End		67%



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.15	1.76	1.68	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.78	1.48	1.28	1.12	-	-	-	-
6.00	-	-	-	-	-	-	2.16	1.76	1.49	1.28	1.06	0.90	0.85	-	-
5.00	-	-	-	-	2.75a	2.41	2.02	1.70	1.45	1.23	1.05	0.89	0.75	0.71	-
4.00	-	-	-	-	2.75	2.25	1.89	1.61	1.33	1.12	0.99	0.83	0.73	0.62	0.60
3.00	-	-	-	-	2.62	2.04	1.58	1.40	1.24	1.09	0.93	0.78	0.68	0.58	0.52
2.00	-	-	-	-	2.58	1.99	1.55	1.25	1.08	0.99	0.87	0.75	0.64	0.53	0.47
1.00	-	-	-	-	2.48	1.96	1.55	1.19	1.03	0.90	0.81	0.70	0.61	0.49	0.46
0.00	-	-	-	-	2.49	1.89	1.50	1.17	1.00	0.87	0.77	0.68	0.58	0.49	0.46
-1.00	-	-	-	-	2.24	1.76	1.43	1.12	0.98	0.85	0.75	0.65	0.57	0.50	-
-2.00	-	-	3.87	2.78	2.19	1.72	1.40	1.14	0.97	0.84	0.75	0.66	0.61	-	-
-3.00	10.94	5.23	3.67	2.74	2.14	1.70	1.39	1.18	1.01	0.88	0.77	0.77	-	-	-
-4.00	-	-	3.79	2.82	2.23	1.83	1.56	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3CU 100-150 (Maximum Loads)	Hitch	CANT	+/- 40° - +/- 60° Over Osc End		67%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.46a	2.09	1.73	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.10	1.78	1.53	1.26	-	-	-	-
6.00	-	-	-	-	-	-	2.16	2.06	1.79	1.53	1.31	1.08	0.88	-	-
5.00	-	-	-	-	2.96a	2.73	2.38	2.08	1.78	1.53	1.32	1.11	0.91	0.75	-
4.00	-	-	-	-	3.27	2.83	2.35	2.01	1.71	1.49	1.30	1.11	0.92	0.75	0.60
3.00	-	-	-	-	3.23	2.74	2.27	1.90	1.68	1.46	1.28	1.11	0.91	0.75	0.60
2.00	-	-	-	-	3.27	2.68	2.22	1.89	1.64	1.44	1.28	1.09	0.88	0.73	0.57
1.00	-	-	-	-	3.18	2.66	2.21	1.90	1.63	1.43	1.22	1.01	0.85	0.68	0.53
0.00	-	-	-	-	2.59	2.49	2.10	1.76	1.55	1.34	1.16	0.95	0.78	0.65	0.49
-1.00	-	-	-	-	2.70	2.37	1.99	1.66	1.46	1.26	1.04	0.87	0.72	0.59	-
-2.00	-	-	4.25	3.66	2.85	2.30	1.92	1.63	1.35	1.14	0.95	0.80	0.69	-	-
-3.00	11.43	6.50	5.15	3.71	2.84	2.33	1.86	1.53	1.28	1.07	0.91	0.78	-	-	-
-4.00	-	-	4.55	3.56	2.82	2.22	1.82	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DU 100-150 (Minimum Loads)	Hitch	CANT	+/- 60° - +/- 120°		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.14	1.76	1.68	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.78	1.48	1.28	1.12	-	-	-	-
6.00	-	-	-	-	-	-	2.16	1.76	1.49	1.28	1.06	0.90	0.85	-	-
5.00	-	-	-	-	2.75a	2.41	2.02	1.70	1.45	1.23	1.05	0.89	0.75	0.71	-
4.00	-	-	-	-	2.75	2.25	1.89	1.61	1.33	1.12	0.99	0.83	0.73	0.62	0.60
3.00	-	-	-	-	2.62	2.04	1.58	1.40	1.24	1.09	0.93	0.78	0.68	0.58	0.52
2.00	-	-	-	-	2.58	1.99	1.55	1.25	1.08	0.99	0.87	0.75	0.64	0.53	0.47
1.00	-	-	-	-	2.48	1.96	1.55	1.19	1.03	0.90	0.81	0.70	0.61	0.49	0.46
0.00	-	-	-	-	2.49	1.89	1.50	1.17	1.00	0.87	0.77	0.68	0.58	0.49	0.46
-1.00	-	-	-	-	2.24	1.76	1.43	1.12	0.98	0.85	0.75	0.65	0.57	0.50	-
-2.00	-	-	3.86	2.78	2.19	1.72	1.40	1.14	0.97	0.84	0.75	0.66	0.61	-	-
-3.00	10.94	5.23	3.67	2.74	2.14	1.70	1.39	1.18	1.01	0.88	0.77	0.77	-	-	-
-4.00	-	-	3.79	2.81	2.23	1.83	1.56	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DU 100-150 (Maximum Loads)	Hitch	CANT	+/- 60° - +/- 120°		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.46a	2.09	1.73	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.10	1.78	1.53	1.26	-	-	-	-
6.00	-	-	-	-	-	-	2.16	2.06	1.79	1.53	1.31	1.08	0.88	-	-
5.00	-	-	-	-	2.96a	2.73	2.38	2.08	1.78	1.53	1.32	1.11	0.91	0.75	-
4.00	-	-	-	-	3.27	2.83	2.35	2.01	1.71	1.49	1.30	1.11	0.92	0.75	0.60
3.00	-	-	-	-	3.23	2.74	2.27	1.90	1.68	1.46	1.28	1.11	0.91	0.75	0.60
2.00	-	-	-	-	3.27	2.68	2.22	1.89	1.64	1.44	1.28	1.09	0.88	0.73	0.57
1.00	-	-	-	-	3.18	2.66	2.21	1.90	1.63	1.43	1.22	1.01	0.85	0.68	0.53
0.00	-	-	-	-	2.59	2.49	2.09	1.76	1.55	1.34	1.16	0.95	0.78	0.65	0.49
-1.00	-	-	-	-	2.70	2.37	1.99	1.66	1.46	1.26	1.04	0.87	0.72	0.59	-
-2.00	-	-	4.24	3.66	2.85	2.30	1.92	1.63	1.35	1.14	0.95	0.80	0.69	-	-
-3.00	11.43	6.50	5.15	3.71	2.84	2.33	1.86	1.53	1.28	1.07	0.91	0.78	-	-	-
-4.00	-	-	4.54	3.56	2.81	2.22	1.82	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EU 100-150 (Minimum Loads)	Hitch	CANT	+/- 120° - +/- 130° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.30	1.90	1.82	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.93	1.62	1.40	1.25	-	-	-	-
6.00	-	-	-	-	-	-	2.31	1.91	1.63	1.40	1.18	1.01	0.96	-	-
5.00	-	-	-	-	2.75a	2.57	2.17	1.84	1.59	1.36	1.17	1.00	0.86	0.82	-
4.00	-	-	-	-	2.93	2.43	2.05	1.76	1.47	1.25	1.11	0.95	0.84	0.72	0.70
3.00	-	-	-	-	2.81	2.21	1.74	1.56	1.38	1.22	1.05	0.90	0.79	0.69	0.65
2.00	-	-	-	-	2.76	2.17	1.71	1.41	1.22	1.12	0.99	0.86	0.75	0.66	0.61
1.00	-	-	-	-	2.67	2.14	1.72	1.35	1.18	1.04	0.93	0.82	0.72	0.63	0.61
0.00	-	-	-	-	2.68	2.08	1.66	1.32	1.14	1.01	0.90	0.80	0.70	0.63	0.61
-1.00	-	-	-	-	2.44	1.94	1.60	1.28	1.12	0.98	0.87	0.77	0.69	0.64	-
-2.00	-	-	4.09	3.00	2.39	1.90	1.57	1.30	1.12	0.98	0.87	0.78	0.72	-	-
-3.00	10.62	5.42	3.89	2.96	2.34	1.88	1.56	1.33	1.15	1.01	0.90	0.90	-	-	-
-4.00	-	-	4.01	3.03	2.43	2.02	1.73	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EU 100-150 (Maximum Loads)	Hitch	CANT	+/- 120° - +/- 130° Over Fixed End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.53	2.24	1.88	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.25	1.93	1.66	1.38	-	-	-	-
6.00	-	-	-	-	-	-	2.31	2.21	1.93	1.67	1.44	1.20	0.99	-	-
5.00	-	-	-	-	2.96a	2.91	2.54	2.23	1.92	1.66	1.44	1.23	1.02	0.85	-
4.00	-	-	-	-	3.45	3.01	2.52	2.16	1.85	1.62	1.43	1.23	1.03	0.86	0.70
3.00	-	-	-	-	3.42	2.92	2.44	2.05	1.83	1.60	1.41	1.23	1.03	0.85	0.70
2.00	-	-	-	-	3.47	2.86	2.39	2.04	1.79	1.58	1.41	1.20	0.99	0.84	0.68
1.00	-	-	-	-	3.38	2.85	2.37	2.05	1.77	1.56	1.34	1.13	0.96	0.79	0.66
0.00	-	-	-	-	2.79	2.67	2.27	1.91	1.70	1.47	1.28	1.07	0.90	0.76	0.63
-1.00	-	-	-	-	2.90	2.57	2.16	1.82	1.61	1.40	1.17	0.99	0.84	0.71	-
-2.00	-	-	4.46	3.88	3.06	2.49	2.10	1.79	1.51	1.28	1.08	0.92	0.80	-	-
-3.00	11.04	6.63	5.35	3.93	3.05	2.52	2.04	1.70	1.43	1.21	1.05	0.91	-	-	-
-4.00	-	-	4.76	3.78	3.03	2.41	2.00	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FU 100-150 (Minimum Loads)	Hitch	CANT	+/- 130° - +/- 140° Over Fixed End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.09	2.01	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.12	1.79	1.56	1.40	-	-	-	-
6.00	-	-	-	-	-	-	2.53	2.10	1.80	1.56	1.33	1.14	1.09	-	-
5.00	-	-	-	-	2.75a	2.82	2.39	2.04	1.76	1.51	1.31	1.13	0.98	0.94	-
4.00	-	-	-	-	3.16a	2.68	2.28	1.95	1.65	1.41	1.25	1.08	0.96	0.84	0.82
3.00	-	-	-	-	3.10	2.46	1.96	1.75	1.55	1.37	1.20	1.03	0.92	0.81	0.76
2.00	-	-	-	-	3.05	2.42	1.93	1.61	1.40	1.29	1.14	1.00	0.87	0.78	0.73
1.00	-	-	-	-	2.95	2.39	1.94	1.54	1.35	1.20	1.08	0.95	0.85	0.75	0.72
0.00	-	-	-	-	2.97	2.33	1.88	1.52	1.32	1.16	1.04	0.93	0.82	0.75	0.73
-1.00	-	-	-	-	2.73	2.19	1.81	1.47	1.30	1.14	1.02	0.90	0.82	0.76	-
-2.00	-	-	4.52	3.34	2.68	2.15	1.79	1.49	1.29	1.14	1.02	0.91	0.85	-	-
-3.00	11.58k	5.98	4.31	3.30	2.63	2.13	1.77	1.53	1.33	1.17	1.04	1.04	-	-	-
-4.00	-	-	4.44	3.37	2.72	2.26	1.95	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FU 100-150 (Maximum Loads)	Hitch	CANT	+/- 130° - +/- 140° Over Fixed End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.70a	2.46	2.07	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.46	2.12	1.83	1.54	-	-	-	-
6.00	-	-	-	-	-	-	2.53	2.42	2.13	1.84	1.59	1.35	1.13	-	-
5.00	-	-	-	-	2.96a	3.13a	2.78	2.45	2.11	1.83	1.60	1.37	1.15	0.98	-
4.00	-	-	-	-	3.73a	3.29	2.76	2.38	2.05	1.79	1.58	1.37	1.16	0.98	0.82
3.00	-	-	-	-	3.76	3.20	2.68	2.26	2.02	1.77	1.57	1.37	1.16	0.98	0.82
2.00	-	-	-	-	3.81	3.14	2.63	2.26	1.98	1.75	1.56	1.35	1.13	0.96	0.80
1.00	-	-	-	-	3.71	3.13	2.62	2.27	1.96	1.73	1.50	1.28	1.09	0.91	0.77
0.00	-	-	-	-	3.08	2.96	2.51	2.13	1.89	1.64	1.44	1.22	1.03	0.88	0.75
-1.00	-	-	-	-	3.23	2.85	2.41	2.04	1.80	1.57	1.33	1.13	0.97	0.83	-
-2.00	-	-	4.94	4.30	3.40	2.78	2.34	2.01	1.70	1.45	1.23	1.06	0.93	-	-
-3.00	12.00	7.30	5.90	4.35	3.39	2.81	2.28	1.91	1.62	1.38	1.20	1.05	-	-	-
-4.00	-	-	5.26	4.19	3.37	2.70	2.25	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3GU 100-150 (Minimum Loads)	Hitch	CANT	+/- 140° - +/- 160° Over Fixed End		67%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.77	1.60	-	-	-	-
6.00	-	-	-	-	-	-	2.78	2.33	2.02	1.77a	1.53	1.34	1.28	-	-
5.00	-	-	-	-	2.75a	2.89a	2.64	2.27	1.99	1.73	1.52	1.33	1.17	1.12	-
4.00	-	-	-	-	3.16a	2.96	2.55	2.20	1.88	1.63	1.46	1.28	1.15	1.01	1.00
3.00	-	-	-	-	3.38	2.74	2.23	2.01	1.79	1.59	1.41	1.23	1.10	0.98	0.93
2.00	-	-	-	-	3.34	2.70	2.20	1.87	1.64	1.52	1.36	1.20	1.06	0.96	0.90
1.00	-	-	-	-	3.24	2.67	2.21	1.80	1.60	1.43	1.29	1.15	1.04	0.93	0.90
0.00	-	-	-	-	3.26	2.62	2.15	1.78	1.56	1.39	1.25	1.13	1.01	0.92	0.90
-1.00	-	-	-	-	3.03	2.48	2.09	1.73	1.54	1.37	1.23	1.10	1.01	0.94	-
-2.00	-	-	4.81	3.65	2.99	2.45	2.07	1.75	1.53	1.36	1.23	1.11	1.04	-	-
-3.00	10.89	6.17	4.61	3.62	2.94	2.43	2.05	1.79	1.57	1.40	1.26	1.25	-	-	-
-4.00	-	-	4.73	3.68	3.02	2.56	2.23	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3GU 100-150 (Maximum Loads)	Hitch	CANT	+/- 140° - +/- 160° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.84a	2.70	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.70	2.35	2.06	1.75	-	-	-	-
6.00	-	-	-	-	-	-	2.78	2.66	2.36	2.06	1.80a	1.55	1.32	-	-
5.00	-	-	-	-	2.96a	3.26a	3.02	2.69	2.34	2.06	1.81	1.57	1.34	1.16	-
4.00	-	-	-	-	3.95	3.55	3.02	2.62	2.28	2.02	1.80	1.58	1.36	1.17	1.00
3.00	-	-	-	-	4.03	3.48	2.95	2.51	2.26	1.99	1.78	1.57	1.35	1.16	1.00
2.00	-	-	-	-	4.08	3.42	2.90	2.51	2.22	1.98	1.78	1.55	1.32	1.14	0.98
1.00	-	-	-	-	3.99	3.41	2.89	2.52	2.20	1.96	1.71	1.48	1.29	1.10	0.95
0.00	-	-	-	-	3.37	3.25	2.78	2.38	2.14	1.87	1.66	1.43	1.23	1.07	0.93
-1.00	-	-	-	-	3.53	3.15	2.69	2.30	2.04	1.80	1.55	1.34	1.17	1.02	-
-2.00	-	-	5.21	4.60	3.70	3.08	2.62	2.27	1.95	1.68	1.45	1.27	1.13	-	-
-3.00	11.23	7.35	6.10	4.64	3.69	3.10	2.57	2.18	1.88	1.62	1.43	1.26	-	-	-
-4.00	-	-	5.50	4.48	3.68	3.00	2.54	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3HU 100-150 (Minimum Loads)	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		67%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	6.77	5.66	4.82	4.16	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	6.53	5.50	4.78	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	9.98	7.77	6.48	5.49	4.75	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	11.58k	10.99k	9.65	7.76	6.42	5.48	4.72	4.19	3.65k	3.13k	3.08	3.06	-	-	-
-4.00	-	-	9.81	7.80	6.53	5.61	4.95	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3HU 100-150 (Maximum Loads)	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		67%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.32a	2.97	2.32a	-
4.00	-	-	-	-	6.81b	6.64b	5.88	4.80	4.37	4.08	3.69	3.33	3.00	2.70	1.78a
3.00	-	-	-	-	7.48b	6.77	5.89	5.16	4.49	4.07	3.69	3.32	2.99	2.70	2.44
2.00	-	-	-	-	7.32b	6.80	5.84b	5.09	4.53	4.05	3.68	3.31	2.96	2.68	2.43
1.00	-	-	-	-	7.53b	6.83	5.81	5.09	4.51	4.07	3.66	3.25	2.92	2.65	2.40
0.00	-	-	-	-	6.98	6.71	5.78	5.00	4.49	4.02	3.61	3.20a	2.89	2.61	2.35a
-1.00	-	-	-	-	7.47	6.63	5.70	4.96	4.39	3.95	3.50	3.15	2.83	2.58	-
-2.00	-	-	10.76	9.60	7.80	6.55	5.62	4.92	4.33	3.81	3.42	3.08	2.80	-	-
-3.00	12.00	12.00	12.00	9.66	7.77	6.58	5.57	4.85	4.26	3.77	3.39	3.07	-	-	-
-4.00	-	-	11.32	9.34	7.77	6.46	5.55	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AL 100-150 (Minimum Loads)	Hitch	CANT	+/- 10° Over Osc End		90%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	7.52	6.12	5.11	4.31	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	7.16	5.90	5.04	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	11.65	8.71	7.10	5.88	5.00	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	11.58k	10.99k	11.18	8.69	7.01	5.85	4.97	4.26k	3.65k	3.13k	3.10	3.08	-	-	-
-4.00	-	-	11.42	8.76	7.16	6.04	5.26	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-


Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3AL 100-150 (Maximum Loads)	Hitch	CANT	+/- 10° Over Osc End		90%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.01a	5.92	5.10	4.55	4.27b	3.82b	3.44	3.07	2.71	1.78a
3.00	-	-	-	-	7.68b	7.51	6.39	5.54	4.79	4.29	3.84	3.45	3.07	2.73	2.39
2.00	-	-	-	-	7.71b	7.49b	6.33	5.49	4.81	4.23b	3.84	3.43	3.02	2.70	2.38
1.00	-	-	-	-	8.12	7.46	6.33	5.47	4.79	4.24	3.83	3.36	2.97	2.65	2.33
0.00	-	-	-	-	7.78	7.45	6.33	5.39	4.76	4.25	3.74	3.28	2.92	2.59	2.31
-1.00	-	-	-	-	8.35	7.32	6.20	5.31	4.65	4.10	3.61	3.21	2.84	2.54	-
-2.00	-	-	12.00	11.12	8.77	7.21	6.09	5.26	4.56	3.94	3.50	3.12	2.79	-	-
-3.00	12.00	12.00	12.00	11.21	8.73	7.25	6.01	5.15	4.46	3.89	3.46	3.10	-	-	-
-4.00	-	-	12.00	10.78	8.72	7.08	5.98	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
3BL 100-150 (Minimum Loads)	Hitch	CANT	+/- 10° - +/- 40° Over Osc End		90%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.74	1.66	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	2.78	1.99a	1.72a	1.72a	1.48	1.41	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.09	2.62	2.21	1.70a	1.65	1.44	1.24	1.21
3.00	-	-	-	-	4.93	3.93	3.15	2.84	2.47	2.16	1.73a	1.58	1.38	1.19	1.11
2.00	-	-	-	-	4.86	3.87	3.12	2.62	2.24	2.04	1.78	1.52	1.31	1.15	1.06
1.00	-	-	-	-	4.72	3.83	3.14	2.51	2.17	1.89	1.68	1.45	1.27	1.10	1.05
0.00	-	-	-	-	4.74	3.75	3.05	2.47	2.11	1.84	1.62	1.42	1.23	1.10	1.07
-1.00	-	-	-	-	4.40	3.55	2.96	2.39	2.08	1.80	1.58	1.38	1.23	1.13	-
-2.00	-	-	7.36	5.40	4.34	3.50	2.93	2.43	2.07	1.80	1.58	1.39	1.28	-	-
-3.00	11.58k	9.83	7.02	5.36	4.26	3.48	2.90	2.49	2.13	1.85	1.62	1.62	-	-	-
-4.00	-	-	7.21	5.45	4.39	3.66	3.16	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Lift Point	Config	Sector	Osc Axle	Safety
3BL 100-150 (Maximum Loads)	Hitch	CANT	+/- 10° - +/- 40° Over Osc End		90%





	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	2.86	2.38	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.22a	2.89	2.45	2.07	1.72	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.51a	3.27	2.88	2.49	2.12	1.75	1.47	-
4.00	-	-	-	-	5.66	4.91	4.14	3.73	3.22	2.82	2.48	2.11	1.78	1.48	1.21
3.00	-	-	-	-	5.97	5.06	4.23	3.56	3.18	2.79	2.45	2.10	1.77	1.47	1.21
2.00	-	-	-	-	6.05	4.98	4.16	3.56	3.12	2.77	2.44	2.07	1.72	1.44	1.18
1.00	-	-	-	-	5.89	4.96	4.14	3.58	3.10	2.74	2.34	1.97	1.67	1.37	1.14
0.00	-	-	-	-	4.92	4.72	3.99	3.38	3.01	2.61	2.26	1.89	1.57	1.32	1.10
-1.00	-	-	-	-	5.20	4.57	3.85	3.26	2.87	2.49	2.09	1.75	1.48	1.24	-
-2.00	-	-	8.05	6.99	5.48	4.46	3.75	3.22	2.74	2.30	1.94	1.65	1.43	-	-
-3.00	12.00	12.00	9.70	7.07	5.46	4.51	3.68	3.09	2.63	2.20	1.89	1.63	-	-	-
-4.00	-	-	8.59	6.79	5.44	4.35	3.63	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3CL 100-150 (Minimum Loads)	Hitch	CANT	+/- 40° - +/- 60° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.86	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.74	1.42	1.34	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.02	2.53	1.99a	1.72	1.41	1.15	1.08	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	2.88	2.32	1.89	1.61	1.32	1.11	0.91	0.88
3.00	-	-	-	-	5.16	3.86	2.93	2.55	2.16	1.83	1.52	1.23	1.04	0.86	0.78
2.00	-	-	-	-	5.07	3.78	2.88	2.28	1.88	1.68	1.42	1.18	0.97	0.81	0.73
1.00	-	-	-	-	4.88	3.73	2.90	2.16	1.80	1.52	1.32	1.10	0.92	0.76	0.72
0.00	-	-	-	-	4.91	3.64	2.80	2.11	1.74	1.47	1.25	1.06	0.88	0.76	0.73
-1.00	-	-	-	-	4.46	3.38	2.69	2.02	1.70	1.42	1.21	1.02	0.88	0.78	-
-2.00	-	-	9.21	5.88	4.38	3.32	2.65	2.06	1.69	1.41	1.21	1.03	0.92	-	-
-3.00	11.58k	10.99k	8.60	5.83	4.28	3.29	2.61	2.13	1.76	1.47	1.25	1.25	-	-	-
-4.00	-	-	8.92	5.94	4.45	3.52	2.93	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3CL 100-150 (Maximum Loads)	Hitch	CANT	+/- 40° - +/- 60° Over Osc End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	2.64	2.12	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.15	2.66	2.20	1.78	1.39	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.48a	3.13	2.65	2.22	1.82	1.44	1.14	-
4.00	-	-	-	-	6.16	5.13	4.13	3.62	3.03	2.58	2.20	1.82	1.46	1.15	0.88
3.00	-	-	-	-	6.65	5.32	4.24	3.43	2.99	2.54	2.17	1.82	1.45	1.15	0.88
2.00	-	-	-	-	6.78	5.22	4.15	3.43	2.92	2.51	2.16	1.78	1.40	1.11	0.85
1.00	-	-	-	-	6.54	5.19	4.12	3.45	2.89	2.48	2.05	1.66	1.34	1.04	0.80
0.00	-	-	-	-	5.16	4.87	3.94	3.20	2.78	2.32	1.95	1.56	1.23	0.98	0.76
-1.00	-	-	-	-	5.57	4.69	3.76	3.06	2.62	2.19	1.75	1.40	1.13	0.90	-
-2.00	-	-	10.65	8.53	5.98	4.54	3.64	3.01	2.44	1.97	1.58	1.29	1.07	-	-
-3.00	12.00	12.00	12.00	8.66	5.95	4.60	3.54	2.85	2.30	1.85	1.53	1.27	-	-	-
-4.00	-	-	11.82	8.14	5.92	4.39	3.48	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DL 100-150 (Minimum Loads)	Hitch	CANT	+/- 60° - +/- 120°		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.86	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.74	1.42	1.34	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.02	2.53	1.99a	1.72	1.41	1.15	1.08	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	2.88	2.32	1.89	1.61	1.32	1.11	0.91	0.88
3.00	-	-	-	-	5.16	3.86	2.93	2.55	2.16	1.83	1.52	1.23	1.04	0.86	0.78
2.00	-	-	-	-	5.07	3.78	2.88	2.28	1.88	1.68	1.42	1.18	0.97	0.81	0.73
1.00	-	-	-	-	4.88	3.73	2.90	2.16	1.80	1.52	1.32	1.10	0.92	0.76	0.72
0.00	-	-	-	-	4.91	3.64	2.80	2.11	1.74	1.47	1.25	1.06	0.88	0.76	0.73
-1.00	-	-	-	-	4.46	3.38	2.69	2.02	1.70	1.42	1.21	1.02	0.88	0.78	-
-2.00	-	-	9.21	5.88	4.38	3.32	2.65	2.06	1.69	1.41	1.21	1.03	0.92	-	-
-3.00	11.58k	10.99k	8.60	5.83	4.28	3.29	2.61	2.13	1.76	1.47	1.25	1.25	-	-	-
-4.00	-	-	8.92	5.94	4.45	3.52	2.93	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3DL 100-150 (Maximum Loads)	Hitch	CANT	+/- 60° - +/- 120°		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	2.64	2.12	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.15	2.66	2.20	1.77	1.39	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.48a	3.13	2.65	2.22	1.82	1.44	1.14	-
4.00	-	-	-	-	6.16	5.13	4.13	3.62	3.03	2.58	2.20	1.82	1.46	1.15	0.88
3.00	-	-	-	-	6.65	5.32	4.24	3.43	2.99	2.54	2.17	1.82	1.45	1.15	0.88
2.00	-	-	-	-	6.78	5.22	4.15	3.43	2.92	2.51	2.16	1.78	1.40	1.11	0.85
1.00	-	-	-	-	6.54	5.19	4.12	3.45	2.89	2.48	2.05	1.66	1.34	1.04	0.80
0.00	-	-	-	-	5.16	4.87	3.94	3.20	2.78	2.32	1.95	1.56	1.23	0.98	0.76
-1.00	-	-	-	-	5.57	4.69	3.76	3.06	2.62	2.18	1.75	1.40	1.13	0.90	-
-2.00	-	-	10.65	8.53	5.98	4.54	3.64	3.00	2.44	1.97	1.58	1.29	1.07	-	-
-3.00	12.00	12.00	12.00	8.66	5.95	4.60	3.54	2.85	2.30	1.85	1.53	1.27	-	-	-
-4.00	-	-	11.82	8.14	5.92	4.39	3.48	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EL 100-150 (Minimum Loads)	Hitch	CANT	+/- 120° - +/- 130° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.05	1.99a	1.72a	1.72a	1.60	1.53	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	2.88	2.43	1.70a	1.69a	1.57	1.34	1.31
3.00	-	-	-	-	5.76	4.47	3.39k	3.12k	2.74	2.37	1.73a	1.72	1.50	1.29	1.21
2.00	-	-	-	-	5.67	4.41	3.49	2.92	2.48	2.25	1.82a	1.66	1.43	1.24	1.14
1.00	-	-	-	-	5.49	4.36	3.52	2.80	2.42	2.09	1.85	1.59	1.39	1.20	1.14
0.00	-	-	-	-	5.53	4.28	3.42	2.76	2.35	2.03	1.78	1.55	1.34	1.19	1.16
-1.00	-	-	-	-	5.13	4.04	3.32	2.68	2.31	1.99	1.74	1.51	1.34	1.22	-
-2.00	-	-	9.39	6.50	5.05	4.00	3.29	2.72	2.30	1.98	1.73	1.52	1.39	-	-
-3.00	11.58k	10.99k	8.89	6.46	4.97	3.97	3.26	2.78	2.36	2.04	1.78	1.77	-	-	-
-4.00	-	-	9.16	6.55	5.12	4.18	3.55	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3EL 100-150 (Maximum Loads)	Hitch	CANT	+/- 120° - +/- 130° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.13	2.66	2.26	1.86	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.54a	3.15	2.73	2.28	1.91	1.59	-
4.00	-	-	-	-	6.60	5.70	4.71	3.97	3.55	3.09	2.71	2.30	1.93	1.60	1.31
3.00	-	-	-	-	6.88b	5.85	4.81	3.98	3.52	3.05	2.69	2.29	1.92	1.59	1.31
2.00	-	-	-	-	6.98b	5.79	4.73	3.99	3.45	3.03	2.68	2.25a	1.87	1.56	1.28
1.00	-	-	-	-	7.04	5.77	4.71	4.01	3.42	3.00	2.57	2.16	1.81	1.49	1.23
0.00	-	-	-	-	5.77	5.49	4.54	3.77	3.33	2.87	2.48	2.06	1.71	1.43	1.19
-1.00	-	-	-	-	6.20	5.32	4.38	3.65	3.18	2.75	2.29	1.92	1.61	1.35	-
-2.00	-	-	10.53	8.84	6.58	5.20	4.27	3.60	3.03	2.55	2.14	1.81	1.56	-	-
-3.00	12.00	12.00	12.00	8.94	6.55	5.25	4.18	3.47	2.92	2.44	2.09	1.79	-	-	-
-4.00	-	-	11.41	8.51	6.53	5.06	4.13	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FL 100-150 (Minimum Loads)	Hitch	CANT	+/- 130° - +/- 140° Over Fixed End		90%	



	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.72	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.13	2.68	1.70a	1.69a	1.70a	1.52	1.49
3.00	-	-	-	-	5.95b	4.85	3.39k	3.12k	2.99	2.63	1.73a	1.75a	1.69	1.47	1.38
2.00	-	-	-	-	5.86b	4.78	3.81	3.13k	2.76	2.50	1.82a	1.81a	1.62	1.42	1.32
1.00	-	-	-	-	5.79b	4.74	3.84	3.08	2.70	2.35	1.92a	1.80	1.58	1.38	1.32
0.00	-	-	-	-	5.98	4.65	3.74	3.04	2.63	2.28	2.01	1.76	1.53	1.37	1.33
-1.00	-	-	-	-	5.58	4.42	3.65	2.96	2.59	2.24	1.97	1.72	1.53	1.41	-
-2.00	-	-	10.15	7.06	5.50	4.37	3.62	3.00	2.58	2.23	1.96	1.73	1.59	-	-
-3.00	11.58k	10.99k	9.62	7.02	5.41	4.35	3.58	3.07	2.64	2.29	2.01	2.00	-	-	-
-4.00	-	-	9.90	7.11	5.57	4.55	3.88	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3FL 100-150 (Maximum Loads)	Hitch	CANT	+/- 130° - +/- 140° Over Fixed End		90%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.24a	2.88	2.46	2.07	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.58	3.36	2.94	2.50a	2.10	1.77	-
4.00	-	-	-	-	6.81b	6.13	5.08	4.12	3.80	3.33	2.92	2.53	2.13	1.79	1.49
3.00	-	-	-	-	7.05	6.29	5.17b	4.30	3.78	3.28	2.91	2.52	2.10	1.79	1.49
2.00	-	-	-	-	7.19	6.11	5.08	4.31	3.68k	3.28	2.91	2.47	2.08	1.75	1.45
1.00	-	-	-	-	7.19b	6.15	5.08	4.24	3.69	3.25	2.81	2.38	2.02	1.68	1.41
0.00	-	-	-	-	6.23	5.93	4.91	4.09	3.58k	3.12	2.70	2.29	1.92	1.63	1.37
-1.00	-	-	-	-	6.72	5.77	4.76	3.97	3.46	3.00	2.54	2.14	1.82	1.54	-
-2.00	-	-	11.38	9.56	7.13	5.64	4.64	3.92	3.31	2.81	2.38	2.04	1.77	-	-
-3.00	12.00	12.00	12.00	9.67	7.10	5.69	4.55	3.79	3.20	2.72	2.34	2.01	-	-	-
-4.00	-	-	12.00	9.20	7.08	5.50	4.51	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3GL 100-150 (Minimum Loads)	Hitch	CANT	+/- 140° - +/- 160° Over Fixed End		90%	

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.70
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	2.91	1.92a	1.92a	1.94a	1.77	1.70
0.00	-	-	-	-	7.19	5.61	4.52	3.71	3.11k	2.57a	2.25a	2.19a	1.96	1.77	1.72
-1.00	-	-	-	-	6.76	5.36	4.44	3.57k	3.12k	2.71a	2.49	2.19	1.96	1.81	-
-2.00	-	-	12.00	8.61	6.68	5.32	4.40	3.32k	3.17k	2.80	2.48	2.21	2.03	-	-
-3.00	11.58k	10.99k	11.36k	8.58	6.59	5.29	4.36	3.74	3.23	2.86	2.53	2.52	-	-	-
-4.00	-	-	12.00	8.67	6.76	5.51	4.69	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3GL 100-150 (Maximum Loads)	Hitch	CANT	+/- 140° - +/- 160° Over Fixed End		90%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.60a	3.38	2.96a	2.55	2.21	-
4.00	-	-	-	-	6.81b	6.68	5.89b	4.63	4.21	3.83	3.40	2.98	2.58	2.21	1.78a
3.00	-	-	-	-	7.62b	7.19	6.03	5.10	4.33	3.83	3.39	2.97	2.57	2.20	1.86
2.00	-	-	-	-	7.56b	7.23	5.93	4.97	4.30	3.80	3.37	2.94	2.54a	2.17	1.85
1.00	-	-	-	-	7.96	7.17b	5.90	5.02b	4.28	3.82	3.31	2.85	2.47	2.11	1.81
0.00	-	-	-	-	7.49	7.11	5.86	4.86	4.24	3.71	3.22	2.76	2.40	2.06	1.77
-1.00	-	-	-	-	8.17	6.95	5.70	4.76	4.13k	3.58	3.08	2.66	2.29	1.97	-
-2.00	-	-	12.00	11.81	8.68	6.82	5.58	4.70	3.98	3.40	2.93	2.55	2.24	-	-
-3.00	12.00	12.00	12.00	11.93	8.63	6.87	5.49	4.57	3.87	3.30	2.89	2.53	-	-	-
-4.00	-	-	12.00	11.33	8.63	6.67	5.45	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3HL 100-150 (Minimum Loads)	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		90%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.88a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.08a	2.43a	1.77a	1.78a	1.81a	1.80a	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	3.06a	3.19a	1.99a	1.72a	1.72a	1.72a	1.73a	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	3.16k	3.14k	2.88b	1.70a	1.69a	1.70a	1.70a	1.78a
3.00	-	-	-	-	5.95b	4.94b	3.39k	3.12k	3.14k	2.86b	1.73a	1.75a	1.73a	1.72a	1.73a
2.00	-	-	-	-	5.86b	4.92b	4.16b	3.13k	3.13k	2.78a	1.82a	1.81a	1.81a	1.75a	1.75a
1.00	-	-	-	-	5.79b	4.88b	4.19b	3.19k	3.13k	3.07a	1.92a	1.92a	1.94a	1.86a	1.84a
0.00	-	-	-	-	9.03b	7.07b	5.79b	5.04k	3.11k	2.57a	2.25a	2.19a	2.07a	1.98a	1.98a
-1.00	-	-	-	-	10.89k	9.03b	7.48b	3.57k	3.12k	2.71a	2.59a	2.46a	2.29a	2.20a	-
-2.00	-	-	12.00	10.93k	10.93k	7.15a	5.17a	3.32k	3.17k	3.07a	2.93a	2.62a	2.51a	-	-
-3.00	12.00	12.00	11.36k	11.43k	9.42a	6.29a	5.47a	4.26k	3.65k	3.13k	3.17k	3.14a	-	-	-
-4.00	-	-	12.00	11.61b	9.51a	7.98a	6.40a	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety	
3HL 100-150 (Maximum Loads)	Hitch	CANT	+/- 160° - +/- 180° Over Fixed End		90%	


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.14a	3.03a	2.57a	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.21a	3.24a	3.25a	3.18a	2.92a	2.11a	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.56a	3.62a	3.61a	3.56a	3.40a	3.02a	2.32a	-
4.00	-	-	-	-	6.81b	7.50b	7.11b	5.53a	4.57a	4.52a	4.27a	4.04a	3.60a	3.09a	1.78a
3.00	-	-	-	-	7.68b	8.06b	8.16b	7.97b	6.42b	5.77b	4.88a	4.91k	4.30a	3.56a	2.44a
2.00	-	-	-	-	7.71b	7.93b	8.06b	8.00b	7.36b	6.49b	5.71b	4.93b	4.89b	4.11a	2.72a
1.00	-	-	-	-	8.87b	8.93b	8.71b	8.21b	7.57b	6.80b	6.02b	5.53b	4.94b	4.40a	2.94a
0.00	-	-	-	-	10.93b	10.34b	9.46b	8.71b	7.67b	6.83b	6.16b	5.59b	4.94a	4.45a	2.35a
-1.00	-	-	-	-	12.00	12.00b	10.17b	8.88b	7.73b	6.90k	6.20b	5.57b	4.76k	3.74a	-
-2.00	-	-	12.00	12.00	12.00	12.00	10.33b	8.93b	7.90b	6.95b	6.09b	4.68k	4.47a	-	-
-3.00	12.00	12.00	12.00	12.00	12.00	12.00	10.32b	8.66b	7.44b	6.25b	4.98b	3.96a	-	-	-
-4.00	-	-	12.00	12.00	11.62b	9.48b	7.96b	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
4AU 150+ (Minimum Loads)	Hitch	SUPER CANT	+/- 180°		67%


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.02	1.66	1.59	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.68	1.40	1.20	1.06	-	-	-	-
6.00	-	-	-	-	-	-	2.04	1.66	1.41	1.20	1.00	0.84	0.80	-	-
5.00	-	-	-	-	2.75a	2.26	1.90	1.60	1.37	1.16	0.99	0.83	0.70	0.67	-
4.00	-	-	-	-	2.57	2.10	1.76	1.51	1.25	1.05	0.92	0.78	0.68	0.56	0.53
3.00	-	-	-	-	2.44	1.90	1.47	1.30	1.16	1.02	0.87	0.73	0.63	0.51	0.45
2.00	-	-	-	-	2.40	1.86	1.44	1.16	1.00	0.92	0.80	0.69	0.59	0.47	0.41
1.00	-	-	-	-	2.31	1.83	1.45	1.11	0.96	0.84	0.75	0.65	0.54	0.43	0.40
0.00	-	-	-	-	2.32	1.76	1.39	1.08	0.92	0.81	0.71	0.63	0.51	0.42	0.40
-1.00	-	-	-	-	2.08	1.63	1.32	1.03	0.90	0.79	0.69	0.60	0.50	0.44	-
-2.00	-	-	3.53	2.57	2.03	1.59	1.30	1.05	0.90	0.78	0.69	0.61	0.54	-	-
-3.00	9.31	4.71	3.35	2.53	1.98	1.57	1.29	1.09	0.94	0.81	0.72	0.72	-	-	-
-4.00	-	-	3.47	2.60	2.07	1.70	1.45	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
4AU 150+ (Maximum Loads)	Hitch	SUPER CANT	+/- 180°		67%


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.34	1.98	1.64	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.98	1.69	1.45	1.19	-	-	-	-
6.00	-	-	-	-	-	-	2.04	1.94	1.69	1.45	1.24	1.02	0.83	-	-
5.00	-	-	-	-	2.96a	2.56	2.24	1.96	1.68	1.44	1.24	1.05	0.85	0.70	-
4.00	-	-	-	-	3.05	2.65	2.21	1.89	1.61	1.40	1.23	1.05	0.86	0.70	0.53
3.00	-	-	-	-	3.00	2.56	2.13	1.79	1.59	1.38	1.21	1.05	0.86	0.70	0.53
2.00	-	-	-	-	3.04	2.50	2.08	1.78	1.55	1.36	1.21	1.02	0.83	0.68	0.50
1.00	-	-	-	-	2.96	2.49	2.07	1.78	1.53	1.35	1.14	0.95	0.79	0.64	0.47
0.00	-	-	-	-	2.41	2.32	1.96	1.65	1.46	1.26	1.09	0.89	0.73	0.60	0.43
-1.00	-	-	-	-	2.49	2.21	1.86	1.55	1.37	1.18	0.98	0.81	0.67	0.52	-
-2.00	-	-	3.87	3.35	2.63	2.14	1.79	1.52	1.26	1.06	0.88	0.74	0.63	-	-
-3.00	9.68	5.79	4.65	3.39	2.63	2.16	1.73	1.43	1.19	0.99	0.85	0.72	-	-	-
-4.00	-	-	4.13	3.26	2.60	2.05	1.69	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
4AL 150+ (Minimum Loads)	Hitch	SUPER CANT	+/- 180°		90%


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	2.40a	2.18a	2.20a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	2.21a	1.98a	1.88a	1.85	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.02	2.43a	1.77a	1.74	1.43	1.35	-	-
5.00	-	-	-	-	2.75a	2.89a	2.95a	2.93	2.48	1.99a	1.72	1.42	1.18	1.11	-
4.00	-	-	-	-	3.16a	3.11k	3.11k	2.80	2.28	1.88	1.62	1.33	1.14	0.94	0.92
3.00	-	-	-	-	4.76	3.65	2.83	2.48	2.13	1.82	1.53	1.26	1.07	0.89	0.82
2.00	-	-	-	-	4.68	3.58	2.79	2.24	1.87	1.68	1.44	1.20	1.00	0.85	0.77
1.00	-	-	-	-	4.51	3.54	2.81	2.12	1.80	1.53	1.34	1.13	0.96	0.80	0.76
0.00	-	-	-	-	4.54	3.45	2.71	2.08	1.74	1.48	1.27	1.10	0.91	0.80	0.77
-1.00	-	-	-	-	4.15	3.22	2.60	2.00	1.70	1.44	1.24	1.05	0.91	0.82	-
-2.00	-	-	7.71	5.29	4.07	3.17	2.57	2.03	1.69	1.43	1.23	1.06	0.96	-	-
-3.00	11.58k	10.99k	7.28	5.23	3.99	3.14	2.53	2.10	1.75	1.49	1.28	1.27	-	-	-
-4.00	-	-	7.53	5.34	4.13	3.35	2.83	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
4AL 150+ (Maximum Loads)	Hitch	SUPER CANT	+/- 180°		90%


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	3.05a	2.95a	2.23a	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	3.15a	3.04	2.58	2.09	-	-	-	-
6.00	-	-	-	-	-	-	3.02a	3.18a	3.06	2.60	2.17	1.77	1.41	-	-
5.00	-	-	-	-	2.96a	3.27a	3.46a	3.47a	3.03	2.59	2.19	1.81	1.45	1.17	-
4.00	-	-	-	-	5.59	4.74	3.95	3.47	2.94	2.52	2.17	1.82	1.47	1.18	0.92
3.00	-	-	-	-	5.96	4.91	4.00	3.29	2.90	2.48	2.14	1.81	1.46	1.17	0.91
2.00	-	-	-	-	6.06	4.81	3.92	3.29	2.84	2.46	2.13	1.77	1.41	1.14	0.88
1.00	-	-	-	-	5.87	4.79	3.90	3.31	2.81	2.43	2.02	1.66	1.36	1.07	0.84
0.00	-	-	-	-	4.74	4.51	3.73	3.08	2.71	2.28	1.93	1.56	1.26	1.01	0.80
-1.00	-	-	-	-	5.05	4.35	3.57	2.95	2.55	2.15	1.75	1.42	1.16	0.93	-
-2.00	-	-	8.66	7.24	5.37	4.22	3.46	2.90	2.38	1.95	1.59	1.31	1.10	-	-
-3.00	12.00	12.00	11.08	7.34	5.35	4.27	3.37	2.76	2.26	1.84	1.54	1.29	-	-	-
-4.00	-	-	9.41	6.98	5.32	4.09	3.32	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
4Max Travel AU (Minimum Loads)	Hitch	SUPER CANT	+/- 180°		25%


	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	0.76	0.62	0.59	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	0.63	0.52	0.45	0.40	-	-	-	-
6.00	-	-	-	-	-	-	0.76	0.62	0.53	0.45	0.37	0.31	0.30	-	-
5.00	-	-	-	-	1.10	0.84	0.71	0.60	0.51	0.43	0.37	0.31	0.26	0.25	-
4.00	-	-	-	-	0.96	0.78	0.66	0.57	0.47	0.39	0.34	0.29	0.25	0.21	0.21
3.00	-	-	-	-	0.91	0.71	0.55	0.49	0.43	0.38	0.32	0.27	0.24	0.20	0.19
2.00	-	-	-	-	0.90	0.69	0.54	0.43	0.37	0.34	0.30	0.26	0.22	0.19	0.18
1.00	-	-	-	-	0.86	0.68	0.54	0.41	0.36	0.31	0.28	0.24	0.21	0.18	0.17
0.00	-	-	-	-	0.86	0.66	0.52	0.40	0.35	0.30	0.27	0.24	0.20	0.18	0.18
-1.00	-	-	-	-	0.78	0.61	0.49	0.39	0.34	0.29	0.26	0.22	0.20	0.18	-
-2.00	-	-	1.32	0.96	0.76	0.59	0.48	0.39	0.33	0.29	0.26	0.23	0.21	-	-
-3.00	3.48	1.76	1.25	0.94	0.74	0.59	0.48	0.41	0.35	0.30	0.27	0.27	-	-	-
-4.00	-	-	1.30	0.97	0.77	0.64	0.54	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
4Max Travel AU (Maximum Loads)	Hitch	SUPER CANT	+/- 180°		25%

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	0.87	0.74	0.61	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	0.74	0.63	0.54	0.44	-	-	-	-
6.00	-	-	-	-	-	-	0.76	0.72	0.63	0.54	0.46	0.38	0.31	-	-
5.00	-	-	-	-	1.21	0.96	0.84	0.73	0.63	0.54	0.46	0.39	0.32	0.26	-
4.00	-	-	-	-	1.14	0.99	0.83	0.71	0.60	0.52	0.46	0.39	0.32	0.26	0.21
3.00	-	-	-	-	1.12	0.96	0.80	0.67	0.59	0.51	0.45	0.39	0.32	0.26	0.21
2.00	-	-	-	-	1.13	0.93	0.78	0.66	0.58	0.51	0.45	0.38	0.31	0.25	0.20
1.00	-	-	-	-	1.10	0.93	0.77	0.67	0.57	0.50	0.43	0.36	0.30	0.24	0.19
0.00	-	-	-	-	0.90	0.86	0.73	0.62	0.55	0.47	0.41	0.33	0.27	0.22	0.18
-1.00	-	-	-	-	0.93	0.82	0.69	0.58	0.51	0.44	0.36	0.30	0.25	0.21	-
-2.00	-	-	1.44	1.25	0.98	0.80	0.67	0.57	0.47	0.40	0.33	0.28	0.24	-	-
-3.00	3.61	2.16	1.73	1.27	0.98	0.81	0.65	0.53	0.44	0.37	0.32	0.27	-	-	-
-4.00	-	-	1.54	1.22	0.97	0.77	0.63	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
4Max Cant AL (Minimum Loads)	Hitch	SUPER CANT	+/- 180°		25%

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	1.02	0.84	0.80	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	0.85	0.70	0.61	0.54	-	-	-	-
6.00	-	-	-	-	-	-	1.03	0.84	0.71	0.61	0.51	0.43	0.41	-	-
5.00	-	-	-	-	1.58	1.17	0.97	0.81	0.69	0.59	0.50	0.43	0.37	0.35	-
4.00	-	-	-	-	1.37	1.12	0.93	0.78	0.65	0.55	0.48	0.41	0.36	0.31	0.30
3.00	-	-	-	-	1.32	1.01	0.79	0.70	0.61	0.53	0.46	0.39	0.34	0.30	0.28
2.00	-	-	-	-	1.30	0.99	0.78	0.63	0.54	0.50	0.43	0.38	0.33	0.29	0.27
1.00	-	-	-	-	1.25	0.98	0.78	0.61	0.52	0.46	0.41	0.36	0.31	0.28	0.27
0.00	-	-	-	-	1.26	0.96	0.75	0.59	0.51	0.44	0.39	0.35	0.30	0.27	0.27
-1.00	-	-	-	-	1.15	0.90	0.73	0.57	0.50	0.43	0.38	0.34	0.30	0.28	-
-2.00	-	-	2.14	1.47	1.13	0.88	0.72	0.58	0.50	0.43	0.38	0.34	0.32	-	-
-3.00	10.28	3.13	2.02	1.45	1.11	0.87	0.71	0.60	0.51	0.45	0.39	0.39	-	-	-
-4.00	-	-	2.09	1.48	1.15	0.93	0.79	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Duty	Lift Point	Config	Sector	Osc Axle	Safety
4Max Cant AL (Maximum Loads)	Hitch	SUPER CANT	+/- 180°		25%

	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
10.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.00	-	-	-	-	-	-	1.20	1.00	0.82	-	-	-	-	-	-
7.00	-	-	-	-	-	-	-	1.00	0.85	0.72	0.60	-	-	-	-
6.00	-	-	-	-	-	-	1.03	0.98	0.85	0.73	0.62	0.52	0.43	-	-
5.00	-	-	-	-	1.77	1.34	1.15	1.00	0.84	0.72	0.62	0.53	0.44	0.37	-
4.00	-	-	-	-	1.65	1.40	1.14	0.96	0.82	0.71	0.62	0.53	0.44	0.37	0.30
3.00	-	-	-	-	1.65	1.36	1.11	0.91	0.81	0.70	0.61	0.53	0.44	0.37	0.30
2.00	-	-	-	-	1.68	1.34	1.09	0.91	0.79	0.69	0.61	0.52	0.43	0.36	0.30
1.00	-	-	-	-	1.63	1.33	1.08	0.92	0.78	0.68	0.58	0.49	0.41	0.34	0.29
0.00	-	-	-	-	1.32	1.25	1.04	0.86	0.75	0.64	0.56	0.47	0.39	0.33	0.28
-1.00	-	-	-	-	1.40	1.21	0.99	0.82	0.71	0.61	0.51	0.43	0.36	0.31	-
-2.00	-	-	2.41	2.01	1.49	1.17	0.96	0.81	0.67	0.56	0.47	0.40	0.35	-	-
-3.00	11.25	4.21	3.08	2.04	1.49	1.19	0.94	0.77	0.64	0.53	0.46	0.40	-	-	-
-4.00	-	-	2.61	1.94	1.48	1.14	0.92	-	-	-	-	-	-	-	-
-5.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 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).