

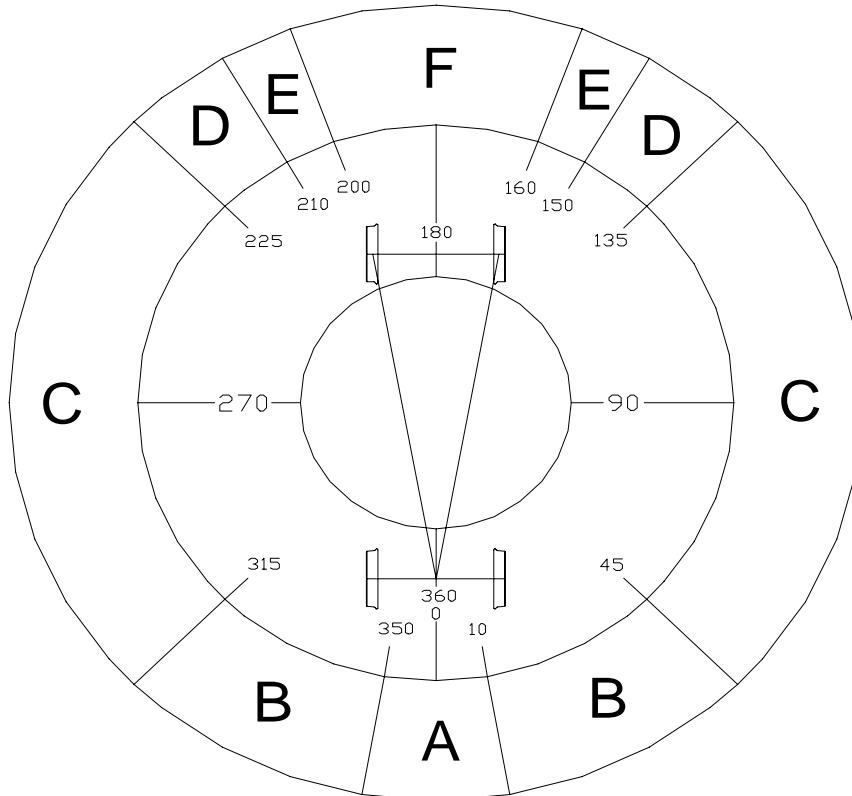
GIGARAILER

by REXQUOTE

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Fixed Axle



Oscillating Axle

Machine Type: Terex Gigarailler 12
 Serial Number: 180S301292
 Rail Axle Number: 2235
 Equipment: Boom 1.92m Artic 3.34m Arm 1.8m
 Date: 28 July 2008
 Issue: 1
 Software Version: V0.35

This machine is equipped with a Rexquote Rated Capacity Indicator.
 This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 1

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 above show both the upper & lower limits of the loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity (87% of 355 bar).

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

SECTOR A

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.67	6.46	-	-	-	-	-
6.0m	-	-	-	-	7.69	6.51	5.62	4.9	-	-	-
5.0m	-	-	-	-	7.66	6.45	5.58	4.91	4.35	-	-
4.0m	-	-	-	-	-	6.42	5.5	4.85	4.32	3.88	-
3.0m	-	-	-	-	-	6.38	5.45	4.77	4.27	3.85	3.48
2.0m	-	-	-	-	7.5	6.29	5.38	4.69	4.21	3.81	3.46
1.0m	-	-	-	-	7.29	6.14	5.28	4.63	4.16	3.77	3.44
0.0m	-	-	-	8.6	7.09	6	5.19	4.6	4.13	3.75	-
-1.0m	-	9.93a	10.51	8.38	6.94	5.91	5.16	4.59	4.13	-	-
-2.0m	9.23a	10.10a	10.43	8.35	6.96	5.97	5.23	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.7	6.46	-	-	-	-	-
6.0m	-	-	-	-	7.71	6.57	5.68	4.91	-	-	-
5.0m	-	-	-	-	7.67	6.56	5.72	5	4.38	-	-
4.0m	-	-	-	-	-	6.53	5.7	5.04	4.41	3.9	-
3.0m	-	-	-	-	-	6.5	5.69	5.03	4.41	3.91	3.48
2.0m	-	-	-	-	7.57	6.5	5.66	4.98	4.38	3.88	3.47
1.0m	-	-	-	-	7.45	6.38	5.55	4.91	4.32	3.85	3.45
0.0m	-	-	-	8.73	7.3	6.26	5.47	4.81	4.25	3.79	-
-1.0m	-	11.28a	10.7	8.61	7.21	6.18	5.37	4.71	4.19	-	-
-2.0m	12	12	10.66	8.57	7.15	6.09	5.3	-	-	-	-

Road
 Locked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	8.25b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.78b	6.86	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	6.41b	5.91	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	6.00b	5.88	5.16	-
3.0m	-	-	-	-	-	7.16b	6.37b	6.08b	5.81	5.12	4.55
2.0m	-	-	-	-	8.15b	7.15b	6.75b	6.58	5.74	5.07	4.52
1.0m	-	-	-	-	9.43b	8.46b	7.7	6.51	5.68	5.02	4.5
0.0m	-	-	-	12	10.95b	9.21	7.57	6.46	5.64	5	-
-1.0m	-	9.93a	10.87a	12	11.44b	9.09	7.54	6.45	5.64	-	-
-2.0m	9.23a	10.10a	11.85a	11.88b	10.21b	8.96b	7.63	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	8.36b	-	-	-	-	-
6.0m	-	-	-	-	8.56b	8.09b	7.67b	6.87	-	-	-
5.0m	-	-	-	-	8.39b	8.44b	7.90b	6.93	5.95	-	-
4.0m	-	-	-	-	-	8.21b	8.04	6.91	6	5.19	-
3.0m	-	-	-	-	-	8.26b	8.01	6.9	5.99	5.2	4.55
2.0m	-	-	-	-	8.74b	8.94b	8	6.91	5.95	5.16	4.54
1.0m	-	-	-	-	10.56b	9.53	8.03	6.87	5.88	5.12	4.51
0.0m	-	-	-	12	11.75b	9.59	7.96	6.74	5.79	5.05	-
-1.0m	-	11.28a	12	12	11.87	9.47	7.83	6.61	5.71	-	-
-2.0m	12.46a	12	12	12	11.79	9.34	7.73	-	-	-	-

Level Rail
 0-50mm
 67% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.29	6.31	-	-	-	-	-
6.0m	-	-	-	-	7.28	6.32	5.56	4.93	-	-	-
5.0m	-	-	-	-	-	6.26	5.52	4.92	4.43	-	-
4.0m	-	-	-	-	-	6.25	5.44	4.87	4.4	3.99	-
3.0m	-	-	-	-	-	6.21	5.41	4.8	4.35	3.96	3.63
2.0m	-	-	-	-	7.11	6.11	5.35	4.74	4.3	3.93	3.61
1.0m	-	-	-	-	6.94	6	5.26	4.69	4.26	3.9	3.59
0.0m	-	-	9.63	7.98	6.78	5.88	5.19	4.67	4.24	3.89	-
-1.0m	8.81a	9.60a	9.4	7.82	6.68	5.83	5.18	4.67	4.25	-	-
-2.0m	10.33a	11.49a	9.39	7.84	6.73	5.89	5.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.31	6.32	-	-	-	-	-
6.0m	-	-	-	-	7.31	6.37	5.63	4.95	-	-	-
5.0m	-	-	-	-	-	6.36	5.64	5.02	4.46	-	-
4.0m	-	-	-	-	-	6.33	5.63	5.04	4.48	4.02	-
3.0m	-	-	-	-	-	6.31	5.62	5.03	4.48	4.02	3.63
2.0m	-	-	-	-	7.2	6.3	5.58	4.97	4.44	4	3.62
1.0m	-	-	-	-	7.07	6.19	5.5	4.92	4.39	3.96	3.59
0.0m	-	-	9.63	8.08	6.97	6.11	5.42	4.83	4.33	3.92	-
-1.0m	9.17a	11.83	9.56	8.01	6.9	6.05	5.33	4.76	4.28	-	-
-2.0m	12	11.82	9.55	7.99	6.86	5.97	5.27	-	-	-	-

Level Rail
 0-50mm
 90% SWL
 Locked




	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.71b	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.72b	6.09
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	7.00b	6.72	6.06
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.67b	7.47	6.68	6.03
0.0m	-	-	12	12	11.18b	9.88b	8.95b	7.96b	7.20b	6.45b	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	7.14b	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	7.29b	6.84b	-
3.0m	-	-	-	-	-	8.35b	8.50b	8.16b	7.54b	6.84b	6.09
2.0m	-	-	-	-	9.08b	9.18b	8.91b	8.41b	7.58	6.85	6.07
1.0m	-	-	-	-	10.89b	10.16b	9.34b	8.44b	7.61	6.77	6.03
0.0m	-	-	12	12	12	10.55b	9.40b	8.49b	7.58	6.7	-
-1.0m	9.17a	12	12	12	12	10.66b	9.51b	8.39b	7.02b	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-

SECTOR A


LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Canted Rail
50-150mm
67% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.77	4.97	-	-	-	-	-
6.0m	-	-	-	-	5.76	4.98	4.37	3.86	-	-	-
5.0m	-	-	-	-	-	4.92	4.33	3.85	3.45	-	-
4.0m	-	-	-	-	-	4.92	4.25	3.8	3.42	3.09	-
3.0m	-	-	-	-	-	4.87	4.22	3.73	3.37	3.07	2.8
2.0m	-	-	-	-	5.59	4.78	4.16	3.66	3.32	3.03	2.78
1.0m	-	-	-	-	5.42	4.66	4.07	3.62	3.28	3	2.76
0.0m	-	-	7.52	6.21	5.26	4.55	4	3.59	3.26	2.99	-
-1.0m	8.81a	9.13	7.3	6.06	5.16	4.49	3.99	3.59	3.28	-	-
-2.0m	10.33a	9.08	7.28	6.07	5.21	4.56	4.07	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.79	4.99	-	-	-	-	-
6.0m	-	-	-	-	5.79	5.04	4.44	3.88	-	-	-
5.0m	-	-	-	-	-	5.02	4.45	3.95	3.48	-	-
4.0m	-	-	-	-	-	5	4.44	3.97	3.51	3.12	-
3.0m	-	-	-	-	-	4.98	4.43	3.96	3.51	3.12	2.8
2.0m	-	-	-	-	5.68	4.96	4.39	3.9	3.46	3.1	2.79
1.0m	-	-	-	-	5.55	4.86	4.31	3.84	3.41	3.06	2.76
0.0m	-	-	7.52	6.32	5.45	4.77	4.23	3.76	3.35	3.02	-
-1.0m	9.17a	9.23	7.46	6.25	5.38	4.71	4.14	3.69	3.3	-	-
-2.0m	12	9.22	7.44	6.23	5.34	4.64	4.08	-	-	-	-

Canted Rail
50-150mm
90% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	6.56	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	5.84	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	5.8	5.23	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	5.73	5.19	4.72
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.28	5.66	5.14	4.7
1.0m	-	-	-	-	9.53	8.11	7.03	6.21	5.6	5.1	4.68
0.0m	-	-	12	11.14	9.3	7.94	6.92	6.18	5.58	5.08	-
-1.0m	8.81a	9.60a	10.62a	10.91	9.14	7.86	6.92	6.18	5.59	-	-
-2.0m	10.33a	11.49a	12	10.93	9.21	7.96	7.03	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.48	6.59	-	-	-
5.0m	-	-	-	-	-	8.49	7.46	6.65b	5.89	-	-
4.0m	-	-	-	-	-	8.10b	7.43	6.63b	5.93	5.27	-
3.0m	-	-	-	-	-	8.35b	7.41	6.63b	5.93	5.27	4.73
2.0m	-	-	-	-	9.08b	8.4	7.42	6.62	5.86	5.24	4.71
1.0m	-	-	-	-	9.72	8.4	7.38	6.54	5.79	5.18	4.68
0.0m	-	-	12	11.3	9.57	8.27	7.26	6.41	5.7	5.12	-
-1.0m	9.17a	12	12	11.19	9.47	8.19	7.14	6.32	5.64	-	-
-2.0m	12	12	12	11.16	9.4	8.08	7.05	-	-	-	-

Max Cant + Twist
150-177mm
67% SWL
Unlocked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.03	2.56	-	-	-	-	-
6.0m	-	-	-	-	3.02	2.57	2.22	1.92	-	-	-
5.0m	-	-	-	-	-	2.51	2.18	1.91	1.68	-	-
4.0m	-	-	-	-	-	2.51	2.11	1.86	1.65	1.47	-
3.0m	-	-	-	-	-	2.46	2.07	1.79	1.6	1.45	1.3
2.0m	-	-	-	-	2.85	2.37	2.01	1.73	1.56	1.41	1.28
1.0m	-	-	-	-	2.68	2.25	1.92	1.68	1.52	1.38	1.27
0.0m	-	-	3.73	3.03	2.52	2.14	1.85	1.65	1.5	1.37	-
-1.0m	5.92	4.43	3.5	2.87	2.42	2.08	1.84	1.66	1.51	-	-
-2.0m	5.85	4.38	3.49	2.89	2.46	2.15	1.92	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.04	2.58	-	-	-	-	-
6.0m	-	-	-	-	3.04	2.63	2.29	1.94	-	-	-
5.0m	-	-	-	-	-	2.61	2.3	2.01	1.72	-	-
4.0m	-	-	-	-	-	2.59	2.29	2.03	1.74	1.5	-
3.0m	-	-	-	-	-	2.57	2.28	2.02	1.74	1.5	1.3
2.0m	-	-	-	-	2.94	2.55	2.24	1.96	1.7	1.48	1.29
1.0m	-	-	-	-	2.8	2.45	2.16	1.91	1.65	1.44	1.27
0.0m	-	-	3.73	3.13	2.7	2.36	2.08	1.82	1.58	1.4	-
-1.0m	5.95	4.54	3.66	3.06	2.64	2.3	1.99	1.75	1.54	-	-
-2.0m	5.97	4.53	3.65	3.04	2.59	2.23	1.94	-	-	-	-

Max Cant + Twist
150-177mm
75% SWL
Locked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

SECTOR B

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.68	3.97	-	-	-	-	-
6.0m	-	-	-	-	4.69	4.02	3.49	3.05	-	-	-
5.0m	-	-	-	-	4.67	3.96	3.46	3.05	2.71	-	-
4.0m	-	-	-	-	-	3.94	3.38	3	2.68	2.41	-
3.0m	-	-	-	-	-	3.91	3.34	2.93	2.63	2.38	2.15
2.0m	-	-	-	-	4.53	3.82	3.28	2.86	2.58	2.34	2.14
1.0m	-	-	-	-	4.35	3.69	3.18	2.8	2.54	2.31	2.12
0.0m	-	-	-	4.98	4.17	3.57	3.1	2.77	2.51	2.29	-
-1.0m	-	7.4	5.83	4.79	4.04	3.49	3.08	2.77	2.51	-	-
-2.0m	9.23a	7.27	5.76	4.76	4.06	3.54	3.14	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.7	3.98	-	-	-	-	-
6.0m	-	-	-	-	4.71	4.08	3.54	3.05	-	-	-
5.0m	-	-	-	-	4.68	4.06	3.58	3.14	2.73	-	-
4.0m	-	-	-	-	-	4.03	3.57	3.17	2.77	2.43	-
3.0m	-	-	-	-	-	4.01	3.56	3.17	2.77	2.44	2.15
2.0m	-	-	-	-	4.59	4.01	3.53	3.12	2.73	2.41	2.14
1.0m	-	-	-	-	4.48	3.9	3.43	3.05	2.68	2.38	2.12
0.0m	-	-	-	5.08	4.36	3.8	3.36	2.96	2.62	2.33	-
-1.0m	-	7.46	5.99	4.99	4.27	3.72	3.27	2.87	2.56	-	-
-2.0m	9.93	7.44	5.95	4.95	4.23	3.65	3.21	-	-	-	-

Road
 Locked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	7.25	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.31	5.52	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.28	5.53	4.91	-	-
4.0m	-	-	-	-	-	7.19b	6.19	5.47	4.88	4.39	-
3.0m	-	-	-	-	-	7.16b	6.15	5.39	4.83	4.36	3.95
2.0m	-	-	-	-	8.15b	7.08	6.08	5.31	4.77	4.32	3.93
1.0m	-	-	-	-	8.22	6.93	5.98	5.25	4.72	4.28	3.91
0.0m	-	-	-	9.7	8.01	6.79	5.88	5.22	4.69	4.26	-
-1.0m	-	9.93a	10.87a	9.48	7.86	6.7	5.86	5.21	4.69	-	-
-2.0m	9.23a	10.10a	11.8	9.45	7.88	6.76	5.92	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.6	7.26	-	-	-	-	-
6.0m	-	-	-	-	8.56b	7.35b	6.37	5.53	-	-	-
5.0m	-	-	-	-	8.39b	7.33	6.41	5.62	4.93	-	-
4.0m	-	-	-	-	-	7.3	6.39	5.66	4.97	4.41	-
3.0m	-	-	-	-	-	7.27	6.38	5.65	4.97	4.42	3.95
2.0m	-	-	-	-	8.45	7.27	6.36	5.6	4.94	4.39	3.94
1.0m	-	-	-	-	8.37	7.17	6.25	5.53	4.88	4.35	3.92
0.0m	-	-	-	9.83	8.22	7.06	6.17	5.43	4.81	4.3	-
-1.0m	-	11.28a	12	9.71	8.13	6.97	6.07	5.33	4.75	-	-
-2.0m	12	12	12	9.68	8.08	6.88	6	-	-	-	-

Level Rail
 0-50mm
 67% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.96	3.38	-	-	-	-	-
6.0m	-	-	-	-	3.95	3.39	2.95	2.58	-	-	-
5.0m	-	-	-	-	-	3.33	2.91	2.57	2.28	-	-
4.0m	-	-	-	-	-	3.33	2.84	2.52	2.25	2.02	-
3.0m	-	-	-	-	-	3.28	2.8	2.45	2.2	2	1.81
2.0m	-	-	-	-	3.78	3.19	2.74	2.38	2.16	1.96	1.79
1.0m	-	-	-	-	3.61	3.07	2.65	2.34	2.12	1.93	1.77
0.0m	-	-	5.02	4.11	3.45	2.95	2.58	2.31	2.1	1.92	-
-1.0m	8.01	6.02	4.79	3.96	3.35	2.9	2.57	2.31	2.11	-	-
-2.0m	7.94	5.98	4.78	3.97	3.39	2.97	2.65	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.98	3.4	-	-	-	-	-
6.0m	-	-	-	-	3.97	3.45	3.02	2.6	-	-	-
5.0m	-	-	-	-	-	3.43	3.03	2.67	2.32	-	-
4.0m	-	-	-	-	-	3.4	3.02	2.69	2.34	2.05	-
3.0m	-	-	-	-	-	3.39	3.01	2.68	2.34	2.05	1.81
2.0m	-	-	-	-	3.87	3.37	2.97	2.62	2.3	2.03	1.8
1.0m	-	-	-	-	3.73	3.27	2.89	2.56	2.25	1.99	1.77
0.0m	-	-	5.02	4.21	3.63	3.18	2.81	2.48	2.18	1.95	-
-1.0m	8.04	6.13	4.95	4.15	3.57	3.12	2.72	2.41	2.14	-	-
-2.0m	8.06	6.12	4.94	4.12	3.52	3.05	2.67	-	-	-	-

Level Rail
 0-50mm
 90% SWL
 Locked




	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.72	6.54	-	-	-	-	-
6.0m	-	-	-	-	7.7	6.56	5.68	4.96	-	-	-
5.0m	-	-	-	-	-	6.46	5.62	4.95	4.39	-	-
4.0m	-	-	-	-	-	6.46	5.51	4.87	4.35	3.91	-
3.0m	-	-	-	-	-	6.39	5.46	4.78	4.28	3.87	3.5
2.0m	-	-	-	-	7.45	6.25	5.37	4.68	4.21	3.82	3.48
1.0m	-	-	-	-	7.19	6.08	5.24	4.61	4.16	3.78	3.46
0.0m	-	-	10.42	8.37	6.95	5.91	5.13	4.57	4.13	3.76	-
-1.0m	8.81a	9.60a	10.07	8.14	6.8	5.83	5.13	4.58	4.15	-	-
-2.0m	10.33a	11.49a	10.05	8.16	6.87	5.93	5.24	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.74	6.56	-	-	-	-	-
6.0m	-	-	-	-	7.73	6.64	5.78	4.99	-	-	-
5.0m	-	-	-	-	-	6.61	5.79	5.09	4.44	-	-
4.0m	-	-	-	-	-	6.57	5.78	5.12	4.48	3.94	-
3.0m	-	-	-	-	-	6.55	5.77	5.1	4.48	3.95	3.51
2.0m	-	-	-	-	7.57	6.53	5.71	5.02	4.42	3.92	3.49
1.0m	-	-	-	-	7.37	6.37	5.59	4.94	4.34	3.86	3.46
0.0m	-	-	10.42	8.53	7.23	6.24	5.47	4.81	4.25	3.8	-
-1.0m	9.17a	12	10.32	8.43	7.13	6.16	5.35	4.71	4.19	-	-
-2.0m	12	12	10.3	8.39	7.06	6.05	5.26	-	-	-	-

SECTOR B


LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Canted Rail
50-150mm
67% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.45	2.93	-	-	-	-	-
6.0m	-	-	-	-	3.44	2.94	2.55	2.22	-	-	-
5.0m	-	-	-	-	-	2.88	2.51	2.21	1.95	-	-
4.0m	-	-	-	-	-	2.88	2.44	2.16	1.92	1.72	-
3.0m	-	-	-	-	-	2.83	2.4	2.09	1.87	1.69	1.53
2.0m	-	-	-	-	3.27	2.74	2.34	2.02	1.83	1.66	1.51
1.0m	-	-	-	-	3.1	2.62	2.25	1.98	1.79	1.63	1.5
0.0m	-	-	4.31	3.52	2.94	2.5	2.18	1.95	1.77	1.62	-
-1.0m	6.87	5.15	4.08	3.36	2.84	2.45	2.17	1.95	1.78	-	-
-2.0m	6.79	5.1	4.07	3.38	2.88	2.52	2.25	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.46	2.95	-	-	-	-	-
6.0m	-	-	-	-	3.46	3	2.62	2.24	-	-	-
5.0m	-	-	-	-	-	2.98	2.63	2.31	1.99	-	-
4.0m	-	-	-	-	-	2.95	2.62	2.33	2.01	1.75	-
3.0m	-	-	-	-	-	2.94	2.61	2.32	2.01	1.75	1.53
2.0m	-	-	-	-	3.36	2.92	2.57	2.26	1.97	1.73	1.52
1.0m	-	-	-	-	3.22	2.82	2.49	2.2	1.92	1.69	1.5
0.0m	-	-	4.31	3.62	3.12	2.73	2.41	2.11	1.85	1.64	-
-1.0m	6.89	5.26	4.24	3.55	3.06	2.67	2.32	2.05	1.81	-	-
-2.0m	6.91	5.25	4.23	3.53	3.01	2.6	2.26	-	-	-	-

Canted Rail
50-150mm
90% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.81	5.75	-	-	-	-	-
6.0m	-	-	-	-	6.79	5.77	4.98	4.34	-	-	-
5.0m	-	-	-	-	-	5.68	4.92	4.33	3.83	-	-
4.0m	-	-	-	-	-	5.67	4.82	4.25	3.79	3.39	-
3.0m	-	-	-	-	-	5.6	4.76	4.15	3.72	3.36	3.03
2.0m	-	-	-	-	6.54	5.47	4.67	4.06	3.65	3.3	3.01
1.0m	-	-	-	-	6.28	5.3	4.55	3.99	3.59	3.26	2.99
0.0m	-	-	9.11	7.3	6.05	5.12	4.44	3.95	3.57	3.25	-
-1.0m	8.81a	9.60a	8.76	7.07	5.89	5.05	4.43	3.96	3.58	-	-
-2.0m	10.33a	11.34	8.74	7.09	5.96	5.14	4.54	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.83	5.78	-	-	-	-	-
6.0m	-	-	-	-	6.82	5.85	5.08	4.37	-	-	-
5.0m	-	-	-	-	-	5.83	5.1	4.47	3.88	-	-
4.0m	-	-	-	-	-	5.79	5.08	4.5	3.91	3.43	-
3.0m	-	-	-	-	-	5.76	5.07	4.48	3.91	3.43	3.04
2.0m	-	-	-	-	6.66	5.74	5.01	4.4	3.85	3.41	3.02
1.0m	-	-	-	-	6.47	5.58	4.89	4.32	3.78	3.34	2.99
0.0m	-	-	9.11	7.46	6.32	5.46	4.78	4.19	3.69	3.28	-
-1.0m	9.17a	11.59	9.01	7.35	6.22	5.37	4.65	4.09	3.62	-	-
-2.0m	12	11.57	8.98	7.32	6.15	5.26	4.57	-	-	-	-

Max Cant + Twist
150-177mm
67% SWL
Unlocked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.03	2.56	-	-	-	-	-
6.0m	-	-	-	-	3.02	2.57	2.22	1.92	-	-	-
5.0m	-	-	-	-	-	2.51	2.18	1.91	1.68	-	-
4.0m	-	-	-	-	-	2.51	2.11	1.86	1.65	1.47	-
3.0m	-	-	-	-	-	2.46	2.07	1.79	1.6	1.45	1.3
2.0m	-	-	-	-	2.85	2.37	2.01	1.73	1.56	1.41	1.28
1.0m	-	-	-	-	2.68	2.25	1.92	1.68	1.52	1.38	1.27
0.0m	-	-	3.73	3.03	2.52	2.14	1.85	1.65	1.5	1.37	-
-1.0m	5.92	4.43	3.5	2.87	2.42	2.08	1.84	1.66	1.51	-	-
-2.0m	5.85	4.38	3.49	2.89	2.46	2.15	1.92	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.04	2.58	-	-	-	-	-
6.0m	-	-	-	-	3.04	2.63	2.29	1.94	-	-	-
5.0m	-	-	-	-	-	2.61	2.3	2.01	1.72	-	-
4.0m	-	-	-	-	-	2.59	2.29	2.03	1.74	1.5	-
3.0m	-	-	-	-	-	2.57	2.28	2.02	1.74	1.5	1.3
2.0m	-	-	-	-	2.94	2.55	2.24	1.96	1.7	1.48	1.29
1.0m	-	-	-	-	2.8	2.45	2.16	1.91	1.65	1.44	1.27
0.0m	-	-	3.73	3.13	2.7	2.36	2.08	1.82	1.58	1.4	-
-1.0m	5.95	4.54	3.66	3.06	2.64	2.3	1.99	1.75	1.54	-	-
-2.0m	5.97	4.53	3.65	3.04	2.59	2.23	1.94	-	-	-	-

Max Cant + Twist
150-177mm
75% SWL
Locked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

SECTOR C

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.68	3.98	-	-	-	-	-
6.0m	-	-	-	-	4.69	4.02	3.49	3.05	-	-	-
5.0m	-	-	-	-	4.67	3.96	3.46	3.05	2.71	-	-
4.0m	-	-	-	-	-	3.94	3.38	3	2.68	2.41	-
3.0m	-	-	-	-	-	3.91	3.34	2.93	2.63	2.38	2.15
2.0m	-	-	-	-	4.53	3.82	3.28	2.86	2.58	2.34	2.14
1.0m	-	-	-	-	4.35	3.69	3.18	2.8	2.54	2.31	2.12
0.0m	-	-	-	4.98	4.17	3.57	3.1	2.77	2.51	2.29	-
-1.0m	-	7.4	5.83	4.79	4.04	3.49	3.08	2.77	2.51	-	-
-2.0m	9.23a	7.27	5.76	4.76	4.06	3.54	3.14	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.7	3.98	-	-	-	-	-
6.0m	-	-	-	-	4.71	4.08	3.54	3.05	-	-	-
5.0m	-	-	-	-	4.68	4.06	3.58	3.14	2.73	-	-
4.0m	-	-	-	-	-	4.03	3.57	3.17	2.77	2.43	-
3.0m	-	-	-	-	-	4.01	3.56	3.17	2.77	2.44	2.15
2.0m	-	-	-	-	4.59	4.01	3.53	3.12	2.73	2.41	2.14
1.0m	-	-	-	-	4.48	3.9	3.43	3.05	2.68	2.38	2.12
0.0m	-	-	-	5.08	4.36	3.8	3.36	2.96	2.62	2.33	-
-1.0m	-	7.46	5.99	4.99	4.27	3.72	3.27	2.87	2.56	-	-
-2.0m	9.93	7.44	5.95	4.95	4.23	3.65	3.21	-	-	-	-

Road
 Locked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.67	6.46	-	-	-	-	-
6.0m	-	-	-	-	7.69	6.51	5.62	4.9	-	-	-
5.0m	-	-	-	-	7.66	6.45	5.58	4.91	4.35	-	-
4.0m	-	-	-	-	-	6.42	5.5	4.85	4.32	3.88	-
3.0m	-	-	-	-	-	6.38	5.45	4.77	4.27	3.85	3.48
2.0m	-	-	-	-	7.5	6.29	5.38	4.69	4.21	3.81	3.46
1.0m	-	-	-	-	7.29	6.14	5.28	4.63	4.16	3.77	3.44
0.0m	-	-	-	8.6	7.09	6	5.19	4.6	4.13	3.75	-
-1.0m	-	9.93a	10.51	8.38	6.94	5.91	5.16	4.59	4.13	-	-
-2.0m	9.23a	10.10a	10.43	8.35	6.96	5.97	5.23	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.7	6.46	-	-	-	-	-
6.0m	-	-	-	-	7.71	6.57	5.68	4.91	-	-	-
5.0m	-	-	-	-	7.67	6.56	5.72	5	4.38	-	-
4.0m	-	-	-	-	-	6.53	5.7	5.04	4.41	3.9	-
3.0m	-	-	-	-	-	6.5	5.69	5.03	4.41	3.91	3.48
2.0m	-	-	-	-	7.57	6.5	5.66	4.98	4.38	3.88	3.47
1.0m	-	-	-	-	7.45	6.38	5.55	4.91	4.32	3.85	3.45
0.0m	-	-	-	8.73	7.3	6.26	5.47	4.81	4.25	3.79	-
-1.0m	-	11.28a	10.7	8.61	7.21	6.18	5.37	4.71	4.19	-	-
-2.0m	12	12	10.66	8.57	7.15	6.09	5.3	-	-	-	-

Level Rail
 0-50mm
 67% SWL

Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.52	2.99	-	-	-	-	-
6.0m	-	-	-	-	3.51	3.01	2.61	2.27	-	-	-
5.0m	-	-	-	-	-	2.94	2.56	2.26	2	-	-
4.0m	-	-	-	-	-	2.94	2.49	2.21	1.97	1.76	-
3.0m	-	-	-	-	-	2.89	2.46	2.14	1.92	1.74	1.57
2.0m	-	-	-	-	3.34	2.8	2.39	2.07	1.87	1.7	1.55
1.0m	-	-	-	-	3.17	2.68	2.31	2.03	1.83	1.67	1.53
0.0m	-	-	4.41	3.6	3.01	2.57	2.23	2	1.82	1.66	-
-1.0m	7.03	5.27	4.18	3.45	2.91	2.51	2.23	2	1.83	-	-
-2.0m	6.96	5.23	4.17	3.46	2.95	2.58	2.3	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.54	3.01	-	-	-	-	-
6.0m	-	-	-	-	3.53	3.06	2.68	2.29	-	-	-
5.0m	-	-	-	-	-	3.04	2.69	2.36	2.04	-	-
4.0m	-	-	-	-	-	3.02	2.67	2.38	2.06	1.79	-
3.0m	-	-	-	-	-	3	2.67	2.37	2.06	1.79	1.57
2.0m	-	-	-	-	3.43	2.99	2.63	2.31	2.02	1.77	1.56
1.0m	-	-	-	-	3.29	2.88	2.54	2.25	1.96	1.73	1.53
0.0m	-	-	4.41	3.7	3.2	2.79	2.46	2.17	1.9	1.69	-
-1.0m	7.05	5.38	4.34	3.64	3.13	2.74	2.38	2.1	1.86	-	-
-2.0m	7.08	5.37	4.33	3.61	3.08	2.66	2.32	-	-	-	-

Level Rail
 0-50mm
 75% SWL

Locked




	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.81	5.77	-	-	-	-	-
6.0m	-	-	-	-	6.79	5.79	5.02	4.39	-	-	-
5.0m	-	-	-	-	-	5.71	4.97	4.38	3.89	-	-
4.0m	-	-	-	-	-	5.71	4.88	4.32	3.86	3.47	-
3.0m	-	-	-	-	-	5.65	4.84	4.24	3.8	3.44	3.12
2.0m	-	-	-	-	6.58	5.54	4.76	4.16	3.74	3.39	3.1
1.0m	-	-	-	-	6.37	5.4	4.66	4.1	3.7	3.36	3.08
0.0m	-	-	9.23	7.42	6.17	5.25	4.57	4.07	3.67	3.35	-
-1.0m	8.81a	9.60a	8.93	7.23	6.05	5.19	4.56	4.07	3.69	-	-
-2.0m	10.33a	11.49a	8.92	7.25	6.1	5.27	4.65	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.82	5.8	-	-	-	-	-
6.0m	-	-	-	-	6.82	5.86	5.1	4.42	-	-	-
5.0m	-	-	-	-	-	5.84	5.12	4.5	3.94	-	-
4.0m	-	-	-	-	-	5.81	5.1	4.52	3.96	3.5	-
3.0m	-	-	-	-	-	5.78	5.09	4.51	3.96	3.5	3.12
2.0m	-	-	-	-	6.69	5.77	5.04	4.44	3.91	3.48	3.11
1.0m	-	-	-	-	6.52	5.63	4.94	4.37	3.85	3.43	3.08
0.0m	-	-	9.23	7.55	6.4	5.53	4.85	4.27	3.77	3.38	-
-1.0m	9.17a	11.76	9.14	7.47	6.32	5.46	4.74	4.19	3.72	-	-
-2.0m	12	11.75	9.12	7.44	6.26	5.37	4.67	-	-	-	-

SECTOR C


LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Canted Rail
50-150mm
67% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.13	2.64	-	-	-	-	-
6.0m	-	-	-	-	3.11	2.66	2.29	1.99	-	-	-
5.0m	-	-	-	-	-	2.59	2.25	1.98	1.74	-	-
4.0m	-	-	-	-	-	2.59	2.18	1.93	1.71	1.53	-
3.0m	-	-	-	-	-	2.54	2.14	1.86	1.66	1.5	1.35
2.0m	-	-	-	-	2.95	2.45	2.08	1.79	1.62	1.47	1.33
1.0m	-	-	-	-	2.77	2.34	2	1.75	1.58	1.44	1.32
0.0m	-	-	3.86	3.14	2.62	2.22	1.92	1.72	1.56	1.43	-
-1.0m	6.14	4.59	3.63	2.98	2.51	2.17	1.92	1.72	1.57	-	-
-2.0m	6.07	4.55	3.62	3	2.56	2.23	1.99	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.14	2.66	-	-	-	-	-
6.0m	-	-	-	-	3.14	2.71	2.36	2.01	-	-	-
5.0m	-	-	-	-	-	2.7	2.38	2.08	1.78	-	-
4.0m	-	-	-	-	-	2.67	2.36	2.1	1.8	1.55	-
3.0m	-	-	-	-	-	2.65	2.36	2.09	1.8	1.56	1.35
2.0m	-	-	-	-	3.03	2.64	2.32	2.03	1.76	1.54	1.34
1.0m	-	-	-	-	2.9	2.53	2.23	1.97	1.71	1.49	1.32
0.0m	-	-	3.86	3.24	2.8	2.44	2.15	1.88	1.64	1.45	-
-1.0m	6.16	4.7	3.79	3.17	2.73	2.39	2.07	1.82	1.6	-	-
-2.0m	6.18	4.69	3.78	3.15	2.69	2.31	2.01	-	-	-	-

Canted Rail
50-150mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.47	4.62	-	-	-	-	-
6.0m	-	-	-	-	5.45	4.63	4	3.48	-	-	-
5.0m	-	-	-	-	-	4.55	3.95	3.47	3.07	-	-
4.0m	-	-	-	-	-	4.55	3.86	3.4	3.03	2.71	-
3.0m	-	-	-	-	-	4.49	3.81	3.32	2.97	2.68	2.42
2.0m	-	-	-	-	5.24	4.38	3.74	3.24	2.92	2.64	2.4
1.0m	-	-	-	-	5.03	4.24	3.63	3.19	2.87	2.61	2.38
0.0m	-	-	7.3	5.84	4.84	4.09	3.55	3.16	2.85	2.59	-
-1.0m	8.81a	9.14	7	5.65	4.71	4.03	3.54	3.16	2.86	-	-
-2.0m	10.33a	9.08	6.99	5.67	4.76	4.11	3.63	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.49	4.64	-	-	-	-	-
6.0m	-	-	-	-	5.48	4.7	4.08	3.5	-	-	-
5.0m	-	-	-	-	-	4.68	4.09	3.58	3.11	-	-
4.0m	-	-	-	-	-	4.65	4.08	3.61	3.14	2.74	-
3.0m	-	-	-	-	-	4.63	4.07	3.59	3.14	2.75	2.42
2.0m	-	-	-	-	5.35	4.61	4.02	3.53	3.09	2.72	2.41
1.0m	-	-	-	-	5.19	4.48	3.92	3.46	3.02	2.67	2.38
0.0m	-	-	7.3	5.98	5.06	4.37	3.82	3.35	2.95	2.62	-
-1.0m	9.17a	9.28	7.21	5.89	4.98	4.3	3.72	3.27	2.89	-	-
-2.0m	12	9.27	7.19	5.86	4.92	4.21	3.65	-	-	-	-

Max Cant + Twist
150-177mm
67% SWL
Unlocked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.03	2.56	-	-	-	-	-
6.0m	-	-	-	-	3.02	2.57	2.22	1.92	-	-	-
5.0m	-	-	-	-	-	2.51	2.18	1.91	1.68	-	-
4.0m	-	-	-	-	-	2.51	2.11	1.86	1.65	1.47	-
3.0m	-	-	-	-	-	2.46	2.07	1.79	1.6	1.45	1.3
2.0m	-	-	-	-	2.85	2.37	2.01	1.73	1.56	1.41	1.28
1.0m	-	-	-	-	2.68	2.25	1.92	1.68	1.52	1.38	1.27
0.0m	-	-	3.73	3.03	2.52	2.14	1.85	1.65	1.5	1.37	-
-1.0m	5.92	4.43	3.5	2.87	2.42	2.08	1.84	1.66	1.51	-	-
-2.0m	5.85	4.38	3.49	2.89	2.46	2.15	1.92	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.04	2.58	-	-	-	-	-
6.0m	-	-	-	-	3.04	2.63	2.29	1.94	-	-	-
5.0m	-	-	-	-	-	2.61	2.3	2.01	1.72	-	-
4.0m	-	-	-	-	-	2.59	2.29	2.03	1.74	1.5	-
3.0m	-	-	-	-	-	2.57	2.28	2.02	1.74	1.5	1.3
2.0m	-	-	-	-	2.94	2.55	2.24	1.96	1.7	1.48	1.29
1.0m	-	-	-	-	2.8	2.45	2.16	1.91	1.65	1.44	1.27
0.0m	-	-	3.73	3.13	2.7	2.36	2.08	1.82	1.58	1.4	-
-1.0m	5.95	4.54	3.66	3.06	2.64	2.3	1.99	1.75	1.54	-	-
-2.0m	5.97	4.53	3.65	3.04	2.59	2.23	1.94	-	-	-	-

Max Cant + Twist
150-177mm
75% SWL
Locked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

SECTOR D

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	8.25b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.78b	6.86	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	6.41b	5.91	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	6.00b	5.88	5.16	-
3.0m	-	-	-	-	-	7.16b	6.37b	6.08b	5.81	5.12	4.55
2.0m	-	-	-	-	8.15b	7.15b	6.75b	6.58	5.74	5.07	4.52
1.0m	-	-	-	-	9.43b	8.46b	7.7	6.51	5.68	5.02	4.5
0.0m	-	-	-	12	10.95b	9.21	7.57	6.46	5.64	5	-
-1.0m	-	9.93a	10.87a	12	11.44b	9.09	7.54	6.45	5.64	-	-
-2.0m	9.23a	10.10a	11.85a	11.88b	10.21b	8.96b	7.63	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	8.36b	-	-	-	-	-
6.0m	-	-	-	-	8.56b	8.09b	7.67b	6.87	-	-	-
5.0m	-	-	-	-	8.39b	8.44b	7.90b	6.93	5.95	-	-
4.0m	-	-	-	-	-	8.21b	8.04	6.91	6	5.19	-
3.0m	-	-	-	-	-	8.26b	8.01	6.9	5.99	5.2	4.55
2.0m	-	-	-	-	8.74b	8.94b	8	6.91	5.95	5.16	4.54
1.0m	-	-	-	-	10.56b	9.53	8.03	6.87	5.88	5.12	4.51
0.0m	-	-	-	12	11.75b	9.59	7.96	6.74	5.79	5.05	-
-1.0m	-	11.28a	12	12	11.87	9.47	7.83	6.61	5.71	-	-
-2.0m	12.46a	12	12	12	11.79	9.34	7.73	-	-	-	-

Road
 Locked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.67	6.46	-	-	-	-	-
6.0m	-	-	-	-	7.69	6.51	5.62	4.9	-	-	-
5.0m	-	-	-	-	7.66	6.45	5.58	4.91	4.35	-	-
4.0m	-	-	-	-	-	6.42	5.5	4.85	4.32	3.88	-
3.0m	-	-	-	-	-	6.38	5.45	4.77	4.27	3.85	3.48
2.0m	-	-	-	-	7.5	6.29	5.38	4.69	4.21	3.81	3.46
1.0m	-	-	-	-	7.29	6.14	5.28	4.63	4.16	3.77	3.44
0.0m	-	-	-	8.6	7.09	6	5.19	4.6	4.13	3.75	-
-1.0m	-	9.93a	10.51	8.38	6.94	5.91	5.16	4.59	4.13	-	-
-2.0m	9.23a	10.10a	10.43	8.35	6.96	5.97	5.23	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.7	6.46	-	-	-	-	-
6.0m	-	-	-	-	7.71	6.57	5.68	4.91	-	-	-
5.0m	-	-	-	-	7.67	6.56	5.72	5	4.38	-	-
4.0m	-	-	-	-	-	6.53	5.7	5.04	4.41	3.9	-
3.0m	-	-	-	-	-	6.5	5.69	5.03	4.41	3.91	3.48
2.0m	-	-	-	-	7.57	6.5	5.66	4.98	4.38	3.88	3.47
1.0m	-	-	-	-	7.45	6.38	5.55	4.91	4.32	3.85	3.45
0.0m	-	-	-	8.73	7.3	6.26	5.47	4.81	4.25	3.79	-
-1.0m	-	11.28a	10.7	8.61	7.21	6.18	5.37	4.71	4.19	-	-
-2.0m	12	12	10.66	8.57	7.15	6.09	5.3	-	-	-	-

Level Rail
 0-50mm
 67% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.89	4.19	-	-	-	-	-
6.0m	-	-	-	-	4.87	4.21	3.67	3.23	-	-	-
5.0m	-	-	-	-	-	4.14	3.63	3.22	2.88	-	-
4.0m	-	-	-	-	-	4.14	3.56	3.17	2.85	2.57	-
3.0m	-	-	-	-	-	4.09	3.52	3.1	2.8	2.54	2.31
2.0m	-	-	-	-	4.71	4	3.46	3.04	2.75	2.51	2.3
1.0m	-	-	-	-	4.54	3.88	3.38	2.99	2.71	2.48	2.28
0.0m	-	-	6.3	5.18	4.38	3.77	3.3	2.97	2.69	2.47	-
-1.0m	8.81a	7.61	6.07	5.03	4.28	3.71	3.3	2.97	2.71	-	-
-2.0m	10.02	7.56	6.06	5.04	4.32	3.78	3.37	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.9	4.21	-	-	-	-	-
6.0m	-	-	-	-	4.9	4.26	3.74	3.25	-	-	-
5.0m	-	-	-	-	-	4.24	3.75	3.32	2.91	-	-
4.0m	-	-	-	-	-	4.22	3.74	3.34	2.94	2.6	-
3.0m	-	-	-	-	-	4.2	3.74	3.33	2.94	2.6	2.32
2.0m	-	-	-	-	4.79	4.18	3.7	3.27	2.89	2.58	2.3
1.0m	-	-	-	-	4.66	4.08	3.61	3.22	2.84	2.54	2.28
0.0m	-	-	6.3	5.29	4.56	3.99	3.53	3.13	2.78	2.49	-
-1.0m	9.17a	7.72	6.23	5.22	4.49	3.94	3.45	3.06	2.73	-	-
-2.0m	10.14	7.71	6.22	5.2	4.45	3.86	3.39	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.45	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	5.71	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	5.7	5.09	-	-
4.0m	-	-	-	-	-	7.18b	6.36	5.64	5.05	4.56	-
3.0m	-	-	-	-	-	7.15b	6.31	5.56	4.99	4.53	4.12
2.0m	-	-	-	-	8.15b	7.21	6.24	5.48	4.94	4.48	4.1
1.0m	-	-	-	-	8.3	7.07	6.13	5.42	4.89	4.45	4.08
0.0m	-	-	12	9.7	8.1	6.93	6.04	5.39	4.87	4.44	-
-1.0m	8.81a	9.60a	10.62a	9.51	7.98	6.86	6.04	5.39	4.88	-	-
-2.0m	10.33a	11.49a	11.71	9.53	8.03	6.94	6.13	-	-	-	-


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	7.47	-	-	-	-	-
6.0m	-	-	-	-	8.68b	7.51	6.58	5.74	-	-	-
5.0m	-	-	-	-	-	7.48	6.58	5.82	5.13	-	-
4.0m	-	-	-	-	-	7.45	6.56	5.84	5.16	4.59	-
3.0m	-	-	-	-	-	7.42	6.55	5.83	5.16	4.59	4.12
2.0m	-	-	-	-	8.57	7.43	6.52	5.76	5.11	4.57	4.11
1.0m	-	-	-	-	8.45	7.31	6.42	5.69	5.05	4.52	4.08
0.0m	-	-	12	9.84	8.33	7.2	6.32	5.59	4.97	4.47	-
-1.0m	9.17a	12	11.93	9.75	8.25	7.13	6.22	5.51	4.92	-	-
-2.0m	12	12	11.91	9.72	8.19	7.04	6.15	-	-	-	-

SECTOR D

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS


Canted Rail
50-150mm
67% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.23	3.62	-	-	-	-	-
6.0m	-	-	-	-	4.22	3.63	3.16	2.77	-	-	-
5.0m	-	-	-	-	-	3.57	3.12	2.76	2.46	-	-
4.0m	-	-	-	-	-	3.56	3.05	2.71	2.43	2.18	-
3.0m	-	-	-	-	-	3.52	3.01	2.64	2.38	2.16	1.95
2.0m	-	-	-	-	4.05	3.42	2.95	2.58	2.33	2.12	1.94
1.0m	-	-	-	-	3.88	3.31	2.86	2.53	2.29	2.09	1.92
0.0m	-	-	5.39	4.42	3.72	3.19	2.79	2.5	2.27	2.08	-
-1.0m	8.62	6.49	5.17	4.27	3.62	3.14	2.78	2.51	2.28	-	-
-2.0m	8.55	6.44	5.15	4.28	3.66	3.2	2.86	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.25	3.63	-	-	-	-	-
6.0m	-	-	-	-	4.24	3.69	3.23	2.79	-	-	-
5.0m	-	-	-	-	-	3.67	3.24	2.86	2.49	-	-
4.0m	-	-	-	-	-	3.64	3.23	2.88	2.51	2.21	-
3.0m	-	-	-	-	-	3.62	3.22	2.87	2.51	2.21	1.96
2.0m	-	-	-	-	4.14	3.61	3.18	2.81	2.47	2.19	1.95
1.0m	-	-	-	-	4	3.5	3.1	2.75	2.42	2.15	1.92
0.0m	-	-	5.39	4.53	3.91	3.42	3.02	2.67	2.36	2.11	-
-1.0m	8.64	6.6	5.32	4.46	3.84	3.36	2.94	2.6	2.31	-	-
-2.0m	8.67	6.58	5.31	4.44	3.79	3.28	2.88	-	-	-	-


Canted Rail
50-150mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.79	6.63	-	-	-	-	-
6.0m	-	-	-	-	7.77	6.64	5.77	5.07	-	-	-
5.0m	-	-	-	-	-	6.57	5.72	5.05	4.5	-	-
4.0m	-	-	-	-	-	6.56	5.63	4.99	4.47	4.02	-
3.0m	-	-	-	-	-	6.5	5.59	4.91	4.41	3.99	3.63
2.0m	-	-	-	-	7.57	6.39	5.51	4.83	4.35	3.95	3.61
1.0m	-	-	-	-	7.35	6.25	5.41	4.77	4.31	3.92	3.59
0.0m	-	-	10.65	8.59	7.16	6.11	5.32	4.74	4.28	3.9	-
-1.0m	8.81a	9.60a	10.36	8.39	7.03	6.04	5.31	4.75	4.3	-	-
-2.0m	10.33a	11.49a	10.34	8.41	7.08	6.12	5.4	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.81	6.65	-	-	-	-	-
6.0m	-	-	-	-	7.8	6.71	5.86	5.09	-	-	-
5.0m	-	-	-	-	-	6.69	5.87	5.17	4.55	-	-
4.0m	-	-	-	-	-	6.66	5.85	5.19	4.57	4.05	-
3.0m	-	-	-	-	-	6.64	5.85	5.18	4.57	4.06	3.63
2.0m	-	-	-	-	7.67	6.62	5.8	5.11	4.52	4.04	3.62
1.0m	-	-	-	-	7.51	6.49	5.7	5.05	4.46	3.98	3.59
0.0m	-	-	10.65	8.72	7.38	6.38	5.6	4.94	4.38	3.93	-
-1.0m	9.17a	12	10.56	8.63	7.3	6.31	5.5	4.86	4.33	-	-
-2.0m	12	12	10.55	8.6	7.24	6.22	5.43	-	-	-	-


Max Cant + Twist
150-177mm
67% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.03	2.56	-	-	-	-	-
6.0m	-	-	-	-	3.02	2.57	2.22	1.92	-	-	-
5.0m	-	-	-	-	-	2.51	2.18	1.91	1.68	-	-
4.0m	-	-	-	-	-	2.51	2.11	1.86	1.65	1.47	-
3.0m	-	-	-	-	-	2.46	2.07	1.79	1.6	1.45	1.3
2.0m	-	-	-	-	2.85	2.37	2.01	1.73	1.56	1.41	1.28
1.0m	-	-	-	-	2.68	2.25	1.92	1.68	1.52	1.38	1.27
0.0m	-	-	3.73	3.03	2.52	2.14	1.85	1.65	1.5	1.37	-
-1.0m	5.92	4.43	3.5	2.87	2.42	2.08	1.84	1.66	1.51	-	-
-2.0m	5.85	4.38	3.49	2.89	2.46	2.15	1.92	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.04	2.58	-	-	-	-	-
6.0m	-	-	-	-	3.04	2.63	2.29	1.94	-	-	-
5.0m	-	-	-	-	-	2.61	2.3	2.01	1.72	-	-
4.0m	-	-	-	-	-	2.59	2.29	2.03	1.74	1.5	-
3.0m	-	-	-	-	-	2.57	2.28	2.02	1.74	1.5	1.3
2.0m	-	-	-	-	2.94	2.55	2.24	1.96	1.7	1.48	1.29
1.0m	-	-	-	-	2.8	2.45	2.16	1.91	1.65	1.44	1.27
0.0m	-	-	3.73	3.13	2.7	2.36	2.08	1.82	1.58	1.4	-
-1.0m	5.95	4.54	3.66	3.06	2.64	2.3	1.99	1.75	1.54	-	-
-2.0m	5.97	4.53	3.65	3.04	2.59	2.23	1.94	-	-	-	-

Max Cant + Twist
150-177mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

SECTOR E

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	8.25b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.78b	6.86	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	6.41b	5.91	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	6.00b	5.88	5.16	-
3.0m	-	-	-	-	-	7.16b	6.37b	6.08b	5.81	5.12	4.55
2.0m	-	-	-	-	8.15b	7.15b	6.75b	6.58	5.74	5.07	4.52
1.0m	-	-	-	-	9.43b	8.46b	7.7	6.51	5.68	5.02	4.5
0.0m	-	-	-	12	10.95b	9.21	7.57	6.46	5.64	5	-
-1.0m	-	9.93a	10.87a	12	11.44b	9.09	7.54	6.45	5.64	-	-
-2.0m	9.23a	10.10a	11.85a	11.88b	10.21b	8.96b	7.63	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	8.36b	-	-	-	-	-
6.0m	-	-	-	-	8.56b	8.09b	7.67b	6.87	-	-	-
5.0m	-	-	-	-	8.39b	8.44b	7.90b	6.93	5.95	-	-
4.0m	-	-	-	-	-	8.21b	8.04	6.91	6	5.19	-
3.0m	-	-	-	-	-	8.26b	8.01	6.9	5.99	5.2	4.55
2.0m	-	-	-	-	8.74b	8.94b	8	6.91	5.95	5.16	4.54
1.0m	-	-	-	-	10.56b	9.53	8.03	6.87	5.88	5.12	4.51
0.0m	-	-	-	12	11.75b	9.59	7.96	6.74	5.79	5.05	-
-1.0m	-	11.28a	12	12	11.87	9.47	7.83	6.61	5.71	-	-
-2.0m	12	12	12	12	11.79	9.34	7.73	-	-	-	-

Road
 Locked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	7.25	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.31	5.52	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.28	5.53	4.91	-	-
4.0m	-	-	-	-	-	7.19b	6.19	5.47	4.88	4.39	-
3.0m	-	-	-	-	-	7.16b	6.15	5.39	4.83	4.36	3.95
2.0m	-	-	-	-	8.15b	7.08	6.08	5.31	4.77	4.32	3.93
1.0m	-	-	-	-	8.22	6.93	5.98	5.25	4.72	4.28	3.91
0.0m	-	-	-	9.7	8.01	6.79	5.88	5.22	4.69	4.26	-
-1.0m	-	9.93a	10.87a	9.48	7.86	6.7	5.86	5.21	4.69	-	-
-2.0m	9.23a	10.10a	11.8	9.45	7.88	6.76	5.92	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.6	7.26	-	-	-	-	-
6.0m	-	-	-	-	8.56b	7.35b	6.37	5.53	-	-	-
5.0m	-	-	-	-	8.39b	7.33	6.41	5.62	4.93	-	-
4.0m	-	-	-	-	-	7.3	6.39	5.66	4.97	4.41	-
3.0m	-	-	-	-	-	7.27	6.38	5.65	4.97	4.42	3.95
2.0m	-	-	-	-	8.45	7.27	6.36	5.6	4.94	4.39	3.94
1.0m	-	-	-	-	8.37	7.17	6.25	5.53	4.88	4.35	3.92
0.0m	-	-	-	9.83	8.22	7.06	6.17	5.43	4.81	4.3	-
-1.0m	-	11.28a	12	9.71	8.13	6.97	6.07	5.33	4.75	-	-
-2.0m	12	12	12	9.68	8.08	6.88	6	-	-	-	-

Level Rail
 0-50mm
 67% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.27	6.29	-	-	-	-	-
6.0m	-	-	-	-	7.26	6.3	5.54	4.92	-	-	-
5.0m	-	-	-	-	-	6.24	5.5	4.91	4.41	-	-
4.0m	-	-	-	-	-	6.23	5.43	4.86	4.38	3.98	-
3.0m	-	-	-	-	-	6.19	5.39	4.79	4.33	3.95	3.61
2.0m	-	-	-	-	7.09	6.09	5.33	4.72	4.29	3.91	3.6
1.0m	-	-	-	-	6.92	5.98	5.24	4.68	4.25	3.89	3.58
0.0m	-	-	9.59	7.95	6.76	5.86	5.17	4.65	4.23	3.88	-
-1.0m	8.81a	9.60a	9.37	7.8	6.66	5.81	5.16	4.65	4.24	-	-
-2.0m	10.33a	11.49a	9.35	7.81	6.7	5.87	5.24	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.29	6.3	-	-	-	-	-
6.0m	-	-	-	-	7.28	6.35	5.61	4.94	-	-	-
5.0m	-	-	-	-	-	6.34	5.62	5.01	4.45	-	-
4.0m	-	-	-	-	-	6.31	5.61	5.02	4.47	4	-
3.0m	-	-	-	-	-	6.29	5.6	5.01	4.47	4.01	3.62
2.0m	-	-	-	-	7.18	6.28	5.56	4.96	4.43	3.99	3.61
1.0m	-	-	-	-	7.04	6.17	5.48	4.9	4.38	3.94	3.58
0.0m	-	-	9.59	8.06	6.94	6.09	5.4	4.81	4.31	3.9	-
-1.0m	9.17a	11.79	9.53	7.99	6.88	6.03	5.31	4.75	4.27	-	-
-2.0m	12	11.78	9.51	7.97	6.83	5.95	5.26	-	-	-	-

Level Rail
 0-50mm
 90% SWL
 Locked




	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.31	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.27	5.72
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	6.85	6.22	5.69
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.52	6.79	6.18	5.67
0.0m	-	-	12	12	11.18b	9.6	8.39	7.49	6.76	6.17	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	7.04	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79	7.03	6.35	-
3.0m	-	-	-	-	-	8.35b	8.50b	7.76	7.02	6.35	5.72
2.0m	-	-	-	-	9.08b	9.18b	8.67b	7.76	7.04	6.33	5.71
1.0m	-	-	-	-	10.89b	9.84	8.69b	7.8	6.98	6.26	5.67
0.0m	-	-	12	12	11.42	9.92	8.72	7.72	6.88	6.2	-
-1.0m	9.17a	12	12	12	11.38	9.85	8.6	7.63	6.82	-	-
-2.0m	12	12	12	12	11.32	9.74	8.26b	-	-	-	-

SECTOR E


LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Canted Rail
50-150mm
67% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.07	5.23	-	-	-	-	-
6.0m	-	-	-	-	6.06	5.24	4.6	4.07	-	-	-
5.0m	-	-	-	-	-	5.18	4.56	4.06	3.64	-	-
4.0m	-	-	-	-	-	5.18	4.49	4.01	3.61	3.27	-
3.0m	-	-	-	-	-	5.13	4.45	3.94	3.56	3.24	2.96
2.0m	-	-	-	-	5.89	5.04	4.39	3.87	3.51	3.21	2.94
1.0m	-	-	-	-	5.72	4.92	4.3	3.83	3.47	3.18	2.93
0.0m	-	-	7.93	6.56	5.56	4.81	4.23	3.8	3.46	3.17	-
-1.0m	8.81a	9.60a	7.71	6.4	5.46	4.75	4.22	3.8	3.47	-	-
-2.0m	10.33a	9.59	7.69	6.42	5.5	4.82	4.3	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.09	5.25	-	-	-	-	-
6.0m	-	-	-	-	6.08	5.3	4.67	4.09	-	-	-
5.0m	-	-	-	-	-	5.28	4.68	4.16	3.68	-	-
4.0m	-	-	-	-	-	5.26	4.67	4.18	3.7	3.29	-
3.0m	-	-	-	-	-	5.24	4.66	4.17	3.7	3.3	2.96
2.0m	-	-	-	-	5.98	5.22	4.62	4.11	3.66	3.28	2.95
1.0m	-	-	-	-	5.84	5.12	4.54	4.05	3.6	3.23	2.93
0.0m	-	-	7.93	6.66	5.74	5.03	4.46	3.97	3.54	3.19	-
-1.0m	9.17a	9.74	7.87	6.59	5.68	4.97	4.37	3.9	3.5	-	-
-2.0m	12	9.73	7.85	6.57	5.63	4.9	4.32	-	-	-	-

Canted Rail
50-150mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	6.96	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.22	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.18	5.59	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.12	5.56	5.07
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.72	6.07	5.51	5.05
1.0m	-	-	-	-	9.84b	8.65	7.53	6.67	6.02	5.48	5.03
0.0m	-	-	12	11.86	9.93	8.51	7.44	6.64	6	5.47	-
-1.0m	8.81a	9.60a	10.62a	11.66	9.8	8.44	7.43	6.64	6.01	-	-
-2.0m	10.33a	11.49a	12	11.68	9.85	8.52	7.52	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	6.98	-	-	-
5.0m	-	-	-	-	-	8.53b	7.85	7	6.26	-	-
4.0m	-	-	-	-	-	8.10b	7.82	6.98	6.29	5.62	-
3.0m	-	-	-	-	-	8.35b	7.8	6.97	6.29	5.62	5.07
2.0m	-	-	-	-	9.08b	8.83	7.8	6.99	6.24	5.6	5.06
1.0m	-	-	-	-	10.22b	8.86	7.81	6.94	6.17	5.55	5.03
0.0m	-	-	12	11.99	10.15	8.78	7.72	6.84	6.1	5.5	-
-1.0m	9.17a	12	12	11.9	10.07	8.71	7.61	6.75	6.05	-	-
-2.0m	12	12	12	11.88	10.01	8.62	7.54	-	-	-	-

Max Cant + Twist
150-177mm
67% SWL
Unlocked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.03	2.56	-	-	-	-	-
6.0m	-	-	-	-	3.02	2.57	2.22	1.92	-	-	-
5.0m	-	-	-	-	-	2.51	2.18	1.91	1.68	-	-
4.0m	-	-	-	-	-	2.51	2.11	1.86	1.65	1.47	-
3.0m	-	-	-	-	-	2.46	2.07	1.79	1.6	1.45	1.3
2.0m	-	-	-	-	2.85	2.37	2.01	1.73	1.56	1.41	1.28
1.0m	-	-	-	-	2.68	2.25	1.92	1.68	1.52	1.38	1.27
0.0m	-	-	3.73	3.03	2.52	2.14	1.85	1.65	1.5	1.37	-
-1.0m	5.92	4.43	3.5	2.87	2.42	2.08	1.84	1.66	1.51	-	-
-2.0m	5.85	4.38	3.49	2.89	2.46	2.15	1.92	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.04	2.58	-	-	-	-	-
6.0m	-	-	-	-	3.04	2.63	2.29	1.94	-	-	-
5.0m	-	-	-	-	-	2.61	2.3	2.01	1.72	-	-
4.0m	-	-	-	-	-	2.59	2.29	2.03	1.74	1.5	-
3.0m	-	-	-	-	-	2.57	2.28	2.02	1.74	1.5	1.3
2.0m	-	-	-	-	2.94	2.55	2.24	1.96	1.7	1.48	1.29
1.0m	-	-	-	-	2.8	2.45	2.16	1.91	1.65	1.44	1.27
0.0m	-	-	3.73	3.13	2.7	2.36	2.08	1.82	1.58	1.4	-
-1.0m	5.95	4.54	3.66	3.06	2.64	2.3	1.99	1.75	1.54	-	-
-2.0m	5.97	4.53	3.65	3.04	2.59	2.23	1.94	-	-	-	-

Max Cant + Twist
150-177mm
75% SWL
Locked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

SECTOR F

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	8.25b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.78b	6.59	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	6.41b	5.83	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	6.00b	5.81	5.2	-
3.0m	-	-	-	-	-	7.16b	6.37b	6.08b	5.75	5.17	4.68
2.0m	-	-	-	-	8.15b	7.15b	6.75b	6.37	5.69	5.13	4.66
1.0m	-	-	-	-	9.43b	8.43	7.22	6.31	5.64	5.09	4.64
0.0m	-	-	-	12	9.88	8.28	7.12	6.27	5.61	5.07	-
-1.0m	-	9.93a	10.87a	11.9	9.71	8.19	7.09	6.26	5.61	-	-
-2.0m	9.23a	10.10a	11.85a	11.87	9.73	8.25	7.16	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	8.36b	-	-	-	-	-
6.0m	-	-	-	-	8.56b	8.09b	7.59	6.6	-	-	-
5.0m	-	-	-	-	8.39b	8.44b	7.57	6.67	5.86	-	-
4.0m	-	-	-	-	-	8.21b	7.55b	6.66	5.91	5.23	-
3.0m	-	-	-	-	-	8.26b	7.52b	6.65	5.9	5.24	4.68
2.0m	-	-	-	-	8.74b	8.63	7.52b	6.67	5.87	5.21	4.67
1.0m	-	-	-	-	10.15	8.65	7.51	6.6	5.81	5.17	4.64
0.0m	-	-	-	12	10.1	8.57	7.42	6.49	5.73	5.11	-
-1.0m	-	11.28a	12	12	10	8.47	7.32	6.39	5.67	-	-
-2.0m	12	12	12	12	9.94	8.38	7.24	-	-	-	-

Road
 Locked
 71% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.67	6.46	-	-	-	-	-
6.0m	-	-	-	-	7.69	6.51	5.62	4.9	-	-	-
5.0m	-	-	-	-	7.66	6.45	5.58	4.91	4.35	-	-
4.0m	-	-	-	-	-	6.42	5.5	4.85	4.32	3.88	-
3.0m	-	-	-	-	-	6.38	5.45	4.77	4.27	3.85	3.48
2.0m	-	-	-	-	7.5	6.29	5.38	4.69	4.21	3.81	3.46
1.0m	-	-	-	-	7.29	6.14	5.28	4.63	4.16	3.77	3.44
0.0m	-	-	-	8.6	7.09	6	5.19	4.6	4.13	3.75	-
-1.0m	-	9.93a	10.51	8.38	6.94	5.91	5.16	4.59	4.13	-	-
-2.0m	9.23a	10.10a	10.43	8.35	6.96	5.97	5.23	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.7	6.46	-	-	-	-	-
6.0m	-	-	-	-	7.71	6.57	5.68	4.91	-	-	-
5.0m	-	-	-	-	7.67	6.56	5.72	5	4.38	-	-
4.0m	-	-	-	-	-	6.53	5.7	5.04	4.41	3.9	-
3.0m	-	-	-	-	-	6.5	5.69	5.03	4.41	3.91	3.48
2.0m	-	-	-	-	7.57	6.5	5.66	4.98	4.38	3.88	3.47
1.0m	-	-	-	-	7.45	6.38	5.55	4.91	4.32	3.85	3.45
0.0m	-	-	-	8.73	7.3	6.26	5.47	4.81	4.25	3.79	-
-1.0m	-	11.28a	10.7	8.61	7.21	6.18	5.37	4.71	4.19	-	-
-2.0m	12	12	10.66	8.57	7.15	6.09	5.3	-	-	-	-

Level Rail
 0-50mm
 87% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.71b	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.72b	6.51b
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	7.00b	6.91b	6.46b
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.67b	7.50b	6.90b	6.19b
0.0m	-	-	12	12	11.18b	9.88b	8.95b	7.96b	7.20b	6.45b	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	7.14b	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	7.29b	6.89b	-
3.0m	-	-	-	-	-	8.35b	8.50b	8.16b	7.54b	6.99b	6.51b
2.0m	-	-	-	-	9.08b	9.18b	8.91b	8.41b	7.67b	7.05b	6.49b
1.0m	-	-	-	-	10.89b	10.16b	9.34b	8.44b	7.69b	7.08b	6.19b
0.0m	-	-	12	12	12	10.55b	9.40b	8.49b	7.74b	6.77b	-
-1.0m	9.17a	12	12	12	12	10.66b	9.51b	8.39b	7.02b	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-

Level Rail
 0-50mm
 90% SWL
 Locked




	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.71b	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.72b	6.45
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	7.00b	6.91b	6.43
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.67b	7.50b	6.90b	6.19b
0.0m	-	-	12	12	11.18b	9.88b	8.95b	7.96b	7.20b	6.45b	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	7.14b	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	7.29b	6.89b	-
3.0m	-	-	-	-	-	8.35b	8.50b	8.16b	7.54b	6.99b	6.46
2.0m	-	-	-	-	9.08b	9.18b	8.91b	8.41b	7.67b	7.05b	6.44
1.0m	-	-	-	-	10.89b	10.16b	9.34b	8.44b	7.69b	7.08b	6.19b
0.0m	-	-	12	12	12	10.55b	9.40b	8.49b	7.74b	6.77b	-
-1.0m	9.17a	12	12	12	12	10.66b	9.51b	8.39b	7.02b	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-

SECTOR F


LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Canted Rail
50-150mm
87% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.71b	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.72b	6.51b
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	7.00b	6.91b	6.46b
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.67b	7.50b	6.90b	6.19b
0.0m	-	-	12	12	11.18b	9.88b	8.95b	7.96b	7.20b	6.45b	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	7.14b	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	7.29b	6.89b	-
3.0m	-	-	-	-	-	8.35b	8.50b	8.16b	7.54b	6.99b	6.51b
2.0m	-	-	-	-	9.08b	9.18b	8.91b	8.41b	7.67b	7.05b	6.49b
1.0m	-	-	-	-	10.89b	10.16b	9.34b	8.44b	7.69b	7.08b	6.19b
0.0m	-	-	12	12	12	10.55b	9.40b	8.49b	7.74b	6.77b	-
-1.0m	9.17a	12	12	12	12	10.66b	9.51b	8.39b	7.02b	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-

Canted Rail
50-150mm
90% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.71b	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.72b	6.45
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	7.00b	6.91b	6.43
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.67b	7.50b	6.90b	6.19b
0.0m	-	-	12	12	11.18b	9.88b	8.95b	7.96b	7.20b	6.45b	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	7.14b	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	7.29b	6.89b	-
3.0m	-	-	-	-	-	8.35b	8.50b	8.16b	7.54b	6.99b	6.46
2.0m	-	-	-	-	9.08b	9.18b	8.91b	8.41b	7.67b	7.05b	6.44
1.0m	-	-	-	-	10.89b	10.16b	9.34b	8.44b	7.69b	7.08b	6.19b
0.0m	-	-	12	12	12	10.55b	9.40b	8.49b	7.74b	6.77b	-
-1.0m	9.17a	12	12	12	12	10.66b	9.51b	8.39b	7.02b	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-

Max Cant + Twist
150-177mm
67% SWL
Unlocked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.03	2.56	-	-	-	-	-
6.0m	-	-	-	-	3.02	2.57	2.22	1.92	-	-	-
5.0m	-	-	-	-	-	2.51	2.18	1.91	1.68	-	-
4.0m	-	-	-	-	-	2.51	2.11	1.86	1.65	1.47	-
3.0m	-	-	-	-	-	2.46	2.07	1.79	1.6	1.45	1.3
2.0m	-	-	-	-	2.85	2.37	2.01	1.73	1.56	1.41	1.28
1.0m	-	-	-	-	2.68	2.25	1.92	1.68	1.52	1.38	1.27
0.0m	-	-	3.73	3.03	2.52	2.14	1.85	1.65	1.5	1.37	-
-1.0m	5.92	4.43	3.5	2.87	2.42	2.08	1.84	1.66	1.51	-	-
-2.0m	5.85	4.38	3.49	2.89	2.46	2.15	1.92	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.04	2.58	-	-	-	-	-
6.0m	-	-	-	-	3.04	2.63	2.29	1.94	-	-	-
5.0m	-	-	-	-	-	2.61	2.3	2.01	1.72	-	-
4.0m	-	-	-	-	-	2.59	2.29	2.03	1.74	1.5	-
3.0m	-	-	-	-	-	2.57	2.28	2.02	1.74	1.5	1.3
2.0m	-	-	-	-	2.94	2.55	2.24	1.96	1.7	1.48	1.29
1.0m	-	-	-	-	2.8	2.45	2.16	1.91	1.65	1.44	1.27
0.0m	-	-	3.73	3.13	2.7	2.36	2.08	1.82	1.58	1.4	-
-1.0m	5.95	4.54	3.66	3.06	2.64	2.3	1.99	1.75	1.54	-	-
-2.0m	5.97	4.53	3.65	3.04	2.59	2.23	1.94	-	-	-	-

Max Cant + Twist
150-177mm
75% SWL
Locked


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

LUL DUTIES

SECTOR A

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.1	6.82	-	-	-	-	-
6.0m	-	-	-	-	8.12	6.88	5.93	5.17	-	-	-
5.0m	-	-	-	-	8.09	6.81	5.9	5.18	4.59	-	-
4.0m	-	-	-	-	-	6.79	5.81	5.12	4.56	4.1	-
3.0m	-	-	-	-	-	6.74	5.76	5.04	4.51	4.06	3.68
2.0m	-	-	-	-	7.92	6.64	5.68	4.95	4.45	4.02	3.66
1.0m	-	-	-	-	7.7	6.48	5.58	4.89	4.4	3.98	3.64
0.0m	-	-	-	9.09	7.49	6.34	5.48	4.86	4.37	3.97	-
-1.0m	-	9.93a	10.87a	8.85	7.33	6.24	5.45	4.85	4.37	-	-
-2.0m	9.23a	10.10a	11.02	8.82	7.35	6.3	5.52	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.13	6.83	-	-	-	-	-
6.0m	-	-	-	-	8.14	6.95	6	5.18	-	-	-
5.0m	-	-	-	-	8.1	6.93	6.04	5.28	4.62	-	-
4.0m	-	-	-	-	-	6.89	6.02	5.32	4.66	4.12	-
3.0m	-	-	-	-	-	6.87	6.01	5.31	4.66	4.13	3.68
2.0m	-	-	-	-	7.99	6.87	5.98	5.26	4.62	4.1	3.67
1.0m	-	-	-	-	7.87	6.74	5.87	5.18	4.56	4.06	3.64
0.0m	-	-	-	9.22	7.71	6.62	5.78	5.08	4.49	4.01	-
-1.0m	-	11.28a	11.3	9.1	7.61	6.52	5.68	4.97	4.43	-	-
-2.0m	12	12	11.26	9.06	7.56	6.43	5.6	-	-	-	-

Road
 Locked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	8.25b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.78b	7.24	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	6.41b	6.24	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	6.00b	6.21	5.45	-
3.0m	-	-	-	-	-	7.16b	6.37b	6.08b	6.14	5.41	4.81
2.0m	-	-	-	-	8.15b	7.15b	6.75b	6.65b	6.06	5.35	4.78
1.0m	-	-	-	-	9.43b	8.46b	7.86b	6.87	6	5.31	4.76
0.0m	-	-	-	12	10.95b	9.68b	8	6.83	5.96	5.28	-
-1.0m	-	9.93a	10.87a	12	11.44b	9.34b	7.97	6.82	5.96	-	-
-2.0m	9.23a	10.10a	11.85a	11.88b	10.21b	8.96b	7.98b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	8.36b	-	-	-	-	-
6.0m	-	-	-	-	8.56b	8.09b	7.67b	7.25	-	-	-
5.0m	-	-	-	-	8.39b	8.44b	7.90b	7.27	6.28	-	-
4.0m	-	-	-	-	-	8.21b	8.36b	7.25	6.34	5.48	-
3.0m	-	-	-	-	-	8.26b	8.39b	7.23	6.33	5.49	4.81
2.0m	-	-	-	-	8.74b	8.94b	8.37b	7.23	6.28	5.45	4.79
1.0m	-	-	-	-	10.56b	9.96	8.40b	7.25	6.21	5.4	4.76
0.0m	-	-	-	12	11.89b	10.02b	8.41	7.12	6.11	5.34	-
-1.0m	-	11.28a	12	12	12	10	8.27	6.98	6.03	-	-
-2.0m	12.46a	12	12	12	12	9.87	8.17	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.17	7.06	-	-	-	-	-
6.0m	-	-	-	-	8.15	7.07	6.22	5.52	-	-	-
5.0m	-	-	-	-	-	7	6.18	5.51	4.95	-	-
4.0m	-	-	-	-	-	7	6.1	5.45	4.92	4.47	-
3.0m	-	-	-	-	-	6.95	6.05	5.38	4.87	4.44	4.06
2.0m	-	-	-	-	7.96	6.84	5.98	5.3	4.81	4.4	4.04
1.0m	-	-	-	-	7.77	6.71	5.89	5.25	4.77	4.37	4.02
0.0m	-	-	10.78	8.93	7.6	6.58	5.81	5.22	4.75	4.35	-
-1.0m	8.81a	9.60a	10.52	8.76	7.48	6.52	5.8	5.23	4.76	-	-
-2.0m	10.33a	11.49a	10.51	8.77	7.53	6.6	5.88	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.18	7.08	-	-	-	-	-
6.0m	-	-	-	-	8.18	7.14	6.3	5.55	-	-	-
5.0m	-	-	-	-	-	7.12	6.31	5.62	4.99	-	-
4.0m	-	-	-	-	-	7.09	6.3	5.64	5.02	4.5	-
3.0m	-	-	-	-	-	7.07	6.29	5.63	5.02	4.5	4.06
2.0m	-	-	-	-	8.06	7.05	6.25	5.57	4.97	4.48	4.05
1.0m	-	-	-	-	7.91	6.93	6.15	5.5	4.92	4.43	4.02
0.0m	-	-	10.78	9.05	7.8	6.83	6.06	5.41	4.84	4.38	-
-1.0m	9.17a	12	10.7	8.97	7.72	6.77	5.97	5.33	4.79	-	-
-2.0m	12	12	10.69	8.95	7.68	6.69	5.9	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.46	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.42	5.69	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.35	5.65	5.07
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	6.28	5.6	5.05
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.05	6.22	5.56	5.03
0.0m	-	-	12	12	11.18b	9.6	8.08	7.01	6.2	5.55	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.02	6.21	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.41	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.4	6.51	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.38	6.54	5.73	-
3.0m	-	-	-	-	-	8.35b	8.43	7.36	6.54	5.73	5.08
2.0m	-	-	-	-	9.08b	9.18b	8.43	7.37	6.48	5.71	5.06
1.0m	-	-	-	-	10.89b	9.86b	8.46	7.39	6.41	5.64	5.03
0.0m	-	-	12	12	11.87b	9.94b	8.44	7.26	6.32	5.58	-
-1.0m	9.17a	12	12	12	11.99	9.87	8.31	7.16	6.25	-	-
-2.0m	12	12	12	12	11.92	9.75	8.22	-	-	-	-


LUL DUTIES

SECTOR A

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS


Canted Rail
50-150mm
75% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.46	5.56	-	-	-	-	-
6.0m	-	-	-	-	6.45	5.58	4.89	4.32	-	-	-
5.0m	-	-	-	-	-	5.51	4.84	4.31	3.86	-	-
4.0m	-	-	-	-	-	5.51	4.76	4.25	3.83	3.46	-
3.0m	-	-	-	-	-	5.45	4.72	4.18	3.77	3.43	3.13
2.0m	-	-	-	-	6.26	5.35	4.65	4.1	3.72	3.39	3.11
1.0m	-	-	-	-	6.07	5.22	4.56	4.05	3.68	3.36	3.09
0.0m	-	-	8.42	6.95	5.89	5.09	4.47	4.02	3.65	3.35	-
-1.0m	8.81a	9.60a	8.17	6.78	5.78	5.03	4.47	4.02	3.67	-	-
-2.0m	10.33a	10.16	8.15	6.8	5.83	5.1	4.55	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.48	5.58	-	-	-	-	-
6.0m	-	-	-	-	6.48	5.64	4.97	4.34	-	-	-
5.0m	-	-	-	-	-	5.62	4.98	4.42	3.9	-	-
4.0m	-	-	-	-	-	5.59	4.97	4.44	3.93	3.49	-
3.0m	-	-	-	-	-	5.57	4.96	4.43	3.93	3.49	3.13
2.0m	-	-	-	-	6.36	5.56	4.91	4.37	3.88	3.47	3.12
1.0m	-	-	-	-	6.21	5.44	4.82	4.3	3.82	3.42	3.09
0.0m	-	-	8.42	7.07	6.1	5.34	4.73	4.2	3.75	3.38	-
-1.0m	9.17a	10.33	8.35	6.99	6.02	5.28	4.64	4.13	3.7	-	-
-2.0m	12	10.32	8.33	6.97	5.97	5.19	4.57	-	-	-	-


Canted Rail
50-150mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.14	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.15	6.22	5.47	-	-	-
5.0m	-	-	-	-	-	7.08	6.17	5.46	4.87	-	-
4.0m	-	-	-	-	-	7.07	6.08	5.4	4.83	4.36	-
3.0m	-	-	-	-	-	7.01	6.04	5.31	4.77	4.33	3.93
2.0m	-	-	-	-	8.15b	6.9	5.96	5.23	4.72	4.28	3.91
1.0m	-	-	-	-	7.94	6.76	5.86	5.18	4.67	4.25	3.9
0.0m	-	-	11.5	9.28	7.75	6.62	5.77	5.15	4.65	4.24	-
-1.0m	8.81a	9.60a	10.62a	9.09	7.62	6.55	5.76	5.15	4.66	-	-
-2.0m	10.33a	11.49a	11.19	9.11	7.67	6.63	5.85	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.39	7.16	-	-	-	-	-
6.0m	-	-	-	-	8.38	7.22	6.31	5.49	-	-	-
5.0m	-	-	-	-	-	7.2	6.32	5.58	4.91	-	-
4.0m	-	-	-	-	-	7.17	6.3	5.6	4.94	4.39	-
3.0m	-	-	-	-	-	7.15	6.3	5.59	4.94	4.39	3.94
2.0m	-	-	-	-	8.25	7.13	6.25	5.52	4.89	4.37	3.92
1.0m	-	-	-	-	8.1	7	6.15	5.45	4.83	4.32	3.9
0.0m	-	-	11.5	9.41	7.97	6.89	6.05	5.34	4.75	4.27	-
-1.0m	9.17a	12	11.42	9.33	7.89	6.82	5.95	5.26	4.7	-	-
-2.0m	12	12	11.4	9.3	7.83	6.73	5.88	-	-	-	-


Max Cant + Twist 150-177mm
75% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.39	2.87	-	-	-	-	-
6.0m	-	-	-	-	3.38	2.88	2.48	2.15	-	-	-
5.0m	-	-	-	-	-	2.81	2.44	2.14	1.88	-	-
4.0m	-	-	-	-	-	2.81	2.36	2.08	1.85	1.65	-
3.0m	-	-	-	-	-	2.75	2.32	2.01	1.79	1.62	1.45
2.0m	-	-	-	-	3.19	2.65	2.25	1.93	1.74	1.58	1.43
1.0m	-	-	-	-	3	2.52	2.15	1.88	1.7	1.55	1.42
0.0m	-	-	4.17	3.39	2.82	2.39	2.07	1.85	1.68	1.53	-
-1.0m	6.63	4.96	3.92	3.22	2.71	2.33	2.06	1.85	1.69	-	-
-2.0m	6.55	4.91	3.9	3.23	2.76	2.4	2.15	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.41	2.89	-	-	-	-	-
6.0m	-	-	-	-	3.4	2.94	2.56	2.17	-	-	-
5.0m	-	-	-	-	-	2.92	2.57	2.25	1.92	-	-
4.0m	-	-	-	-	-	2.89	2.56	2.27	1.95	1.68	-
3.0m	-	-	-	-	-	2.88	2.55	2.26	1.95	1.68	1.46
2.0m	-	-	-	-	3.29	2.86	2.51	2.2	1.9	1.66	1.44
1.0m	-	-	-	-	3.14	2.74	2.42	2.13	1.84	1.61	1.42
0.0m	-	-	4.17	3.51	3.03	2.64	2.33	2.03	1.77	1.56	-
-1.0m	6.66	5.08	4.1	3.43	2.95	2.58	2.23	1.96	1.72	-	-
-2.0m	6.68	5.07	4.08	3.41	2.9	2.49	2.17	-	-	-	-

Max Cant + Twist 150-177mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

LUL DUTIES

SECTOR B

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.94	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.96	4.24	3.69	3.22	-	-	-
5.0m	-	-	-	-	4.93	4.19	3.65	3.23	2.86	-	-
4.0m	-	-	-	-	-	4.17	3.57	3.17	2.83	2.54	-
3.0m	-	-	-	-	-	4.13	3.53	3.1	2.78	2.52	2.28
2.0m	-	-	-	-	4.79	4.04	3.46	3.02	2.73	2.48	2.26
1.0m	-	-	-	-	4.59	3.9	3.36	2.96	2.68	2.44	2.24
0.0m	-	-	-	5.26	4.41	3.77	3.28	2.93	2.65	2.42	-
-1.0m	-	7.81	6.16	5.06	4.27	3.68	3.25	2.92	2.65	-	-
-2.0m	9.23a	7.68	6.09	5.03	4.29	3.73	3.31	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.97	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.98	4.31	3.74	3.23	-	-	-
5.0m	-	-	-	-	4.94	4.29	3.78	3.32	2.89	-	-
4.0m	-	-	-	-	-	4.26	3.77	3.35	2.93	2.57	-
3.0m	-	-	-	-	-	4.24	3.76	3.35	2.92	2.58	2.28
2.0m	-	-	-	-	4.85	4.24	3.73	3.3	2.89	2.55	2.26
1.0m	-	-	-	-	4.74	4.12	3.63	3.23	2.83	2.51	2.24
0.0m	-	-	-	5.37	4.6	4.01	3.55	3.13	2.76	2.46	-
-1.0m	-	7.88	6.32	5.27	4.51	3.93	3.45	3.04	2.71	-	-
-2.0m	10.49	7.86	6.29	5.23	4.47	3.85	3.39	-	-	-	-

Road
 Locked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	7.66	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.67	5.83	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	5.84	5.18	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	5.78	5.15	4.63	-
3.0m	-	-	-	-	-	7.16b	6.37b	5.7	5.1	4.6	4.17
2.0m	-	-	-	-	8.15b	7.15b	6.42	5.61	5.04	4.56	4.15
1.0m	-	-	-	-	8.68	7.32	6.31	5.55	4.99	4.52	4.13
0.0m	-	-	-	10.25	8.47	7.18	6.21	5.51	4.96	4.5	-
-1.0m	-	9.93a	10.87a	10.02	8.31	7.08	6.19	5.5	4.96	-	-
-2.0m	9.23a	10.10a	11.85a	9.99	8.33	7.14	6.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	7.67	-	-	-	-	-
6.0m	-	-	-	-	8.56b	7.74	6.73	5.84	-	-	-
5.0m	-	-	-	-	8.39b	7.72	6.74	5.94	5.21	-	-
4.0m	-	-	-	-	-	7.68	6.72	5.98	5.25	4.66	-
3.0m	-	-	-	-	-	7.65	6.71	5.97	5.25	4.67	4.17
2.0m	-	-	-	-	8.74b	7.65	6.71	5.92	5.21	4.64	4.16
1.0m	-	-	-	-	8.84	7.58	6.6	5.84	5.16	4.6	4.14
0.0m	-	-	-	10.38	8.69	7.46	6.52	5.73	5.08	4.54	-
-1.0m	-	11.28a	12	10.26	8.59	7.36	6.41	5.63	5.02	-	-
-2.0m	12	12	12	10.22	8.53	7.27	6.34	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.44	3.78	-	-	-	-	-
6.0m	-	-	-	-	4.42	3.8	3.3	2.89	-	-	-
5.0m	-	-	-	-	-	3.73	3.26	2.88	2.55	-	-
4.0m	-	-	-	-	-	3.72	3.17	2.82	2.52	2.26	-
3.0m	-	-	-	-	-	3.67	3.13	2.74	2.47	2.23	2.02
2.0m	-	-	-	-	4.23	3.57	3.06	2.67	2.41	2.19	2
1.0m	-	-	-	-	4.04	3.44	2.97	2.62	2.37	2.16	1.99
0.0m	-	-	5.62	4.6	3.86	3.31	2.89	2.59	2.35	2.15	-
-1.0m	8.81a	6.74	5.36	4.43	3.75	3.25	2.88	2.59	2.36	-	-
-2.0m	8.89	6.69	5.35	4.44	3.8	3.32	2.96	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.45	3.8	-	-	-	-	-
6.0m	-	-	-	-	4.45	3.86	3.38	2.91	-	-	-
5.0m	-	-	-	-	-	3.84	3.39	2.99	2.59	-	-
4.0m	-	-	-	-	-	3.81	3.38	3.01	2.62	2.29	-
3.0m	-	-	-	-	-	3.79	3.37	3	2.62	2.3	2.03
2.0m	-	-	-	-	4.33	3.77	3.32	2.93	2.57	2.27	2.01
1.0m	-	-	-	-	4.18	3.66	3.23	2.87	2.52	2.23	1.99
0.0m	-	-	5.62	4.72	4.07	3.56	3.14	2.77	2.44	2.18	-
-1.0m	9	6.86	5.54	4.64	3.99	3.49	3.05	2.7	2.39	-	-
-2.0m	9.02	6.85	5.53	4.62	3.94	3.41	2.98	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.43	5.45	-	-	-	-	-
6.0m	-	-	-	-	6.41	5.46	4.73	4.14	-	-	-
5.0m	-	-	-	-	-	5.39	4.68	4.12	3.66	-	-
4.0m	-	-	-	-	-	5.38	4.59	4.06	3.62	3.25	-
3.0m	-	-	-	-	-	5.32	4.55	3.98	3.57	3.22	2.92
2.0m	-	-	-	-	6.2	5.21	4.47	3.9	3.51	3.18	2.9
1.0m	-	-	-	-	5.99	5.07	4.37	3.84	3.46	3.15	2.88
0.0m	-	-	8.68	6.98	5.8	4.93	4.28	3.81	3.44	3.13	-
-1.0m	8.81a	9.60a	8.39	6.78	5.67	4.86	4.27	3.82	3.45	-	-
-2.0m	10.33a	10.86	8.37	6.8	5.72	4.94	4.36	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.45	5.47	-	-	-	-	-
6.0m	-	-	-	-	6.44	5.53	4.82	4.16	-	-	-
5.0m	-	-	-	-	-	5.51	4.83	4.24	3.7	-	-
4.0m	-	-	-	-	-	5.48	4.81	4.26	3.73	3.29	-
3.0m	-	-	-	-	-	5.46	4.81	4.25	3.73	3.29	2.92
2.0m	-	-	-	-	6.31	5.44	4.76	4.18	3.68	3.27	2.91
1.0m	-	-	-	-	6.15	5.31	4.65	4.12	3.62	3.22	2.88
0.0m	-	-	8.68	7.11	6.02	5.2	4.56	4.01	3.54	3.16	-
-1.0m	9.17a	11.06	8.6	7.02	5.94	5.13	4.46	3.93	3.49	-	-
-2.0m	12	11.05	8.58	7	5.88	5.04	4.39	-	-	-	-


LUL DUTIES

SECTOR B

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS


Canted Rail
50-150mm
75% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.86	3.28	-	-	-	-	-
6.0m	-	-	-	-	3.85	3.29	2.85	2.48	-	-	-
5.0m	-	-	-	-	-	3.22	2.81	2.47	2.19	-	-
4.0m	-	-	-	-	-	3.22	2.73	2.41	2.15	1.93	-
3.0m	-	-	-	-	-	3.17	2.69	2.34	2.1	1.9	1.71
2.0m	-	-	-	-	3.66	3.06	2.62	2.26	2.05	1.85	1.69
1.0m	-	-	-	-	3.47	2.93	2.52	2.21	2	1.82	1.67
0.0m	-	-	4.82	3.93	3.29	2.8	2.44	2.18	1.98	1.81	-
-1.0m	7.69	5.76	4.57	3.76	3.18	2.74	2.43	2.19	1.99	-	-
-2.0m	7.61	5.71	4.56	3.78	3.23	2.82	2.51	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.88	3.3	-	-	-	-	-
6.0m	-	-	-	-	3.88	3.36	2.93	2.51	-	-	-
5.0m	-	-	-	-	-	3.34	2.94	2.58	2.23	-	-
4.0m	-	-	-	-	-	3.31	2.93	2.6	2.25	1.95	-
3.0m	-	-	-	-	-	3.29	2.92	2.59	2.25	1.96	1.71
2.0m	-	-	-	-	3.76	3.27	2.88	2.53	2.2	1.94	1.7
1.0m	-	-	-	-	3.61	3.15	2.78	2.47	2.15	1.89	1.67
0.0m	-	-	4.82	4.05	3.5	3.06	2.69	2.37	2.08	1.84	-
-1.0m	7.71	5.88	4.75	3.98	3.42	2.99	2.6	2.29	2.03	-	-
-2.0m	7.74	5.87	4.73	3.95	3.37	2.91	2.53	-	-	-	-


Canted Rail
50-150mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.67	4.79	-	-	-	-	-
6.0m	-	-	-	-	5.66	4.81	4.15	3.62	-	-	-
5.0m	-	-	-	-	-	4.73	4.1	3.61	3.19	-	-
4.0m	-	-	-	-	-	4.73	4.01	3.54	3.16	2.83	-
3.0m	-	-	-	-	-	4.67	3.97	3.46	3.1	2.8	2.53
2.0m	-	-	-	-	5.45	4.56	3.89	3.38	3.04	2.75	2.51
1.0m	-	-	-	-	5.24	4.41	3.79	3.33	2.99	2.72	2.49
0.0m	-	-	7.59	6.08	5.04	4.27	3.7	3.29	2.97	2.71	-
-1.0m	8.81a	9.51	7.3	5.89	4.91	4.2	3.69	3.3	2.99	-	-
-2.0m	10.33a	9.45	7.28	5.91	4.97	4.29	3.78	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.69	4.81	-	-	-	-	-
6.0m	-	-	-	-	5.69	4.88	4.24	3.64	-	-	-
5.0m	-	-	-	-	-	4.85	4.25	3.72	3.23	-	-
4.0m	-	-	-	-	-	4.82	4.23	3.75	3.26	2.86	-
3.0m	-	-	-	-	-	4.8	4.23	3.73	3.26	2.86	2.53
2.0m	-	-	-	-	5.55	4.78	4.18	3.67	3.21	2.84	2.52
1.0m	-	-	-	-	5.39	4.65	4.08	3.6	3.15	2.79	2.49
0.0m	-	-	7.59	6.22	5.26	4.55	3.98	3.49	3.07	2.74	-
-1.0m	9.17a	9.66	7.5	6.13	5.18	4.48	3.88	3.41	3.02	-	-
-2.0m	12	9.65	7.49	6.1	5.13	4.38	3.81	-	-	-	-


Max Cant + Twist 150-177mm
75% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.39	2.87	-	-	-	-	-
6.0m	-	-	-	-	3.38	2.88	2.48	2.15	-	-	-
5.0m	-	-	-	-	-	2.81	2.44	2.14	1.88	-	-
4.0m	-	-	-	-	-	2.81	2.36	2.08	1.85	1.65	-
3.0m	-	-	-	-	-	2.75	2.32	2.01	1.79	1.62	1.45
2.0m	-	-	-	-	3.19	2.65	2.25	1.93	1.74	1.58	1.43
1.0m	-	-	-	-	3	2.52	2.15	1.88	1.7	1.55	1.42
0.0m	-	-	4.17	3.39	2.82	2.39	2.07	1.85	1.68	1.53	-
-1.0m	6.63	4.96	3.92	3.22	2.71	2.33	2.06	1.85	1.69	-	-
-2.0m	6.55	4.91	3.9	3.23	2.76	2.4	2.15	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.41	2.89	-	-	-	-	-
6.0m	-	-	-	-	3.4	2.94	2.56	2.17	-	-	-
5.0m	-	-	-	-	-	2.92	2.57	2.25	1.92	-	-
4.0m	-	-	-	-	-	2.89	2.56	2.27	1.95	1.68	-
3.0m	-	-	-	-	-	2.88	2.55	2.26	1.95	1.68	1.46
2.0m	-	-	-	-	3.29	2.86	2.51	2.2	1.9	1.66	1.44
1.0m	-	-	-	-	3.14	2.74	2.42	2.13	1.84	1.61	1.42
0.0m	-	-	4.17	3.51	3.03	2.64	2.33	2.03	1.77	1.56	-
-1.0m	6.66	5.08	4.1	3.43	2.95	2.58	2.23	1.96	1.72	-	-
-2.0m	6.68	5.07	4.08	3.41	2.9	2.49	2.17	-	-	-	-

Max Cant + Twist 150-177mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

LUL DUTIES

SECTOR C

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.94	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.96	4.24	3.69	3.22	-	-	-
5.0m	-	-	-	-	4.93	4.19	3.65	3.23	2.86	-	-
4.0m	-	-	-	-	-	4.17	3.57	3.17	2.83	2.54	-
3.0m	-	-	-	-	-	4.13	3.53	3.1	2.78	2.52	2.28
2.0m	-	-	-	-	4.79	4.04	3.46	3.02	2.73	2.48	2.26
1.0m	-	-	-	-	4.59	3.9	3.36	2.96	2.68	2.44	2.24
0.0m	-	-	-	5.26	4.41	3.77	3.28	2.93	2.65	2.42	-
-1.0m	-	7.81	6.16	5.06	4.27	3.68	3.25	2.92	2.65	-	-
-2.0m	9.23a	7.68	6.09	5.03	4.29	3.73	3.31	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.97	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.98	4.31	3.74	3.23	-	-	-
5.0m	-	-	-	-	4.94	4.29	3.78	3.32	2.89	-	-
4.0m	-	-	-	-	-	4.26	3.77	3.35	2.93	2.57	-
3.0m	-	-	-	-	-	4.24	3.76	3.35	2.92	2.58	2.28
2.0m	-	-	-	-	4.85	4.24	3.73	3.3	2.89	2.55	2.26
1.0m	-	-	-	-	4.74	4.12	3.63	3.23	2.83	2.51	2.24
0.0m	-	-	-	5.37	4.6	4.01	3.55	3.13	2.76	2.46	-
-1.0m	-	7.88	6.32	5.27	4.51	3.93	3.45	3.04	2.71	-	-
-2.0m	10.49	7.86	6.29	5.23	4.47	3.85	3.39	-	-	-	-

Road
 Locked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.1	6.82	-	-	-	-	-
6.0m	-	-	-	-	8.12	6.88	5.93	5.17	-	-	-
5.0m	-	-	-	-	8.09	6.81	5.9	5.18	4.59	-	-
4.0m	-	-	-	-	-	6.79	5.81	5.12	4.56	4.1	-
3.0m	-	-	-	-	-	6.74	5.76	5.04	4.51	4.06	3.68
2.0m	-	-	-	-	7.92	6.64	5.68	4.95	4.45	4.02	3.66
1.0m	-	-	-	-	7.7	6.48	5.58	4.89	4.4	3.98	3.64
0.0m	-	-	-	9.09	7.49	6.34	5.48	4.86	4.37	3.97	-
-1.0m	-	9.93a	10.87a	8.85	7.33	6.24	5.45	4.85	4.37	-	-
-2.0m	9.23a	10.10a	11.02	8.82	7.35	6.3	5.52	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.13	6.83	-	-	-	-	-
6.0m	-	-	-	-	8.14	6.95	6	5.18	-	-	-
5.0m	-	-	-	-	8.1	6.93	6.04	5.28	4.62	-	-
4.0m	-	-	-	-	-	6.89	6.02	5.32	4.66	4.12	-
3.0m	-	-	-	-	-	6.87	6.01	5.31	4.66	4.13	3.68
2.0m	-	-	-	-	7.99	6.87	5.98	5.26	4.62	4.1	3.67
1.0m	-	-	-	-	7.87	6.74	5.87	5.18	4.56	4.06	3.64
0.0m	-	-	-	9.22	7.71	6.62	5.78	5.08	4.49	4.01	-
-1.0m	-	11.28a	11.3	9.1	7.61	6.52	5.68	4.97	4.43	-	-
-2.0m	12	12	11.26	9.06	7.56	6.43	5.6	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.94	3.35	-	-	-	-	-
6.0m	-	-	-	-	3.93	3.37	2.92	2.54	-	-	-
5.0m	-	-	-	-	-	3.29	2.87	2.53	2.24	-	-
4.0m	-	-	-	-	-	3.29	2.79	2.47	2.21	1.97	-
3.0m	-	-	-	-	-	3.24	2.75	2.4	2.15	1.94	1.75
2.0m	-	-	-	-	3.74	3.13	2.68	2.32	2.1	1.9	1.73
1.0m	-	-	-	-	3.55	3	2.58	2.27	2.05	1.87	1.72
0.0m	-	-	4.94	4.03	3.37	2.87	2.5	2.24	2.03	1.86	-
-1.0m	7.87	5.9	4.68	3.86	3.26	2.81	2.49	2.24	2.05	-	-
-2.0m	7.79	5.85	4.67	3.87	3.31	2.89	2.58	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.96	3.37	-	-	-	-	-
6.0m	-	-	-	-	3.96	3.43	2.99	2.56	-	-	-
5.0m	-	-	-	-	-	3.41	3.01	2.64	2.28	-	-
4.0m	-	-	-	-	-	3.38	2.99	2.66	2.3	2	-
3.0m	-	-	-	-	-	3.36	2.99	2.65	2.3	2	1.76
2.0m	-	-	-	-	3.84	3.34	2.94	2.59	2.26	1.98	1.74
1.0m	-	-	-	-	3.69	3.22	2.85	2.52	2.2	1.94	1.72
0.0m	-	-	4.94	4.15	3.58	3.13	2.76	2.42	2.13	1.89	-
-1.0m	7.89	6.02	4.86	4.07	3.5	3.06	2.66	2.35	2.08	-	-
-2.0m	7.92	6.01	4.85	4.05	3.45	2.98	2.6	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.81	5.77	-	-	-	-	-
6.0m	-	-	-	-	6.79	5.79	5.02	4.39	-	-	-
5.0m	-	-	-	-	-	5.71	4.97	4.38	3.89	-	-
4.0m	-	-	-	-	-	5.71	4.88	4.32	3.86	3.47	-
3.0m	-	-	-	-	-	5.65	4.84	4.24	3.8	3.44	3.12
2.0m	-	-	-	-	6.58	5.54	4.76	4.16	3.74	3.39	3.1
1.0m	-	-	-	-	6.37	5.4	4.66	4.1	3.7	3.36	3.08
0.0m	-	-	9.23	7.42	6.17	5.25	4.57	4.07	3.67	3.35	-
-1.0m	8.81a	9.60a	8.93	7.23	6.05	5.19	4.56	4.07	3.69	-	-
-2.0m	10.33a	11.49a	8.92	7.25	6.1	5.27	4.65	-	-	-	-


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.82	5.8	-	-	-	-	-
6.0m	-	-	-	-	6.82	5.86	5.1	4.42	-	-	-
5.0m	-	-	-	-	-	5.84	5.12	4.5	3.94	-	-
4.0m	-	-	-	-	-	5.81	5.1	4.52	3.96	3.5	-
3.0m	-	-	-	-	-	5.78	5.09	4.51	3.96	3.5	3.12
2.0m	-	-	-	-	6.69	5.77	5.04	4.44	3.91	3.48	3.11
1.0m	-	-	-	-	6.52	5.63	4.94	4.37	3.85	3.43	3.08
0.0m	-	-	9.23	7.55	6.4	5.53	4.85	4.27	3.77	3.38	-
-1.0m	9.17a	11.76	9.14	7.47	6.32	5.46	4.74	4.19	3.72	-	-
-2.0m	12	11.75	9.12	7.44	6.26	5.37	4.67	-	-	-	-

LUL DUTIES

SECTOR C


LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Canted Rail



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.5	2.96	-	-	-	-	-
6.0m	-	-	-	-	3.48	2.97	2.57	2.23	-	-	-
5.0m	-	-	-	-	-	2.9	2.52	2.22	1.95	-	-
4.0m	-	-	-	-	-	2.9	2.44	2.16	1.92	1.71	-
3.0m	-	-	-	-	-	2.85	2.4	2.08	1.86	1.68	1.51
2.0m	-	-	-	-	3.3	2.74	2.33	2.01	1.81	1.64	1.49
1.0m	-	-	-	-	3.11	2.61	2.23	1.96	1.77	1.61	1.48
0.0m	-	-	4.32	3.51	2.93	2.48	2.15	1.93	1.75	1.6	-
-1.0m	6.87	5.14	4.07	3.34	2.81	2.42	2.15	1.93	1.76	-	-
-2.0m	6.79	5.09	4.05	3.36	2.86	2.5	2.23	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.52	2.98	-	-	-	-	-
6.0m	-	-	-	-	3.51	3.04	2.65	2.25	-	-	-
5.0m	-	-	-	-	-	3.02	2.66	2.32	1.99	-	-
4.0m	-	-	-	-	-	2.99	2.64	2.35	2.02	1.74	-
3.0m	-	-	-	-	-	2.97	2.64	2.33	2.02	1.74	1.51
2.0m	-	-	-	-	3.39	2.95	2.59	2.27	1.97	1.72	1.5
1.0m	-	-	-	-	3.24	2.83	2.5	2.21	1.91	1.67	1.48
0.0m	-	-	4.32	3.63	3.13	2.74	2.41	2.11	1.84	1.63	-
-1.0m	6.9	5.26	4.25	3.55	3.06	2.67	2.32	2.03	1.79	-	-
-2.0m	6.92	5.25	4.23	3.53	3.01	2.59	2.25	-	-	-	-

Canted Rail



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.47	4.62	-	-	-	-	-
6.0m	-	-	-	-	5.45	4.63	4	3.48	-	-	-
5.0m	-	-	-	-	-	4.55	3.95	3.47	3.07	-	-
4.0m	-	-	-	-	-	4.55	3.86	3.4	3.03	2.71	-
3.0m	-	-	-	-	-	4.49	3.81	3.32	2.97	2.68	2.42
2.0m	-	-	-	-	5.24	4.38	3.74	3.24	2.92	2.64	2.4
1.0m	-	-	-	-	5.03	4.24	3.63	3.19	2.87	2.61	2.38
0.0m	-	-	7.3	5.84	4.84	4.09	3.55	3.16	2.85	2.59	-
-1.0m	8.81a	9.14	7	5.65	4.71	4.03	3.54	3.16	2.86	-	-
-2.0m	10.33a	9.08	6.99	5.67	4.76	4.11	3.63	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.49	4.64	-	-	-	-	-
6.0m	-	-	-	-	5.48	4.7	4.08	3.5	-	-	-
5.0m	-	-	-	-	-	4.68	4.09	3.58	3.11	-	-
4.0m	-	-	-	-	-	4.65	4.08	3.61	3.14	2.74	-
3.0m	-	-	-	-	-	4.63	4.07	3.59	3.14	2.75	2.42
2.0m	-	-	-	-	5.35	4.61	4.02	3.53	3.09	2.72	2.41
1.0m	-	-	-	-	5.19	4.48	3.92	3.46	3.02	2.67	2.38
0.0m	-	-	7.3	5.98	5.06	4.37	3.82	3.35	2.95	2.62	-
-1.0m	9.17a	9.28	7.21	5.89	4.98	4.3	3.72	3.27	2.89	-	-
-2.0m	12	9.27	7.19	5.86	4.92	4.21	3.65	-	-	-	-

Max Cant + Twist


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.39	2.87	-	-	-	-	-
6.0m	-	-	-	-	3.38	2.88	2.48	2.15	-	-	-
5.0m	-	-	-	-	-	2.81	2.44	2.14	1.88	-	-
4.0m	-	-	-	-	-	2.81	2.36	2.08	1.85	1.65	-
3.0m	-	-	-	-	-	2.75	2.32	2.01	1.79	1.62	1.45
2.0m	-	-	-	-	3.19	2.65	2.25	1.93	1.74	1.58	1.43
1.0m	-	-	-	-	3	2.52	2.15	1.88	1.7	1.55	1.42
0.0m	-	-	4.17	3.39	2.82	2.39	2.07	1.85	1.68	1.53	-
-1.0m	6.63	4.96	3.92	3.22	2.71	2.33	2.06	1.85	1.69	-	-
-2.0m	6.55	4.91	3.9	3.23	2.76	2.4	2.15	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.41	2.89	-	-	-	-	-
6.0m	-	-	-	-	3.4	2.94	2.56	2.17	-	-	-
5.0m	-	-	-	-	-	2.92	2.57	2.25	1.92	-	-
4.0m	-	-	-	-	-	2.89	2.56	2.27	1.95	1.68	-
3.0m	-	-	-	-	-	2.88	2.55	2.26	1.95	1.68	1.46
2.0m	-	-	-	-	3.29	2.86	2.51	2.2	1.9	1.66	1.44
1.0m	-	-	-	-	3.14	2.74	2.42	2.13	1.84	1.61	1.42
0.0m	-	-	4.17	3.51	3.03	2.64	2.33	2.03	1.77	1.56	-
-1.0m	6.66	5.08	4.1	3.43	2.95	2.58	2.23	1.96	1.72	-	-
-2.0m	6.68	5.07	4.08	3.41	2.9	2.49	2.17	-	-	-	-

Max Cant + Twist


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

LUL DUTIES

SECTOR D

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	8.25b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.78b	7.24	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	6.41b	6.24	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	6.00b	6.21	5.45	-
3.0m	-	-	-	-	-	7.16b	6.37b	6.08b	6.14	5.41	4.81
2.0m	-	-	-	-	8.15b	7.15b	6.75b	6.65b	6.06	5.35	4.78
1.0m	-	-	-	-	9.43b	8.46b	7.86b	6.87	6	5.31	4.76
0.0m	-	-	-	12	10.95b	9.68b	8	6.83	5.96	5.28	-
-1.0m	-	9.93a	10.87a	12	11.44b	9.34b	7.97	6.82	5.96	-	-
-2.0m	9.23a	10.10a	11.85a	11.88b	10.21b	8.96b	7.98b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	8.36b	-	-	-	-	-
6.0m	-	-	-	-	8.56b	8.09b	7.67b	7.25	-	-	-
5.0m	-	-	-	-	8.39b	8.44b	7.90b	7.27	6.28	-	-
4.0m	-	-	-	-	-	8.21b	8.36b	7.25	6.34	5.48	-
3.0m	-	-	-	-	-	8.26b	8.39b	7.23	6.33	5.49	4.81
2.0m	-	-	-	-	8.74b	8.94b	8.37b	7.23	6.28	5.45	4.79
1.0m	-	-	-	-	10.56b	9.96	8.40b	7.25	6.21	5.4	4.76
0.0m	-	-	-	12	11.89b	10.02b	8.41	7.12	6.11	5.34	-
-1.0m	-	11.28a	12	12	12	10	8.27	6.98	6.03	-	-
-2.0m	12.46a	12	12	12	12	9.87	8.17	-	-	-	-

Road
 Locked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.1	6.82	-	-	-	-	-
6.0m	-	-	-	-	8.12	6.88	5.93	5.17	-	-	-
5.0m	-	-	-	-	8.09	6.81	5.9	5.18	4.59	-	-
4.0m	-	-	-	-	-	6.79	5.81	5.12	4.56	4.1	-
3.0m	-	-	-	-	-	6.74	5.76	5.04	4.51	4.06	3.68
2.0m	-	-	-	-	7.92	6.64	5.68	4.95	4.45	4.02	3.66
1.0m	-	-	-	-	7.7	6.48	5.58	4.89	4.4	3.98	3.64
0.0m	-	-	-	9.09	7.49	6.34	5.48	4.86	4.37	3.97	-
-1.0m	-	9.93a	10.87a	8.85	7.33	6.24	5.45	4.85	4.37	-	-
-2.0m	9.23a	10.10a	11.02	8.82	7.35	6.3	5.52	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.13	6.83	-	-	-	-	-
6.0m	-	-	-	-	8.14	6.95	6	5.18	-	-	-
5.0m	-	-	-	-	8.1	6.93	6.04	5.28	4.62	-	-
4.0m	-	-	-	-	-	6.89	6.02	5.32	4.66	4.12	-
3.0m	-	-	-	-	-	6.87	6.01	5.31	4.66	4.13	3.68
2.0m	-	-	-	-	7.99	6.87	5.98	5.26	4.62	4.1	3.67
1.0m	-	-	-	-	7.87	6.74	5.87	5.18	4.56	4.06	3.64
0.0m	-	-	-	9.22	7.71	6.62	5.78	5.08	4.49	4.01	-
-1.0m	-	11.28a	11.3	9.1	7.61	6.52	5.68	4.97	4.43	-	-
-2.0m	12	12	11.26	9.06	7.56	6.43	5.6	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.47	4.69	-	-	-	-	-
6.0m	-	-	-	-	5.46	4.71	4.11	3.62	-	-	-
5.0m	-	-	-	-	-	4.64	4.07	3.61	3.22	-	-
4.0m	-	-	-	-	-	4.63	3.99	3.55	3.19	2.88	-
3.0m	-	-	-	-	-	4.58	3.95	3.48	3.13	2.85	2.59
2.0m	-	-	-	-	5.27	4.48	3.88	3.4	3.08	2.81	2.57
1.0m	-	-	-	-	5.08	4.35	3.78	3.35	3.04	2.77	2.55
0.0m	-	-	7.05	5.8	4.9	4.22	3.7	3.32	3.02	2.76	-
-1.0m	8.81a	8.52	6.8	5.63	4.79	4.16	3.69	3.32	3.03	-	-
-2.0m	10.33a	8.47	6.78	5.65	4.84	4.23	3.77	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5.49	4.71	-	-	-	-	-
6.0m	-	-	-	-	5.48	4.77	4.19	3.64	-	-	-
5.0m	-	-	-	-	-	4.75	4.2	3.72	3.26	-	-
4.0m	-	-	-	-	-	4.72	4.19	3.74	3.29	2.91	-
3.0m	-	-	-	-	-	4.7	4.18	3.73	3.29	2.91	2.59
2.0m	-	-	-	-	5.37	4.68	4.14	3.67	3.24	2.89	2.58
1.0m	-	-	-	-	5.22	4.57	4.04	3.6	3.18	2.84	2.55
0.0m	-	-	7.05	5.92	5.1	4.47	3.95	3.5	3.11	2.79	-
-1.0m	9.17a	8.64	6.98	5.84	5.03	4.41	3.86	3.43	3.06	-	-
-2.0m	11.35	8.63	6.96	5.82	4.98	4.32	3.79	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.45	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	5.71	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	5.7	5.09	-	-
4.0m	-	-	-	-	-	7.18b	6.36	5.64	5.05	4.56	-
3.0m	-	-	-	-	-	7.15b	6.31	5.56	4.99	4.53	4.12
2.0m	-	-	-	-	8.15b	7.21	6.24	5.48	4.94	4.48	4.1
1.0m	-	-	-	-	8.3	7.07	6.13	5.42	4.89	4.45	4.08
0.0m	-	-	12	9.7	8.1	6.93	6.04	5.39	4.87	4.44	-
-1.0m	8.81a	9.60a	10.62a	9.51	7.98	6.86	6.04	5.39	4.88	-	-
-2.0m	10.33a	11.49a	11.71	9.53	8.03	6.94	6.13	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	7.47	-	-	-	-	-
6.0m	-	-	-	-	8.68b	7.51	6.58	5.74	-	-	-
5.0m	-	-	-	-	-	7.48	6.58	5.82	5.13	-	-
4.0m	-	-	-	-	-	7.45	6.56	5.84	5.16	4.59	-
3.0m	-	-	-	-	-	7.42	6.55	5.83	5.16	4.59	4.12
2.0m	-	-	-	-	8.57	7.43	6.52	5.76	5.11	4.57	4.11
1.0m	-	-	-	-	8.45	7.31	6.42	5.69	5.05	4.52	4.08
0.0m	-	-	12	9.84	8.33	7.2	6.32	5.59	4.97	4.47	-
-1.0m	9.17a	12	11.93	9.75	8.25	7.13	6.22	5.51	4.92	-	-
-2.0m	12	12	11.91	9.72	8.19	7.04	6.15	-	-	-	-


LUL DUTIES

SECTOR D

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS


Canted Rail
50-150mm
75% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.74	4.05	-	-	-	-	-
6.0m	-	-	-	-	4.72	4.06	3.54	3.1	-	-	-
5.0m	-	-	-	-	-	3.99	3.49	3.09	2.75	-	-
4.0m	-	-	-	-	-	3.99	3.41	3.03	2.72	2.44	-
3.0m	-	-	-	-	-	3.94	3.37	2.96	2.66	2.41	2.19
2.0m	-	-	-	-	4.54	3.83	3.3	2.88	2.61	2.37	2.17
1.0m	-	-	-	-	4.35	3.7	3.2	2.83	2.57	2.34	2.15
0.0m	-	-	6.03	4.95	4.17	3.57	3.12	2.8	2.54	2.33	-
-1.0m	8.81a	7.26	5.78	4.78	4.05	3.51	3.12	2.8	2.56	-	-
-2.0m	9.57	7.21	5.77	4.8	4.1	3.59	3.2	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.75	4.07	-	-	-	-	-
6.0m	-	-	-	-	4.75	4.13	3.62	3.12	-	-	-
5.0m	-	-	-	-	-	4.11	3.63	3.2	2.79	-	-
4.0m	-	-	-	-	-	4.08	3.62	3.22	2.82	2.47	-
3.0m	-	-	-	-	-	4.06	3.61	3.21	2.81	2.47	2.19
2.0m	-	-	-	-	4.63	4.04	3.56	3.15	2.77	2.45	2.18
1.0m	-	-	-	-	4.48	3.92	3.47	3.08	2.71	2.41	2.15
0.0m	-	-	6.03	5.07	4.37	3.82	3.38	2.99	2.64	2.36	-
-1.0m	9.17a	7.38	5.96	4.99	4.3	3.76	3.29	2.91	2.59	-	-
-2.0m	9.7	7.37	5.95	4.97	4.25	3.68	3.22	-	-	-	-


Canted Rail
50-150mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.79	6.63	-	-	-	-	-
6.0m	-	-	-	-	7.77	6.64	5.77	5.07	-	-	-
5.0m	-	-	-	-	-	6.57	5.72	5.05	4.5	-	-
4.0m	-	-	-	-	-	6.56	5.63	4.99	4.47	4.02	-
3.0m	-	-	-	-	-	6.5	5.59	4.91	4.41	3.99	3.63
2.0m	-	-	-	-	7.57	6.39	5.51	4.83	4.35	3.95	3.61
1.0m	-	-	-	-	7.35	6.25	5.41	4.77	4.31	3.92	3.59
0.0m	-	-	10.65	8.59	7.16	6.11	5.32	4.74	4.28	3.9	-
-1.0m	8.81a	9.60a	10.36	8.39	7.03	6.04	5.31	4.75	4.3	-	-
-2.0m	10.33a	11.49a	10.34	8.41	7.08	6.12	5.4	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	7.81	6.65	-	-	-	-	-
6.0m	-	-	-	-	7.8	6.71	5.86	5.09	-	-	-
5.0m	-	-	-	-	-	6.69	5.87	5.17	4.55	-	-
4.0m	-	-	-	-	-	6.66	5.85	5.19	4.57	4.05	-
3.0m	-	-	-	-	-	6.64	5.85	5.18	4.57	4.06	3.63
2.0m	-	-	-	-	7.67	6.62	5.8	5.11	4.52	4.04	3.62
1.0m	-	-	-	-	7.51	6.49	5.7	5.05	4.46	3.98	3.59
0.0m	-	-	10.65	8.72	7.38	6.38	5.6	4.94	4.38	3.93	-
-1.0m	9.17a	12	10.56	8.63	7.3	6.31	5.5	4.86	4.33	-	-
-2.0m	12	12	10.55	8.6	7.24	6.22	5.43	-	-	-	-


Max Cant + Twist 150-177mm
75% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.39	2.87	-	-	-	-	-
6.0m	-	-	-	-	3.38	2.88	2.48	2.15	-	-	-
5.0m	-	-	-	-	-	2.81	2.44	2.14	1.88	-	-
4.0m	-	-	-	-	-	2.81	2.36	2.08	1.85	1.65	-
3.0m	-	-	-	-	-	2.75	2.32	2.01	1.79	1.62	1.45
2.0m	-	-	-	-	3.19	2.65	2.25	1.93	1.74	1.58	1.43
1.0m	-	-	-	-	3	2.52	2.15	1.88	1.7	1.55	1.42
0.0m	-	-	4.17	3.39	2.82	2.39	2.07	1.85	1.68	1.53	-
-1.0m	6.63	4.96	3.92	3.22	2.71	2.33	2.06	1.85	1.69	-	-
-2.0m	6.55	4.91	3.9	3.23	2.76	2.4	2.15	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.41	2.89	-	-	-	-	-
6.0m	-	-	-	-	3.4	2.94	2.56	2.17	-	-	-
5.0m	-	-	-	-	-	2.92	2.57	2.25	1.92	-	-
4.0m	-	-	-	-	-	2.89	2.56	2.27	1.95	1.68	-
3.0m	-	-	-	-	-	2.88	2.55	2.26	1.95	1.68	1.46
2.0m	-	-	-	-	3.29	2.86	2.51	2.2	1.9	1.66	1.44
1.0m	-	-	-	-	3.14	2.74	2.42	2.13	1.84	1.61	1.42
0.0m	-	-	4.17	3.51	3.03	2.64	2.33	2.03	1.77	1.56	-
-1.0m	6.66	5.08	4.1	3.43	2.95	2.58	2.23	1.96	1.72	-	-
-2.0m	6.68	5.07	4.08	3.41	2.9	2.49	2.17	-	-	-	-

Max Cant + Twist 150-177mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

LUL DUTIES

SECTOR E

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	8.25b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.78b	7.24	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	6.41b	6.24	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	6.00b	6.21	5.45	-
3.0m	-	-	-	-	-	7.16b	6.37b	6.08b	6.14	5.41	4.81
2.0m	-	-	-	-	8.15b	7.15b	6.75b	6.65b	6.06	5.35	4.78
1.0m	-	-	-	-	9.43b	8.46b	7.86b	6.87	6	5.31	4.76
0.0m	-	-	-	12	10.95b	9.68b	8	6.83	5.96	5.28	-
-1.0m	-	9.93a	10.87a	12	11.44b	9.34b	7.97	6.82	5.96	-	-
-2.0m	9.23a	10.10a	11.85a	11.88b	10.21b	8.96b	7.98b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	8.36b	-	-	-	-	-
6.0m	-	-	-	-	8.56b	8.09b	7.67b	7.25	-	-	-
5.0m	-	-	-	-	8.39b	8.44b	7.90b	7.27	6.28	-	-
4.0m	-	-	-	-	-	8.21b	8.36b	7.25	6.34	5.48	-
3.0m	-	-	-	-	-	8.26b	8.39b	7.23	6.33	5.49	4.81
2.0m	-	-	-	-	8.74b	8.94b	8.37b	7.23	6.28	5.45	4.79
1.0m	-	-	-	-	10.56b	9.96	8.40b	7.25	6.21	5.4	4.76
0.0m	-	-	-	12	11.89b	10.02b	8.41	7.12	6.11	5.34	-
-1.0m	-	11.28a	12	12	12	10	8.27	6.98	6.03	-	-
-2.0m	12	12	12	12	12	9.87	8.17	-	-	-	-

Road
 Locked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	7.66	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.67	5.83	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	5.84	5.18	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	5.78	5.15	4.63	-
3.0m	-	-	-	-	-	7.16b	6.37b	5.7	5.1	4.6	4.17
2.0m	-	-	-	-	8.15b	7.15b	6.42	5.61	5.04	4.56	4.15
1.0m	-	-	-	-	8.68	7.32	6.31	5.55	4.99	4.52	4.13
0.0m	-	-	-	10.25	8.47	7.18	6.21	5.51	4.96	4.5	-
-1.0m	-	9.93a	10.87a	10.02	8.31	7.08	6.19	5.5	4.96	-	-
-2.0m	9.23a	10.10a	11.85a	9.99	8.33	7.14	6.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	7.67	-	-	-	-	-
6.0m	-	-	-	-	8.56b	7.74	6.73	5.84	-	-	-
5.0m	-	-	-	-	8.39b	7.72	6.74	5.94	5.21	-	-
4.0m	-	-	-	-	-	7.68	6.72	5.98	5.25	4.66	-
3.0m	-	-	-	-	-	7.65	6.71	5.97	5.25	4.67	4.17
2.0m	-	-	-	-	8.74b	7.65	6.71	5.92	5.21	4.64	4.16
1.0m	-	-	-	-	8.84	7.58	6.6	5.84	5.16	4.6	4.14
0.0m	-	-	-	10.38	8.69	7.46	6.52	5.73	5.08	4.54	-
-1.0m	-	11.28a	12	10.26	8.59	7.36	6.41	5.63	5.02	-	-
-2.0m	12	12	12	10.22	8.53	7.27	6.34	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.14	7.04	-	-	-	-	-
6.0m	-	-	-	-	8.13	7.05	6.2	5.51	-	-	-
5.0m	-	-	-	-	-	6.98	6.16	5.49	4.94	-	-
4.0m	-	-	-	-	-	6.98	6.08	5.44	4.91	4.45	-
3.0m	-	-	-	-	-	6.92	6.03	5.36	4.85	4.42	4.04
2.0m	-	-	-	-	7.94	6.82	5.96	5.29	4.8	4.38	4.03
1.0m	-	-	-	-	7.75	6.69	5.87	5.23	4.75	4.35	4.01
0.0m	-	-	10.74	8.9	7.57	6.56	5.79	5.2	4.73	4.34	-
-1.0m	8.81a	9.60a	10.49	8.73	7.45	6.5	5.78	5.21	4.75	-	-
-2.0m	10.33a	11.49a	10.47	8.74	7.5	6.57	5.86	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.16	7.06	-	-	-	-	-
6.0m	-	-	-	-	8.15	7.11	6.28	5.53	-	-	-
5.0m	-	-	-	-	-	7.09	6.29	5.6	4.98	-	-
4.0m	-	-	-	-	-	7.06	6.28	5.62	5	4.48	-
3.0m	-	-	-	-	-	7.05	6.27	5.61	5	4.48	4.05
2.0m	-	-	-	-	8.03	7.03	6.23	5.55	4.96	4.46	4.04
1.0m	-	-	-	-	7.88	6.91	6.13	5.49	4.9	4.41	4.01
0.0m	-	-	10.74	9.02	7.77	6.81	6.04	5.39	4.83	4.37	-
-1.0m	9.17a	12	10.67	8.94	7.7	6.75	5.95	5.31	4.78	-	-
-2.0m	12	12	10.65	8.92	7.65	6.66	5.88	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	6.56	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	5.86	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	5.82	5.26	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	5.76	5.23	4.76
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.33	5.71	5.18	4.74
1.0m	-	-	-	-	9.54	8.14	7.08	6.27	5.66	5.15	4.73
0.0m	-	-	12	11.17	9.34	8	6.99	6.24	5.64	5.14	-
-1.0m	8.81a	9.60a	10.62a	10.97	9.21	7.93	6.98	6.24	5.65	-	-
-2.0m	10.33a	11.49a	12	10.99	9.27	8.02	7.07	-	-	-	-


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.46	6.59	-	-	-
5.0m	-	-	-	-	-	8.46	7.44	6.63	5.9	-	-
4.0m	-	-	-	-	-	8.10b	7.42	6.62	5.93	5.29	-
3.0m	-	-	-	-	-	8.35b	7.4	6.62	5.93	5.29	4.77
2.0m	-	-	-	-	9.08b	8.38	7.4	6.61	5.87	5.27	4.75
1.0m	-	-	-	-	9.69	8.38	7.37	6.54	5.81	5.22	4.73
0.0m	-	-	12	11.3	9.57	8.28	7.27	6.44	5.74	5.17	-
-1.0m	9.17a	12	12	11.21	9.48	8.21	7.17	6.35	5.68	-	-
-2.0m	12	12	12	11.19	9.43	8.11	7.1	-	-	-	-

LUL DUTIES

SECTOR E


LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Canted Rail



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.8	5.86	-	-	-	-	-
6.0m	-	-	-	-	6.78	5.87	5.15	4.56	-	-	-
5.0m	-	-	-	-	-	5.8	5.1	4.54	4.07	-	-
4.0m	-	-	-	-	-	5.8	5.02	4.49	4.04	3.66	-
3.0m	-	-	-	-	-	5.74	4.98	4.41	3.98	3.63	3.31
2.0m	-	-	-	-	6.59	5.64	4.91	4.34	3.93	3.59	3.29
1.0m	-	-	-	-	6.4	5.51	4.82	4.28	3.89	3.56	3.28
0.0m	-	-	8.88	7.34	6.23	5.38	4.73	4.26	3.87	3.55	-
-1.0m	8.81a	9.60a	8.63	7.17	6.11	5.32	4.73	4.26	3.88	-	-
-2.0m	10.33a	10.73	8.61	7.18	6.16	5.39	4.81	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	6.81	5.88	-	-	-	-	-
6.0m	-	-	-	-	6.81	5.93	5.23	4.58	-	-	-
5.0m	-	-	-	-	-	5.91	5.24	4.65	4.11	-	-
4.0m	-	-	-	-	-	5.88	5.23	4.68	4.14	3.69	-
3.0m	-	-	-	-	-	5.87	5.22	4.66	4.14	3.69	3.31
2.0m	-	-	-	-	6.69	5.85	5.17	4.6	4.09	3.67	3.3
1.0m	-	-	-	-	6.54	5.73	5.08	4.54	4.03	3.62	3.28
0.0m	-	-	8.88	7.46	6.43	5.63	4.99	4.44	3.96	3.57	-
-1.0m	9.17a	10.9	8.81	7.38	6.35	5.57	4.9	4.36	3.91	-	-
-2.0m	12	10.89	8.79	7.36	6.31	5.48	4.83	-	-	-	-

Canted Rail



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	6.96	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.22	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.18	5.59	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.12	5.56	5.07
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.72	6.07	5.51	5.05
1.0m	-	-	-	-	9.84b	8.65	7.53	6.67	6.02	5.48	5.03
0.0m	-	-	12	11.86	9.93	8.51	7.44	6.64	6	5.47	-
-1.0m	8.81a	9.60a	10.62a	11.66	9.8	8.44	7.43	6.64	6.01	-	-
-2.0m	10.33a	11.49a	12	11.68	9.85	8.52	7.52	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	6.98	-	-	-
5.0m	-	-	-	-	-	8.53b	7.85	7	6.26	-	-
4.0m	-	-	-	-	-	8.10b	7.82	6.98	6.29	5.62	-
3.0m	-	-	-	-	-	8.35b	7.8	6.97	6.29	5.62	5.07
2.0m	-	-	-	-	9.08b	8.83	7.8	6.99	6.24	5.6	5.06
1.0m	-	-	-	-	10.22b	8.86	7.81	6.94	6.17	5.55	5.03
0.0m	-	-	12	11.99	10.15	8.78	7.72	6.84	6.1	5.5	-
-1.0m	9.17a	12	12	11.9	10.07	8.71	7.61	6.75	6.05	-	-
-2.0m	12	12	12	11.88	10.01	8.62	7.54	-	-	-	-

Max Cant + Twist


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.39	2.87	-	-	-	-	-
6.0m	-	-	-	-	3.38	2.88	2.48	2.15	-	-	-
5.0m	-	-	-	-	-	2.81	2.44	2.14	1.88	-	-
4.0m	-	-	-	-	-	2.81	2.36	2.08	1.85	1.65	-
3.0m	-	-	-	-	-	2.75	2.32	2.01	1.79	1.62	1.45
2.0m	-	-	-	-	3.19	2.65	2.25	1.93	1.74	1.58	1.43
1.0m	-	-	-	-	3	2.52	2.15	1.88	1.7	1.55	1.42
0.0m	-	-	4.17	3.39	2.82	2.39	2.07	1.85	1.68	1.53	-
-1.0m	6.63	4.96	3.92	3.22	2.71	2.33	2.06	1.85	1.69	-	-
-2.0m	6.55	4.91	3.9	3.23	2.76	2.4	2.15	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.41	2.89	-	-	-	-	-
6.0m	-	-	-	-	3.4	2.94	2.56	2.17	-	-	-
5.0m	-	-	-	-	-	2.92	2.57	2.25	1.92	-	-
4.0m	-	-	-	-	-	2.89	2.56	2.27	1.95	1.68	-
3.0m	-	-	-	-	-	2.88	2.55	2.26	1.95	1.68	1.46
2.0m	-	-	-	-	3.29	2.86	2.51	2.2	1.9	1.66	1.44
1.0m	-	-	-	-	3.14	2.74	2.42	2.13	1.84	1.61	1.42
0.0m	-	-	4.17	3.51	3.03	2.64	2.33	2.03	1.77	1.56	-
-1.0m	6.66	5.08	4.1	3.43	2.95	2.58	2.23	1.96	1.72	-	-
-2.0m	6.68	5.07	4.08	3.41	2.9	2.49	2.17	-	-	-	-

Max Cant + Twist


	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-

LUL DUTIES

SECTOR F

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS

Road
 Unlocked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.30b	8.25b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.78b	6.96	-	-	-
5.0m	-	-	-	-	8.27b	7.22b	6.40b	6.41b	6.16	-	-
4.0m	-	-	-	-	-	7.19b	6.38b	6.00b	6.13	5.5	-
3.0m	-	-	-	-	-	7.16b	6.37b	6.08b	6.07	5.46	4.94
2.0m	-	-	-	-	8.15b	7.15b	6.75b	6.65b	6.01	5.42	4.92
1.0m	-	-	-	-	9.43b	8.46b	7.62	6.66	5.96	5.38	4.9
0.0m	-	-	-	12	10.43	8.75	7.52	6.62	5.93	5.36	-
-1.0m	-	9.93a	10.87a	12	10.26	8.65	7.49	6.62	5.93	-	-
-2.0m	9.23a	10.10a	11.85a	11.88b	10.21b	8.71	7.56	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.68b	8.36b	-	-	-	-	-
6.0m	-	-	-	-	8.56b	8.09b	7.67b	6.97	-	-	-
5.0m	-	-	-	-	8.39b	8.44b	7.90b	7.01	6.19	-	-
4.0m	-	-	-	-	-	8.21b	7.92	7	6.24	5.52	-
3.0m	-	-	-	-	-	8.26b	7.9	6.99b	6.23	5.53	4.94
2.0m	-	-	-	-	8.74b	8.94b	7.89	7	6.2	5.5	4.93
1.0m	-	-	-	-	10.56b	9.07	7.92	6.97	6.13	5.46	4.9
0.0m	-	-	-	12	10.67	9.05	7.84	6.86	6.05	5.4	-
-1.0m	-	11.28a	12	12	10.56	8.95	7.73	6.75	5.99	-	-
-2.0m	12	12	12	12	10.5	8.85	7.65	-	-	-	-

Road
 Locked
 75% SWL



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.1	6.82	-	-	-	-	-
6.0m	-	-	-	-	8.12	6.88	5.93	5.17	-	-	-
5.0m	-	-	-	-	8.09	6.81	5.9	5.18	4.59	-	-
4.0m	-	-	-	-	-	6.79	5.81	5.12	4.56	4.1	-
3.0m	-	-	-	-	-	6.74	5.76	5.04	4.51	4.06	3.68
2.0m	-	-	-	-	7.92	6.64	5.68	4.95	4.45	4.02	3.66
1.0m	-	-	-	-	7.7	6.48	5.58	4.89	4.4	3.98	3.64
0.0m	-	-	-	9.09	7.49	6.34	5.48	4.86	4.37	3.96	-
-1.0m	-	9.93a	10.87a	8.85	7.33	6.24	5.45	4.85	4.37	-	-
-2.0m	9.23a	10.10a	11.01	8.82	7.35	6.3	5.52	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.13	6.83	-	-	-	-	-
6.0m	-	-	-	-	8.14	6.95	6	5.18	-	-	-
5.0m	-	-	-	-	8.1	6.93	6.04	5.28	4.62	-	-
4.0m	-	-	-	-	-	6.89	6.02	5.32	4.66	4.12	-
3.0m	-	-	-	-	-	6.87	6.01	5.31	4.66	4.13	3.68
2.0m	-	-	-	-	7.99	6.87	5.98	5.26	4.62	4.1	3.67
1.0m	-	-	-	-	7.87	6.74	5.87	5.18	4.56	4.06	3.64
0.0m	-	-	-	9.22	7.71	6.62	5.78	5.08	4.49	4.01	-
-1.0m	-	11.28a	11.3	9.1	7.61	6.52	5.68	4.97	4.43	-	-
-2.0m	12	12	11.26	9.06	7.56	6.43	5.6	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.71b	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.72b	6.51b
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	7.00b	6.91b	6.46b
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.67b	7.50b	6.90b	6.19b
0.0m	-	-	12	12	11.18b	9.88b	8.95b	7.96b	7.20b	6.45b	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	7.14b	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	7.29b	6.89b	-
3.0m	-	-	-	-	-	8.35b	8.50b	8.16b	7.54b	6.99b	6.51b
2.0m	-	-	-	-	9.08b	9.18b	8.91b	8.41b	7.67b	7.05b	6.49b
1.0m	-	-	-	-	10.89b	10.16b	9.34b	8.44b	7.69b	7.08b	6.19b
0.0m	-	-	12	12	12	10.55b	9.40b	8.49b	7.74b	6.77b	-
-1.0m	9.17a	12	12	12	12	10.66b	9.51b	8.39b	7.02b	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-

Level Rail
 0-50mm
 75% SWL
 Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.07	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.03	5.38
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	6.75	5.98	5.35
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.65	6.69	5.94	5.33
0.0m	-	-	12	12	11.18b	9.88b	8.88	7.61	6.66	5.92	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	6.97	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	6.96	6.11	-
3.0m	-	-	-	-	-	8.35b	8.50b	7.89	6.95	6.11	5.38
2.0m	-	-	-	-	9.08b	9.18b	8.91b	7.89	6.97	6.09	5.37
1.0m	-	-	-	-	10.89b	10.16b	9.12	7.92	6.89	6.02	5.33
0.0m	-	-	12	12	12	10.55b	9.19b	7.88	6.79	5.96	-
-1.0m	9.17a	12	12	12	12	10.66b	9.13	7.77	6.72	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-


LUL DUTIES

SECTOR F

LOWER SAFE WORKING LOADS

UPPER SAFE WORKING LOADS


Canted Rail
50-150mm
75% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.71b	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.72b	6.51b
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	7.00b	6.91b	6.46b
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.67b	7.50b	6.90b	6.19b
0.0m	-	-	12	12	11.18b	9.88b	8.95b	7.96b	7.20b	6.45b	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	7.14b	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	7.29b	6.89b	-
3.0m	-	-	-	-	-	8.35b	8.50b	8.16b	7.54b	6.99b	6.51b
2.0m	-	-	-	-	9.08b	9.18b	8.91b	8.41b	7.67b	7.05b	6.49b
1.0m	-	-	-	-	10.89b	10.16b	9.34b	8.44b	7.69b	7.08b	6.19b
0.0m	-	-	12	12	12	10.55b	9.40b	8.49b	7.74b	6.77b	-
-1.0m	9.17a	12	12	12	12	10.66b	9.51b	8.39b	7.02b	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-


Canted Rail
50-150mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.31b	7.64b	-	-	-	-	-
6.0m	-	-	-	-	8.31b	7.24b	6.49b	7.08b	-	-	-
5.0m	-	-	-	-	-	7.22b	6.40b	6.25b	6.72b	-	-
4.0m	-	-	-	-	-	7.18b	6.38b	6.00b	6.48b	6.07	-
3.0m	-	-	-	-	-	7.15b	6.37b	6.17b	6.55b	6.03	5.38
2.0m	-	-	-	-	8.15b	7.37b	6.94b	6.87b	6.75	5.98	5.35
1.0m	-	-	-	-	9.84b	8.74b	8.02b	7.65	6.69	5.94	5.33
0.0m	-	-	12	12	11.18b	9.88b	8.88	7.61	6.66	5.92	-
-1.0m	8.81a	9.60a	10.62a	12	11.01b	8.89b	7.91b	7.13b	6.51b	-	-
-2.0m	10.33a	11.49a	12	11.91b	10.24b	8.98b	8.02b	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	8.56b	8.18b	-	-	-	-	-
6.0m	-	-	-	-	8.68b	8.09b	7.67b	7.42b	-	-	-
5.0m	-	-	-	-	-	8.53b	7.97b	7.48b	6.97	-	-
4.0m	-	-	-	-	-	8.10b	8.41b	7.79b	6.96	6.11	-
3.0m	-	-	-	-	-	8.35b	8.50b	7.89	6.95	6.11	5.38
2.0m	-	-	-	-	9.08b	9.18b	8.91b	7.89	6.97	6.09	5.37
1.0m	-	-	-	-	10.89b	10.16b	9.12	7.92	6.89	6.02	5.33
0.0m	-	-	12	12	12	10.55b	9.19b	7.88	6.79	5.96	-
-1.0m	9.17a	12	12	12	12	10.66b	9.13	7.77	6.72	-	-
-2.0m	12	12	12	12	11.92b	10.07b	8.26b	-	-	-	-


Max Cant + Twist
150-177mm
75% SWL
Unlocked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.39	2.87	-	-	-	-	-
6.0m	-	-	-	-	3.38	2.88	2.48	2.15	-	-	-
5.0m	-	-	-	-	-	2.81	2.44	2.14	1.88	-	-
4.0m	-	-	-	-	-	2.81	2.36	2.08	1.85	1.65	-
3.0m	-	-	-	-	-	2.75	2.32	2.01	1.79	1.62	1.45
2.0m	-	-	-	-	3.19	2.65	2.25	1.93	1.74	1.58	1.43
1.0m	-	-	-	-	3	2.52	2.15	1.88	1.7	1.55	1.42
0.0m	-	-	4.17	3.39	2.82	2.39	2.07	1.85	1.68	1.53	-
-1.0m	6.63	4.96	3.92	3.22	2.71	2.33	2.06	1.85	1.69	-	-
-2.0m	6.55	4.91	3.9	3.23	2.76	2.4	2.15	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	3.41	2.89	-	-	-	-	-
6.0m	-	-	-	-	3.4	2.94	2.56	2.17	-	-	-
5.0m	-	-	-	-	-	2.92	2.57	2.25	1.92	-	-
4.0m	-	-	-	-	-	2.89	2.56	2.27	1.95	1.68	-
3.0m	-	-	-	-	-	2.88	2.55	2.26	1.95	1.68	1.46
2.0m	-	-	-	-	3.29	2.86	2.51	2.2	1.9	1.66	1.44
1.0m	-	-	-	-	3.14	2.74	2.42	2.13	1.84	1.61	1.42
0.0m	-	-	4.17	3.51	3.03	2.64	2.33	2.03	1.77	1.56	-
-1.0m	6.66	5.08	4.1	3.43	2.95	2.58	2.23	1.96	1.72	-	-
-2.0m	6.68	5.07	4.08	3.41	2.9	2.49	2.17	-	-	-	-

Max Cant + Twist
150-177mm
75% SWL
Locked



	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	4.99	4.2	-	-	-	-	-
6.0m	-	-	-	-	4.97	4.21	3.63	3.15	-	-	-
5.0m	-	-	-	-	-	4.14	3.58	3.14	2.77	-	-
4.0m	-	-	-	-	-	4.13	3.49	3.07	2.73	2.44	-
3.0m	-	-	-	-	-	4.07	3.45	2.99	2.67	2.41	2.17
2.0m	-	-	-	-	4.76	3.96	3.37	2.91	2.62	2.37	2.15
1.0m	-	-	-	-	4.55	3.82	3.27	2.86	2.57	2.33	2.13
0.0m	-	-	6.6	5.27	4.35	3.68	3.18	2.83	2.55	2.32	-
-1.0m	8.81a	8.24	6.31	5.08	4.23	3.61	3.17	2.83	2.56	-	-
-2.0m	10.33a	8.18	6.29	5.1	4.28	3.69	3.26	-	-	-	-

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m	6.5m	7.0m
7.0m	-	-	-	-	5	4.22	-	-	-	-	-
6.0m	-	-	-	-	5	4.28	3.71	3.17	-	-	-
5.0m	-	-	-	-	-	4.26	3.73	3.25	2.81	-	-
4.0m	-	-	-	-	-	4.23	3.71	3.28	2.84	2.47	-
3.0m	-	-	-	-	-	4.21	3.7	3.27	2.84	2.47	2.17
2.0m	-	-	-	-	4.87	4.19	3.65	3.2	2.79	2.45	2.16
1.0m	-	-	-	-	4.7	4.06	3.55	3.13	2.73	2.4	2.13
0.0m	-	-	6.6	5.41	4.58	3.95	3.46	3.02	2.65	2.35	-
-1.0m	9.17a	8.39	6.52	5.32	4.5	3.88	3.35	2.94	2.6	-	-
-2.0m	11.78	8.37	6.5	5.29	4.44	3.79	3.28	-	-	-	-