



Interfleet

Member of the SNC-LAVALIN Group

CERTIFICATE OF ENGINEERING ACCEPTANCE

This certificate is issued in accordance with RIS-1530-PLT Issue 5

NAME OF VEHICLE ACCEPTANCE BODY

Interfleet Technology Ltd

ACCREDITATION CODE

IF

Vehicle Class / Description

911/Rail-Ability/JCB RailMax/9A

Vehicle Owner

A P Webb Plant Hire Ltd

Issue Date

12 January, 2015

Expiry Date

12 January, 2022

Vehicle Number(s)

99709_911296-0

First Of Class

99709 911296-0 on certificate IF/0006/15 under RIS-1530-PLT Issue 5.

Authorised by:

Bryan Lowe

Interfleet Technology Ltd

OFFICIAL STAMP

Interfleet

Reason for issue and Scope of Work

Certification of upgraded Rail-Ability RailMax Road Rail Vehicle.
Manufacturer Serial No. 2084526. A. P. Webb Fleet No. RTEM 001.

Assessed for compliance with RIS-1530-PLT Issue 5.

On this certificate: Installation and test of Prolec RCI system to permit full travel and working modes on rail.

There are no other engineering changes to the RRV.

The expiry date of the previous certificate has been superseded by this new certificate.

Expiry date conforms the requirements of RIS-1530-PLT Issue 5.

Deviations associated with this certificate

None

Previous Certificate Number

IF/0591/14 : 99709 911296-0.

Customer Copy

Certificate Number: IF/0006/15

Maintenance Plan Details

Rail-Ability Rail Max RA400 Routine Maintenance Plan; RARM400RMP001; Issue 02; Dated 19-Sept-2014.

Rail-Ability Rail Max RA400 Tracked Excavator Rail Operations & Emergency Recovery Procedures; MAX001; Issue 01; Dated 03-July-2014.

Limitations of Use


1. The RRV shall only operate inside possessions.
2. When travelling, the vehicle is within W6a gauge as defined in RIS-1530-PLT.
3. When working the vehicle may be out of W6a gauge.
Minimum underside height of tail swing above rail is:
 - > 1248mm when fitted with the standard counterweight.
 - > 1344mm when fitted with the additional piggy-back counterweight.Maximum lateral tail swing gauge exceedance, as measured from the running edge of the rail:
 - > 935mm when fitted with the standard counterweight.
 - > 1251mm when fitted with the additional piggy-back counterweight.A site survey shall be undertaken to assess potential damage to infrastructure equipment prior to use.
4. The vehicle shall not on/off track, travel or work on live conductor-rail lines.
5. The vehicle shall NOT on/off track or travel under live OLE, except:
 - > It may on/off track on an approved RRAP or travel under live OLE, when used in conjunction with a safe system of work determined and authorised by taking guidance from the requirements of GE/RT8024, and provided the boom/dipper is in the travel position.
 - > Minimum OLE wire height of 4.165m.
6. Except for the cab, when the vehicle is under live OLE access is NOT permitted onto any surfaces higher than 1.4m above rail.
7. The vehicle shall NOT on/off track or work if the adjacent line or lines are open to traffic.
8. For access/egress, the vehicle shall only operate with the door to the cab adjacent to a cess or a line closed to all train movements, or the safe system of work takes account of adequate clearances to the adjacent line or lines.
9. The vehicle shall NOT work under live OLE.
10. The vehicle shall not travel on:
 - Track cants greater than 200mm;
 - Track gradients greater than 1:25;
 - Curve less than 80m.
11. The vehicle shall not work on:
 - Track cants greater than 150mm;
 - Track gradients greater than 1:25;
 - Curve less than 80m.
12. When reversing, the vehicle shall only proceed at walking speed with the driver utilising the CCTV and/or ground staff, until the superstructure/boom can be slewed to face the direction of travel.
13. For on/off tracking, a site specific work plan shall be used taking account of the requirements in Network Rail Infrastructure Plant Manual NR/PLANT/0200.
The vehicle shall not be on/off tracked on cants greater than 100mm and/or gradients greater than 1:25.
14. The RCI shall be switched on at all times, unless in digging mode.
15. The RCI has a tandem lifting mode.
16. It is not permitted to tow and/or propel rail trailers.

Supplementary Information

1. The vehicle is a Rail-Ability hydrostatically driven rail-conversion of tracked excavator with 3.0m boom, 2.85m artic and 1.91m dipper.
The RRV can also be configured with optional 1.0m lifting dipper.
The RRV can also be configured with optional 5.5T piggy-back counterweight.
2. Manufacturer Serial No. 2084526 A. P. Webb Fleet No. RTEM001.

3. The vehicle is approved to carry 1 person seated in the drivers cab.
4. It operates on rail in high-mode only.
It has no load carrying area.
5. CCTV camera fitted to the rear and side.
6. Gross vehicle weight is 40 tonnes or 45.5 tonnes when fitted with the piggy-back counterweight.
7. Maximum speeds travelling on rail not to exceed:-
 - 20mph plain line;
 - 10mph working;
 - 5mph switches and crossings;
 - 2mph raised check/guard rails;
 - 5mph emergency recovery.
8. The vehicle emergency recovery is detailed in the Rail-Ability Operations Manual.
9. Where an attachment is known to have a significant adverse affect on the RRV stability, the RCI shall always be in 'Lift Mode' when using the attachment.
10. RCI information:
 - Fitted with a Prolec Rated Capacity Indicator (RCI);
 - Model: Prolec Liftwatch Rail;
 - Hardware: 002313-001;
 - Software: V01.01.15;
 - Duty chart reference for all configurations: RTEM001; 2084526; Dated 09-Jan-2015
 - The RCI automatically recognises the dipper/counterweight configuration to apply the appropriate duty.
 - This vehicle has Normal and Tandem Lifting Modes.
 - Vehicle is permitted to lift and carry through 360 degree operation

Authorised by:
Bryan Lowe



Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 45°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	N/A
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	87 %
System Type	RIS 1530	Date	09/01/2015
Config	ROAD MODE	Auxiliary Pin - 1aUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	14.96a	15.41b	14.79b	14.86b	-	-	-	-	-	-	-	-
7.00	-	15.36b	12.64b	12.30b	12.32b	12.47b	12.61b	-	-	-	-	-
6.00	21.80b	20.66b	12.55b	11.13b	11.39b	11.60b	11.70b	11.59b	-	-	-	-
5.00	17.51b	17.33b	13.00b	12.19b	11.72b	11.58b	11.56b	11.35b	11.07b	-	-	-
4.00	-	-	14.95b	14.78b	13.21b	12.39b	11.97b	11.62b	11.09b	10.37b	-	-
3.00	-	-	-	13.00b	13.20b	13.28b	12.76b	12.01b	11.17b	10.21b	-	-
2.00	-	-	-	10.91b	11.15b	11.60b	13.43b	11.89b	10.69b	9.73b	-	-
1.00	-	-	6.13b	7.71b	8.93b	9.76b	12.64b	10.69b	9.79b	8.69b	-	-
0.00	-	7.36b	7.36b	5.95b	6.17b	12.54b	9.91b	9.17b	8.22b	-	-	-
-1.00	20.91b	18.00b	14.80b	12.54b	9.89b	8.11b	7.81b	6.85b	-	-	-	-
-2.00	11.69b	9.13b	7.45b	6.28b	5.42b	4.78b	-	-	-	-	-	-
-3.00	-	-	-	-	-	-	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	18.16a	18.10a	16.85b	15.46b	-	-	-	-	-	-	-	-
7.00	-	16.34b	16.10a	15.77b	14.31b	13.37b	12.61b	-	-	-	-	-
6.00	23.37b	21.30b	19.89b	14.32b	14.21b	13.84b	12.66b	11.86b	-	-	-	-
5.00	20.04b	20.70b	19.47b	17.98b	16.69b	13.56b	13.11b	12.08b	11.18b	-	-	-
4.00	-	-	19.41b	18.66b	16.83b	15.04b	13.17b	12.30b	11.27b	10.37b	-	-
3.00	-	-	-	19.30b	17.02b	14.82b	13.48b	12.31b	11.27b	10.30b	-	-
2.00	-	-	-	19.26b	16.98b	15.14b	13.59b	12.34b	11.24b	9.93b	-	-
1.00	-	-	17.45b	19.76b	17.21b	15.26b	13.63b	12.17b	10.67b	8.69b	-	-
0.00	-	25.44b	22.19b	19.31b	16.90b	14.74b	12.75b	10.91b	8.74b	-	-	-
-1.00	22.57b	23.18b	19.97b	16.98b	14.58b	12.32b	10.03b	7.35b	-	-	-	-
-2.00	14.22b	15.29b	13.71b	11.21b	9.02b	6.26b	-	-	-	-	-	-
-3.00	-	-	-	-	-	-	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 45° - +/- 135°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	N/A
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	ROAD MODE	Auxiliary Pin - 1bUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	14.96a	15.41b	14.79b	14.86b	-	-	-	-	-	-	-	-
7.00	-	15.36b	12.64b	12.30b	12.32b	12.47b	12.15	-	-	-	-	-
6.00	21.80b	20.66b	12.55b	11.13b	11.39b	11.60b	11.70b	10.64	-	-	-	-
5.00	17.51b	17.33b	13.00b	12.19b	11.72b	11.58b	11.56b	10.53	9.40	-	-	-
4.00	-	-	14.95b	14.78b	13.21b	12.39b	11.84	10.37	9.30	8.40	-	-
3.00	-	-	-	13.00b	13.20b	13.06	11.70	10.27	9.19	8.33	-	-
2.00	-	-	-	10.91b	11.15b	11.60b	11.55	10.16	9.12	8.27	-	-
1.00	-	-	6.13b	7.71b	8.93b	9.76b	11.43	10.10	9.08	8.26	-	-
0.00	-	7.36b	7.36b	5.95b	6.17b	12.54b	9.91b	9.17b	8.22b	-	-	-
-1.00	20.91b	18.00b	14.80b	12.54b	9.89b	8.11b	7.81b	6.85b	-	-	-	-
-2.00	11.69b	9.13b	7.45b	6.28b	5.42b	4.78b	-	-	-	-	-	-
-3.00	-	-	-	-	-	-	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	18.16a	18.10a	16.85b	15.46b	-	-	-	-	-	-	-	-
7.00	-	16.34b	16.10a	15.77b	14.31b	13.37b	12.15	-	-	-	-	-
6.00	23.37b	21.30b	19.89b	14.32b	14.21b	13.84b	12.18	10.68	-	-	-	-
5.00	20.04b	20.70b	19.47b	17.98b	15.78	13.56b	12.14	10.70	9.43	-	-	-
4.00	-	-	19.41b	18.66b	15.74	13.79	12.12	10.62	9.40	8.40	-	-
3.00	-	-	-	18.98	16.01b	13.81	12.00	10.52	9.33	8.36	-	-
2.00	-	-	-	18.83	15.94	13.66	11.85	10.38	9.24	8.30	-	-
1.00	-	-	17.45b	18.87	15.73	13.45	11.66	10.27	9.16	8.26	-	-
0.00	-	25.44b	22.19b	18.78	15.63	13.32	11.54	10.19	8.74b	-	-	-
-1.00	22.57b	23.18b	19.97b	16.98b	14.58b	12.32b	10.03b	7.35b	-	-	-	-
-2.00	14.22b	15.29b	13.71b	11.21b	9.02b	6.26b	-	-	-	-	-	-
-3.00	-	-	-	-	-	-	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 2 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 135° - +/- 180°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	N/A
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	87 %
System Type	RIS 1530	Date	09/01/2015
Config	ROAD MODE	Auxiliary Pin - 1cUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	14.96a	15.41b	14.79b	14.86b	-	-	-	-	-	-	-	-
7.00	-	15.36b	12.64b	12.30b	12.32b	12.47b	12.15	-	-	-	-	-
6.00	21.80b	20.66b	12.55b	11.13b	11.39b	11.60b	11.70b	10.64	-	-	-	-
5.00	17.51b	17.33b	13.00b	12.19b	11.72b	11.58b	11.56b	10.53	9.4	-	-	-
4.00	-	-	14.95b	14.78b	13.21b	12.39b	11.84	10.37	9.3	8.4	-	-
3.00	-	-	-	13.00b	13.20b	13.06	11.7	10.27	9.19	8.33	-	-
2.00	-	-	-	10.91b	11.15b	11.60b	11.55	10.16	9.12	8.27	-	-
1.00	-	-	6.13b	7.71b	8.93b	9.76b	11.43	10.1	9.08	8.26	-	-
0.00	-	7.36b	7.36b	5.95b	6.17b	12.54b	9.91b	9.17b	8.22b	-	-	-
-1.00	20.91b	18.00b	14.80b	12.54b	9.89b	8.11b	7.81b	6.85b	-	-	-	-
-2.00	11.69b	9.13b	7.45b	6.28b	5.42b	4.78b	-	-	-	-	-	-
-3.00	-	-	-	-	-	-	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	18.16a	18.10a	16.85b	15.46b	-	-	-	-	-	-	-	-
7.00	-	16.34b	16.10a	15.77b	14.31b	13.37b	12.15	-	-	-	-	-
6.00	23.37b	21.30b	19.89b	14.32b	14.21b	13.84b	12.18	10.68	-	-	-	-
5.00	20.04b	20.70b	19.47b	17.98b	15.78	13.56b	12.14	10.7	9.43	-	-	-
4.00	-	-	19.41b	18.66b	15.74	13.79	12.12	10.62	9.4	8.4	-	-
3.00	-	-	-	18.98	16.01b	13.81	12	10.52	9.33	8.36	-	-
2.00	-	-	-	18.83	15.94	13.66	11.85	10.38	9.24	8.3	-	-
1.00	-	-	17.45b	18.87	15.73	13.45	11.66	10.27	9.16	8.26	-	-
0.00	-	25.44b	22.19b	18.78	15.63	13.32	11.54	10.19	8.74b	-	-	-
-1.00	22.57b	23.18b	19.97b	16.98b	14.58b	12.32b	10.03b	7.35b	-	-	-	-
-2.00	14.22b	15.29b	13.71b	11.21b	9.02b	6.26b	-	-	-	-	-	-
-3.00	-	-	-	-	-	-	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 3 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2aUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2aLx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5° - +/- 15°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2bUx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	10.87	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	10.79	9.42	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	10.63	9.31	8.27	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	11.83	10.54	9.16	8.17	7.34	-	-
2.00	-	-	-	12.61b	12.80b	11.71	10.40	9.06	8.08	7.28	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	10.27	8.97	8.01	7.23	-	-
0.00	-	-	6.04b	7.12b	8.42b	11.82	10.16	8.92	7.98	7.22	-	-
-1.00	-	7.48b	7.46b	6.12b	13.96	11.74	9.48b	8.94	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	12.78	10.89	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	17.86	14.05b	12.72	10.98	9.48	-	-	-	-
4.00	-	20.32b	19.57b	17.88	14.37	12.66	10.96	9.47	8.32	-	-	-
3.00	-	-	19.30b	17.76	14.83	12.66	10.86	9.42	8.27	7.35	-	-
2.00	-	-	-	17.56	14.77	12.46	10.71	9.32	8.19	7.31	-	-
1.00	-	-	15.17b	17.62	14.49	12.24	10.52	9.17	8.11	7.26	-	-
0.00	-	-	17.50b	17.43	14.30	12.09	10.38	9.06	8.03	7.22	-	-
-1.00	-	25.20b	21.91b	17.36	14.19	11.94	10.26	9.00	8.02	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 6 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5° - +/- 15°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2bLx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 15° - +/- 25°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2cUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	11.42	9.42	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	11.33	9.38	7.97	6.88	-	-	-	-	-
5.00	20.93b	17.18	12.54b	10.55	9.33	7.82	6.81	5.99	-	-	-	-
4.00	-	16.41	12.58	10.19	8.55	7.77	6.66	5.88	5.26	-	-	-
3.00	-	-	12.11	9.86	8.31	7.18	6.58	5.75	5.17	4.66	-	-
2.00	-	-	-	9.70	8.18	7.08	6.45	5.65	5.08	4.60	-	-
1.00	-	-	12.54	9.75	8.19	7.06	6.33	5.57	5.01	4.56	-	-
0.00	-	-	6.04b	7.12b	8.28	7.17	6.23	5.53	4.99	4.55	-	-
-1.00	-	7.48b	7.46b	6.12b	8.30	7.10	6.21	5.54	5.01	-	-	-
-2.00	18.79b	15.89b	12.34	9.95	8.33	7.15	6.28	5.61	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	14.52	11.53	9.42	-	-	-	-	-	-	-
6.00	20.41a	16.31b	14.47	11.73	9.64	8.09	6.90	-	-	-	-	-
5.00	23.21b	17.83	14.34	11.70	9.69	8.15	6.98	6.04	-	-	-	-
4.00	-	17.40	14.25	11.57	9.59	8.11	6.96	6.03	5.30	-	-	-
3.00	-	-	12.74	11.13	9.33	7.98	6.87	5.99	5.26	4.67	-	-
2.00	-	-	-	10.29	9.01	7.74	6.74	5.89	5.19	4.63	-	-
1.00	-	-	12.61	10.34	8.77	7.55	6.56	5.76	5.11	4.58	-	-
0.00	-	-	12.61	10.18	8.60	7.41	6.44	5.65	5.04	4.55	-	-
-1.00	-	16.19	12.44	10.12	8.50	7.28	6.33	5.60	5.02	-	-	-
-2.00	21.37b	16.25	12.47	10.08	8.42	7.22	6.31	5.62	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 15° - +/- 25°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2cLx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 9 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 25° - +/- 35°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2dUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	19.81	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	14.41	11.17	9.02	7.49	-	-	-	-	-	-	-
6.00	18.58	14.53	11.14	8.93	7.45	6.36	5.50	-	-	-	-	-
5.00	17.82	12.89	10.05	8.20	7.40	6.22	5.43	4.79	-	-	-	-
4.00	-	12.20	9.56	7.86	6.66	6.17	5.29	4.68	4.19	-	-	-
3.00	-	-	9.13	7.55	6.44	5.61	5.22	4.55	4.10	3.71	-	-
2.00	-	-	-	7.40	6.31	5.51	5.09	4.46	4.02	3.65	-	-
1.00	-	-	9.53	7.45	6.32	5.49	4.97	4.38	3.96	3.61	-	-
0.00	-	-	6.04b	7.12b	6.41	5.60	4.88	4.34	3.93	3.60	-	-
-1.00	-	7.48b	7.46b	6.12b	6.43	5.53	4.86	4.35	3.95	-	-	-
-2.00	16.42	11.97	9.35	7.64	6.45	5.58	4.92	4.43	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	19.83	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	14.73	11.37	9.12	7.49	-	-	-	-	-	-	-
6.00	18.65	14.64	11.51	9.30	7.69	6.47	5.52	-	-	-	-	-
5.00	18.92	13.48	11.42	9.36	7.74	6.53	5.59	4.84	-	-	-	-
4.00	-	13.10	11.18	9.16	7.65	6.49	5.58	4.83	4.24	-	-	-
3.00	-	-	9.71	8.74	7.40	6.37	5.49	4.79	4.19	3.72	-	-
2.00	-	-	-	7.96	7.10	6.14	5.36	4.69	4.12	3.68	-	-
1.00	-	-	9.59	8.01	6.87	5.96	5.19	4.56	4.05	3.63	-	-
0.00	-	-	9.59	7.85	6.71	5.83	5.08	4.46	3.98	3.60	-	-
-1.00	-	11.99	9.62	7.80	6.62	5.70	4.97	4.41	3.97	-	-	-
-2.00	16.52	12.05	9.47	7.76	6.54	5.64	4.95	4.43	-	-	-	-
-3.00	12.50b	12.15	9.52	7.80	6.60	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 25° - +/- 35°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2dLx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	10.97	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	10.81	9.52	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	10.61	9.38	8.37	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.16	10.46	9.25	8.28	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	11.97	10.34	9.16	8.22	-	-
0.00	-	-	6.04b	7.12b	8.42b	13.94	11.82	10.27	9.12	8.20	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.70	11.05	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	12.62	11.04	9.59	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	14.09b	12.58	10.97	9.52	8.38	-	-
2.00	-	-	-	19.73b	17.05b	14.54	12.59	10.82	9.41	8.33	-	-
1.00	-	-	15.17b	19.43b	17.08b	14.54	12.32	10.62	9.30	8.25	-	-
0.00	-	-	17.50b	19.75b	17.23b	14.32	12.13	10.46	9.19	8.20	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.12	11.96	10.38	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 11 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 35° - +/- 45°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2eUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	16.2	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	11.97	9.35	7.57	6.29	-	-	-	-	-	-	-
6.00	15.04	12.09	9.32	7.48	6.25	5.34	4.62	-	-	-	-	-
5.00	14.33	10.52	8.26	6.77	6.20	5.20	4.54	4.00	-	-	-	-
4.00	-	9.86	7.80	6.45	5.49	5.15	4.41	3.90	3.49	-	-	-
3.00	-	-	7.38	6.15	5.26	4.60	4.33	3.77	3.40	3.07	-	-
2.00	-	-	-	6.00	5.14	4.51	4.21	3.68	3.32	3.02	-	-
1.00	-	-	7.76	6.05	5.15	4.49	4.10	3.60	3.26	2.97	-	-
0.00	-	-	6.04b	6.20	5.24	4.59	4.00	3.57	3.24	2.96	-	-
-1.00	-	7.48b	7.46b	6.12b	5.26	4.53	3.99	3.58	3.25	-	-	-
-2.00	13.01	9.64	7.59	6.23	5.28	4.58	4.05	3.65	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.40	4.72	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	16.21	-	-	-	-	-	-	-	-	-	-	-
7.00	16.58	12.28	9.55	7.67	6.29	-	-	-	-	-	-	-
6.00	15.11	12.20	9.67	7.85	6.49	5.45	4.63	-	-	-	-	-
5.00	15.36	11.08	9.59	7.90	6.54	5.50	4.70	4.05	-	-	-	-
4.00	-	10.72	9.36	7.70	6.45	5.47	4.69	4.04	3.53	-	-	-
3.00	-	-	7.94	7.30	6.20	5.35	4.60	4.00	3.49	3.08	-	-
2.00	-	-	-	6.54	5.91	5.13	4.48	3.91	3.42	3.05	-	-
1.00	-	-	7.83	6.59	5.69	4.95	4.31	3.78	3.35	3.00	-	-
0.00	-	-	7.83	6.44	5.53	4.82	4.20	3.68	3.28	2.96	-	-
-1.00	-	9.84	7.85	6.39	5.44	4.70	4.09	3.63	3.27	-	-	-
-2.00	13.11	9.72	7.70	6.35	5.36	4.64	4.08	3.65	-	-	-	-
-3.00	12.50b	9.82	7.76	6.39	5.43	4.72	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 12 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 35° - +/- 45°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2eLx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.00	10.23	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	10.12	8.82	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.71	9.92	8.67	7.69	-	-	-
3.00	-	-	14.50b	14.50b	12.79	10.86	9.81	8.48	7.56	6.79	-	-
2.00	-	-	-	12.61b	12.60	10.71	9.62	8.35	7.44	6.70	-	-
1.00	-	-	13.33b	10.22b	10.86b	10.69	9.45	8.23	7.35	6.64	-	-
0.00	-	-	6.04b	7.12b	8.42b	10.85	9.31	8.17	7.32	6.63	-	-
-1.00	-	7.48b	7.46b	6.12b	12.78	10.75	9.28	8.19	7.34	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.36	12.17	10.25	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	16.58	14.05b	12.14	10.36	8.89	-	-	-	-
4.00	-	20.32b	19.57b	16.61	14.12b	12.09	10.34	8.88	7.76	-	-	-
3.00	-	-	19.30b	16.46	14.10b	12.01	10.21	8.82	7.69	6.80	-	-
2.00	-	-	-	16.20	13.81	11.67	10.02	8.68	7.59	6.75	-	-
1.00	-	-	15.17b	16.28	13.46	11.39	9.77	8.49	7.49	6.67	-	-
0.00	-	-	17.50b	16.03	13.21	11.19	9.60	8.35	7.39	6.63	-	-
-1.00	-	25.20b	20.34	15.95	13.08	11.00	9.44	8.27	7.36	-	-	-
-2.00	21.37b	22.09b	19.16b	15.88	12.95	10.91	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 45° - +/- 65°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2fUx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	13.83	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	10.37	8.15	6.63	5.51	-	-	-	-	-	-	-
6.00	12.74	10.48	8.12	6.54	5.47	4.68	4.04	-	-	-	-	-
5.00	12.07	8.98	7.10	5.85	5.43	4.54	3.97	3.49	-	-	-	-
4.00	-	8.34	6.66	5.53	4.73	4.50	3.84	3.39	3.04	-	-	-
3.00	-	-	6.25	5.24	4.51	3.96	3.77	3.27	2.95	2.67	-	-
2.00	-	-	-	5.10	4.39	3.86	3.65	3.18	2.87	2.61	-	-
1.00	-	-	6.62	5.14	4.40	3.85	3.53	3.11	2.81	2.57	-	-
0.00	-	-	6.04b	5.29	4.49	3.95	3.44	3.07	2.79	2.56	-	-
-1.00	-	7.48b	6.45	5.32	4.50	3.89	3.42	3.08	2.80	-	-	-
-2.00	10.82	8.14	6.45	5.33	4.52	3.93	3.48	3.15	-	-	-	-
-3.00	10.94	8.27	6.57	5.44	4.64	4.07	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	13.84	-	-	-	-	-	-	-	-	-	-	-
7.00	14.19	10.66	8.34	6.72	5.51	-	-	-	-	-	-	-
6.00	12.80	10.58	8.47	6.89	5.71	4.79	4.06	-	-	-	-	-
5.00	13.03	9.52	8.39	6.94	5.75	4.84	4.13	3.54	-	-	-	-
4.00	-	9.16	8.16	6.75	5.66	4.80	4.11	3.54	3.08	-	-	-
3.00	-	-	6.79	6.36	5.43	4.68	4.03	3.49	3.04	2.67	-	-
2.00	-	-	-	5.62	5.14	4.47	3.91	3.40	2.97	2.64	-	-
1.00	-	-	6.68	5.67	4.92	4.29	3.74	3.28	2.90	2.59	-	-
0.00	-	-	6.68	5.53	4.77	4.17	3.63	3.18	2.83	2.56	-	-
-1.00	-	8.38	6.71	5.48	4.68	4.05	3.53	3.13	2.82	-	-	-
-2.00	10.91	8.21	6.56	5.44	4.61	3.99	3.51	3.15	-	-	-	-
-3.00	11.05	8.30	6.62	5.47	4.67	4.07	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 14 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 45° - +/- 65°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2fLx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	12.82	10.49	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	10.44	8.82	7.57	-	-	-	-	-
5.00	20.93b	19.33	12.54b	11.12b	10.37	8.62	7.46	6.53	-	-	-	-
4.00	-	16.90b	13.78b	11.17	9.33	8.55	7.28	6.37	5.59	-	-	-
3.00	-	-	13.25	10.73	9.01	7.77	7.17	6.18	5.46	4.84	-	-
2.00	-	-	-	10.52	8.84	7.63	7.00	6.04	5.33	4.75	-	-
1.00	-	-	13.33b	10.22b	8.85	7.61	6.84	5.92	5.24	4.69	-	-
0.00	-	-	6.04b	7.12b	8.42b	7.76	6.71	5.86	5.20	4.67	-	-
-1.00	-	7.48b	7.46b	6.12b	9.00	7.67	6.68	5.87	5.23	-	-	-
-2.00	18.79b	15.89b	13.50b	10.86	8.49b	7.49b	6.77	5.98	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.28	12.96	10.49	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	13.08	10.78	8.97	7.59	-	-	-	-	-
5.00	23.21b	20.21	14.94	12.97	10.85	9.05	7.69	6.60	-	-	-	-
4.00	-	19.63	14.91	12.89	10.72	8.99	7.67	6.59	5.66	-	-	-
3.00	-	-	14.10	12.43	10.37	8.83	7.55	6.53	5.60	4.85	-	-
2.00	-	-	-	11.31	9.94	8.51	7.37	6.38	5.49	4.80	-	-
1.00	-	-	13.92	11.38	9.62	8.26	7.14	6.19	5.38	4.72	-	-
0.00	-	-	13.92	11.16	9.40	8.07	6.98	6.04	5.28	4.67	-	-
-1.00	-	17.98	13.70	11.08	9.27	7.90	6.83	5.96	5.25	-	-	-
-2.00	21.37b	18.07	13.74	11.03	9.15	7.82	6.81	5.99	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 15 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 65° - +/- 115°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2gUx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	12.88	-	-	-	-	-	-	-	-	-	-	-
7.00	12.98	9.68	7.62	6.19	5.14	-	-	-	-	-	-	-
6.00	11.80	9.79	7.59	6.10	5.10	4.36	3.76	-	-	-	-	-
5.00	11.14	8.31	6.58	5.42	5.06	4.22	3.69	3.24	-	-	-	-
4.00	-	7.68	6.13	5.10	4.36	4.18	3.56	3.14	2.81	-	-	-
3.00	-	-	5.73	4.81	4.15	3.64	3.49	3.02	2.73	2.46	-	-
2.00	-	-	-	4.67	4.03	3.55	3.37	2.93	2.64	2.40	-	-
1.00	-	-	6.10	4.72	4.03	3.53	3.25	2.86	2.58	2.36	-	-
0.00	-	-	5.98	4.86	4.12	3.63	3.16	2.82	2.56	2.35	-	-
-1.00	-	7.47	5.93	4.89	4.14	3.57	3.15	2.83	2.58	-	-	-
-2.00	9.91	7.47	5.93	4.90	4.16	3.62	3.20	2.90	-	-	-	-
-3.00	10.03	7.60	6.05	5.01	4.28	3.76	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	12.89	-	-	-	-	-	-	-	-	-	-	-
7.00	13.23	9.97	7.81	6.28	5.14	-	-	-	-	-	-	-
6.00	11.87	9.89	7.93	6.46	5.34	4.47	3.77	-	-	-	-	-
5.00	12.10	8.84	7.85	6.51	5.38	4.52	3.85	3.29	-	-	-	-
4.00	-	8.49	7.63	6.32	5.29	4.48	3.83	3.28	2.85	-	-	-
3.00	-	-	6.27	5.93	5.06	4.37	3.75	3.24	2.81	2.47	-	-
2.00	-	-	-	5.19	4.77	4.15	3.63	3.15	2.75	2.43	-	-
1.00	-	-	6.16	5.24	4.55	3.98	3.46	3.03	2.68	2.38	-	-
0.00	-	-	6.16	5.10	4.40	3.85	3.35	2.93	2.61	2.35	-	-
-1.00	-	7.75	6.19	5.05	4.32	3.73	3.25	2.88	2.59	-	-	-
-2.00	10.00	7.55	6.04	5.01	4.24	3.67	3.23	2.90	-	-	-	-
-3.00	10.14	7.64	6.09	5.04	4.31	3.76	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 16 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 65° - +/- 115°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2gLx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	12.22	10.06	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	10.00	8.49	7.31	-	-	-	-	-
5.00	20.93b	17.96	12.54b	11.09	9.94	8.30	7.21	6.30	-	-	-	-
4.00	-	16.90b	13.08	10.63	8.93	8.23	7.03	6.14	5.40	-	-	-
3.00	-	-	12.48	10.20	8.63	7.47	6.93	5.95	5.28	4.68	-	-
2.00	-	-	-	10.00	8.46	7.34	6.76	5.82	5.15	4.60	-	-
1.00	-	-	13.03	10.06	8.47	7.32	6.60	5.70	5.06	4.54	-	-
0.00	-	-	6.04b	7.12b	8.42b	7.46	6.46	5.64	5.03	4.52	-	-
-1.00	-	7.48b	7.46b	6.12b	8.62	7.37	6.43	5.66	5.05	-	-	-
-2.00	18.79b	15.89b	12.78	10.33	8.49b	7.43	6.52	5.77	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	15.46	12.35	10.06	-	-	-	-	-	-	-
6.00	20.41a	16.31b	15.35	12.53b	10.34	8.64	7.33	-	-	-	-	-
5.00	23.21b	18.79	14.37b	12.46b	10.41	8.72	7.43	6.37	-	-	-	-
4.00	-	18.25	14.78b	12.40	10.28	8.66	7.41	6.36	5.47	-	-	-
3.00	-	-	13.29	11.84	9.94	8.50	7.30	6.30	5.41	4.69	-	-
2.00	-	-	-	10.76	9.53	8.20	7.12	6.16	5.31	4.64	-	-
1.00	-	-	13.12	10.83	9.21	7.95	6.89	5.97	5.20	4.57	-	-
0.00	-	-	13.12	10.62	9.00	7.77	6.74	5.82	5.09	4.52	-	-
-1.00	-	16.70	12.91	10.54	8.88	7.60	6.60	5.74	5.07	-	-	-
-2.00	21.37b	16.78	12.94	10.49	8.76	7.52	6.57	5.78	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 17 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 115° - +/- 135°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2hUx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	15.4	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	11.44	8.95	7.26	6.03	-	-	-	-	-	-	-
6.00	14.27	11.55	8.92	7.17	5.99	5.12	4.42	-	-	-	-	-
5.00	13.57	10.00	7.88	6.46	5.94	4.98	4.35	3.83	-	-	-	-
4.00	-	9.35	7.42	6.14	5.23	4.93	4.22	3.73	3.34	-	-	-
3.00	-	-	7.00	5.84	5.01	4.39	4.14	3.60	3.25	2.94	-	-
2.00	-	-	-	5.70	4.89	4.29	4.02	3.51	3.17	2.88	-	-
1.00	-	-	7.38	5.74	4.90	4.28	3.91	3.44	3.11	2.84	-	-
0.00	-	-	6.04b	5.89	4.99	4.38	3.82	3.40	3.09	2.83	-	-
-1.00	-	7.48b	7.21	5.92	5.00	4.32	3.80	3.41	3.10	-	-	-
-2.00	12.27	9.14	7.21	5.93	5.03	4.36	3.86	3.48	-	-	-	-
-3.00	11.25b	9.15b	7.33	6.05	5.15	4.51	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	15.42	-	-	-	-	-	-	-	-	-	-	-
7.00	15.78	11.74	9.14	7.35	6.03	-	-	-	-	-	-	-
6.00	14.34	11.66	9.27	7.53	6.23	5.23	4.44	-	-	-	-	-
5.00	14.58	10.56	9.19	7.58	6.28	5.28	4.51	3.88	-	-	-	-
4.00	-	10.20	8.96	7.39	6.19	5.24	4.49	3.87	3.38	-	-	-
3.00	-	-	7.56	6.99	5.94	5.13	4.41	3.83	3.34	2.94	-	-
2.00	-	-	-	6.23	5.65	4.91	4.29	3.74	3.27	2.91	-	-
1.00	-	-	7.44	6.28	5.43	4.73	4.12	3.61	3.20	2.86	-	-
0.00	-	-	7.44	6.13	5.28	4.60	4.01	3.51	3.13	2.83	-	-
-1.00	-	9.35	7.47	6.08	5.19	4.48	3.91	3.46	3.12	-	-	-
-2.00	12.37	9.21	7.32	6.04	5.11	4.42	3.89	3.49	-	-	-	-
-3.00	12.49b	9.31	7.38	6.08	5.17	4.51	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 18 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 115° - +/- 135°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2hLx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.04	11.51	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	11.46	9.70	8.34	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	9.50	8.24	7.23	-	-	-	-
4.00	-	16.90b	13.78b	12.39	10.36	9.43	8.05	7.09	6.29	-	-	-
3.00	-	-	14.50b	11.95	10.04	8.65	7.95	6.91	6.16	5.47	-	-
2.00	-	-	-	11.74	9.86	8.52	7.78	6.79	6.03	5.39	-	-
1.00	-	-	13.33b	10.22b	9.87	8.49	7.62	6.68	5.94	5.32	-	-
0.00	-	-	6.04b	7.12b	8.42b	8.64	7.48	6.62	5.90	5.31	-	-
-1.00	-	7.48b	7.46b	6.12b	10.03	8.55	7.46	6.64	5.93	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	14.18	11.51	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	14.13	11.80	9.86	8.36	-	-	-	-	-
5.00	23.21b	21.10b	16.45	14.00	11.79	9.93	8.47	7.30	-	-	-	-
4.00	-	20.32b	16.41	13.90	11.74	9.88	8.44	7.29	6.36	-	-	-
3.00	-	-	15.60	13.64	11.39	9.71	8.33	7.23	6.29	5.49	-	-
2.00	-	-	-	12.52	10.97	9.40	8.15	7.10	6.19	5.43	-	-
1.00	-	-	15.17b	12.60	10.64	9.14	7.92	6.92	6.08	5.36	-	-
0.00	-	-	15.40	12.38	10.42	8.96	7.76	6.79	5.97	5.31	-	-
-1.00	-	19.95	15.20	12.30	10.30	8.79	7.61	6.72	5.95	-	-	-
-2.00	21.37b	20.03	15.24	12.24	10.18	8.70	7.59	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 135° - +/- 145°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2iUx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	12.34	9.91	8.20	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.32	9.81	8.16	6.95	6.00	-	-	-	-	-
5.00	20.43	14.50	11.18	9.06	8.10	6.80	5.93	5.22	-	-	-	-
4.00	-	13.77	10.68	8.71	7.35	6.75	5.79	5.11	4.57	-	-	-
3.00	-	-	10.23	8.39	7.12	6.18	5.71	4.98	4.48	4.05	-	-
2.00	-	-	-	8.24	6.99	6.07	5.58	4.89	4.40	3.99	-	-
1.00	-	-	10.64	8.29	6.99	6.06	5.46	4.81	4.33	3.95	-	-
0.00	-	-	6.04b	7.12b	7.09	6.16	5.37	4.76	4.31	3.93	-	-
-1.00	-	7.48b	7.46b	6.12b	7.11	6.10	5.35	4.78	4.33	-	-	-
-2.00	18.79b	13.53	10.45	8.49	7.13	6.15	5.41	4.85	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.57	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	16.34	12.56	10.01	8.20	-	-	-	-	-	-	-
6.00	20.41a	16.22	12.67	10.20	8.41	7.06	6.02	-	-	-	-	-
5.00	21.59	15.11	12.58	10.26	8.46	7.12	6.09	5.27	-	-	-	-
4.00	-	14.71	12.36	10.05	8.36	7.08	6.08	5.26	4.62	-	-	-
3.00	-	-	10.83	9.62	8.11	6.95	5.99	5.22	4.57	4.06	-	-
2.00	-	-	-	8.81	7.80	6.72	5.86	5.12	4.50	4.02	-	-
1.00	-	-	10.70	8.86	7.56	6.53	5.68	4.99	4.43	3.97	-	-
0.00	-	-	10.71	8.71	7.40	6.40	5.57	4.89	4.36	3.93	-	-
-1.00	-	13.55	10.73	8.65	7.30	6.27	5.46	4.83	4.34	-	-	-
-2.00	19.03	13.62	10.57	8.61	7.22	6.21	5.44	4.86	-	-	-	-
-3.00	12.50b	13.72	10.63	8.65	7.29	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 135° - +/- 145°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2iLx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	10.89	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	10.76	9.58	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	10.60	9.47	8.53	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.02	10.49	9.37	8.45	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	11.87	10.39	9.29	8.40	-	-
0.00	-	-	6.04b	7.12b	8.42b	13.63	11.75	10.34	9.26	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.48b	10.95	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.51	13.65b	12.43b	10.94	9.63	-	-	-
3.00	-	-	19.30b	18.80b	16.43	14.09b	12.41b	10.89	9.58	8.53	-	-
2.00	-	-	-	19.73b	16.30	14.19b	12.36	10.77	9.50	8.49	-	-
1.00	-	-	15.17b	19.43b	16.63	14.09	12.14	10.61	9.41	8.43	-	-
0.00	-	-	17.50b	19.75b	16.42	13.93	12.00	10.49	9.32	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.31	13.77	11.86	10.43	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 145° - +/- 155°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2jUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	11.71	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	11.67	9.85	8.47	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	9.70	8.39	7.36	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	10.79	9.64	8.24	7.25	6.46	-	-	-
3.00	-	-	14.50b	12.65	10.53	9.02	8.16	7.11	6.37	5.74	-	-
2.00	-	-	-	12.48	10.39	8.91	8.02	7.01	6.28	5.68	-	-
1.00	-	-	13.33b	10.22b	10.40	8.89	7.90	6.93	6.21	5.63	-	-
0.00	-	-	6.04b	7.12b	8.42b	9.01	7.79	6.88	6.19	5.62	-	-
-1.00	-	7.48b	7.46b	6.12b	10.52	8.94	7.77	6.90	6.21	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	14.43	11.71	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	14.38	11.94	9.98	8.49	-	-	-	-	-
5.00	23.21b	21.10b	17.21	14.26	11.92	10.04	8.57	7.42	-	-	-	-
4.00	-	20.32b	17.18	14.19	11.89	9.99	8.55	7.41	6.51	-	-	-
3.00	-	-	16.52	14.01	11.61	9.86	8.46	7.36	6.47	5.75	-	-
2.00	-	-	-	13.11	11.27	9.61	8.32	7.26	6.39	5.71	-	-
1.00	-	-	15.17b	13.17	11.01	9.41	8.14	7.12	6.32	5.66	-	-
0.00	-	-	16.34	13.00	10.84	9.26	8.01	7.01	6.24	5.62	-	-
-1.00	-	21.69	16.19	12.93	10.74	9.13	7.89	6.96	6.22	-	-	-
-2.00	21.37b	21.77	16.22	12.89	10.64	9.06	7.87	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 22 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 145° - +/- 155°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2jLx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 23 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 155° - +/- 165°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2kUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 24 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 155° - +/- 165°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2kLx - Piggy On	
AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 25 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 165° - +/- 180°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2lUx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 26 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 165° - +/- 180°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 0-50mm CANT	Auxiliary Pin - 2Lx - Piggy On	
AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 27 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3aUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 28 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3aLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5° - +/- 15°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3bUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.06	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	11.72	10.01	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.55	9.93	8.66	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.49	9.77	8.55	7.59	-	-	-
3.00	-	-	14.50b	14.50b	12.80	10.84	9.68	8.40	7.49	6.73	-	-
2.00	-	-	-	12.61b	12.65	10.72	9.54	8.30	7.40	6.66	-	-
1.00	-	-	13.33b	10.22b	10.86b	10.70	9.41	8.21	7.33	6.62	-	-
0.00	-	-	6.04b	7.12b	8.42b	10.83	9.30	8.16	7.30	6.60	-	-
-1.00	-	7.48b	7.46b	6.12b	12.79	10.75	9.28	8.18	7.32	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.06	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.06	11.85	10.03	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	16.43	13.95	11.87	10.11	8.72	-	-	-	-
4.00	-	20.32b	19.57b	16.45	13.88	11.84	10.09	8.71	7.64	-	-	-
3.00	-	-	19.30b	16.33	13.86	11.73	10.00	8.66	7.59	6.74	-	-
2.00	-	-	-	16.13	13.59	11.46	9.85	8.56	7.51	6.70	-	-
1.00	-	-	15.17b	16.19	13.32	11.25	9.66	8.41	7.43	6.64	-	-
0.00	-	-	17.50b	16.00	13.13	11.09	9.52	8.30	7.35	6.60	-	-
-1.00	-	25.20b	20.45	15.93	13.02	10.95	9.40	8.24	7.34	-	-	-
-2.00	21.37b	22.09b	19.16b	15.88	12.92	10.88	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5° - +/- 15°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3bLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 15° - +/- 25°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3cUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	13.58	10.83	8.92	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	10.73	8.88	7.54	6.50	-	-	-	-	-
5.00	20.93b	16.23	12.37	9.95	8.82	7.39	6.42	5.64	-	-	-	-
4.00	-	15.46	11.85	9.59	8.05	7.34	6.28	5.54	4.95	-	-	-
3.00	-	-	11.38	9.26	7.81	6.75	6.20	5.40	4.86	4.38	-	-
2.00	-	-	-	9.10	7.67	6.64	6.07	5.31	4.77	4.32	-	-
1.00	-	-	11.80	9.15	7.68	6.63	5.95	5.23	4.70	4.28	-	-
0.00	-	-	6.04b	7.12b	7.78	6.74	5.85	5.18	4.68	4.27	-	-
-1.00	-	7.48b	7.46b	6.12b	7.80	6.67	5.83	5.20	4.70	-	-	-
-2.00	18.79b	15.21	11.61	9.36	7.82	6.72	5.89	5.27	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	13.80	10.93	8.92	-	-	-	-	-	-	-
6.00	20.41a	16.31b	13.80	11.13	9.13	7.65	6.51	-	-	-	-	-
5.00	23.21b	16.88	13.68	11.16	9.19	7.71	6.59	5.70	-	-	-	-
4.00	-	16.46	13.60	10.97	9.09	7.67	6.57	5.69	4.99	-	-	-
3.00	-	-	12.01	10.53	8.82	7.54	6.49	5.64	4.95	4.39	-	-
2.00	-	-	-	9.69	8.51	7.31	6.35	5.55	4.88	4.35	-	-
1.00	-	-	11.87	9.75	8.26	7.11	6.18	5.41	4.80	4.30	-	-
0.00	-	-	11.88	9.58	8.09	6.98	6.05	5.31	4.73	4.27	-	-
-1.00	-	15.24	11.88b	9.53	8.00	6.85	5.94	5.25	4.71	-	-	-
-2.00	21.37b	15.30	11.74	9.48	7.91	6.78	5.93	5.28	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.52	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 15° - +/- 25°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3cLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 25° - +/- 35°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3dUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	18.63	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	13.54	10.48	8.45	7.00	-	-	-	-	-	-	-
6.00	17.4	13.66	10.45	8.36	6.96	5.94	5.13	-	-	-	-	-
5.00	16.65	12.02	9.36	7.63	6.91	5.80	5.05	4.45	-	-	-	-
4.00	-	11.33	8.88	7.29	6.18	5.75	4.92	4.35	3.89	-	-	-
3.00	-	-	8.44	6.98	5.95	5.18	4.84	4.22	3.80	3.43	-	-
2.00	-	-	-	6.83	5.83	5.08	4.72	4.12	3.71	3.37	-	-
1.00	-	-	8.84	6.88	5.83	5.07	4.60	4.05	3.65	3.33	-	-
0.00	-	-	6.04b	7.03	5.93	5.17	4.51	4.01	3.63	3.32	-	-
-1.00	-	7.48b	7.46b	6.12b	5.94	5.11	4.49	4.02	3.65	-	-	-
-2.00	15.24	11.10	8.66	7.07	5.96	5.16	4.55	4.09	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	18.65	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	13.86	10.69	8.55	7.00	-	-	-	-	-	-	-
6.00	17.47	13.78	10.82	8.74	7.21	6.05	5.14	-	-	-	-	-
5.00	17.74	12.61	10.74	8.79	7.26	6.11	5.22	4.50	-	-	-	-
4.00	-	12.23	10.50	8.59	7.16	6.07	5.20	4.49	3.93	-	-	-
3.00	-	-	9.03	8.17	6.91	5.94	5.12	4.45	3.89	3.44	-	-
2.00	-	-	-	7.39	6.61	5.72	4.99	4.35	3.82	3.40	-	-
1.00	-	-	8.90	7.44	6.38	5.53	4.82	4.22	3.75	3.35	-	-
0.00	-	-	8.91	7.28	6.22	5.40	4.70	4.12	3.68	3.32	-	-
-1.00	-	11.13	8.93	7.23	6.13	5.28	4.60	4.07	3.66	-	-	-
-2.00	15.35	11.19	8.78	7.19	6.05	5.22	4.58	4.10	-	-	-	-
-3.00	12.50b	11.29	8.83	7.23	6.12	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 25° - +/- 35°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3dLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	11.67	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.55	9.97	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.34	9.80	8.63	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	11.21	9.60	8.49	7.57	-	-
2.00	-	-	-	12.61b	12.80b	12.46	11.01	9.46	8.36	7.48	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	10.82	9.33	8.27	7.42	-	-
0.00	-	-	6.04b	7.12b	8.42b	12.61	10.67	9.27	8.23	7.40	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	11.70	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.66	11.77	10.05	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	15.74	13.56	11.73	10.03	8.70	-	-	-
3.00	-	-	19.30b	18.80b	15.64	13.53b	11.65	9.97	8.63	7.58	-	-
2.00	-	-	-	19.72	16.03	13.51	11.45	9.82	8.52	7.53	-	-
1.00	-	-	15.17b	19.43b	15.91	13.20	11.17	9.62	8.41	7.45	-	-
0.00	-	-	17.50b	19.53	15.63	12.98	10.99	9.46	8.30	7.40	-	-
-1.00	-	25.20b	21.91b	19.14b	15.48	12.78	10.82	9.38	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 35° - +/- 45°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3eUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	15.79	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	11.67	9.10	7.37	6.12	-	-	-	-	-	-	-
6.00	14.64	11.79	9.08	7.28	6.08	5.19	4.48	-	-	-	-	-
5.00	13.93	10.22	8.02	6.57	6.03	5.05	4.41	3.88	-	-	-	-
4.00	-	9.55	7.56	6.24	5.31	5.00	4.28	3.78	3.38	-	-	-
3.00	-	-	7.14	5.94	5.09	4.45	4.20	3.65	3.29	2.97	-	-
2.00	-	-	-	5.80	4.97	4.35	4.08	3.56	3.21	2.91	-	-
1.00	-	-	7.52	5.84	4.98	4.34	3.96	3.48	3.15	2.87	-	-
0.00	-	-	6.04b	5.99	5.07	4.44	3.87	3.44	3.13	2.86	-	-
-1.00	-	7.48b	7.34	6.02	5.08	4.38	3.85	3.46	3.14	-	-	-
-2.00	12.61	9.34	7.35	6.03	5.11	4.43	3.91	3.53	-	-	-	-
-3.00	11.25b	9.15b	7.47	6.15	5.23	4.57	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	15.81	-	-	-	-	-	-	-	-	-	-	-
7.00	16.17	11.97	9.30	7.46	6.12	-	-	-	-	-	-	-
6.00	14.71	11.89	9.43	7.65	6.32	5.30	4.50	-	-	-	-	-
5.00	14.95	10.78	9.35	7.70	6.37	5.35	4.57	3.93	-	-	-	-
4.00	-	10.41	9.12	7.50	6.27	5.31	4.55	3.92	3.42	-	-	-
3.00	-	-	7.70	7.10	6.03	5.20	4.47	3.88	3.38	2.98	-	-
2.00	-	-	-	6.34	5.74	4.98	4.34	3.79	3.31	2.94	-	-
1.00	-	-	7.58	6.39	5.51	4.80	4.18	3.66	3.24	2.89	-	-
0.00	-	-	7.58	6.24	5.36	4.67	4.06	3.56	3.17	2.86	-	-
-1.00	-	9.53	7.61	6.19	5.27	4.54	3.96	3.51	3.16	-	-	-
-2.00	12.71	9.42	7.46	6.15	5.19	4.48	3.94	3.53	-	-	-	-
-3.00	12.50b	9.51	7.52	6.18	5.26	4.57	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 36 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 35° - +/- 45°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3eLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	13.32	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	11.07	9.42	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	10.85	9.31	8.10	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	10.78	9.11	7.95	7.05	-	-	-
3.00	-	-	14.50b	14.22	11.69	9.93	9.00	7.76	6.92	6.20	-	-
2.00	-	-	-	12.61b	11.50	9.78	8.81	7.63	6.80	6.12	-	-
1.00	-	-	13.33b	10.22b	10.86b	9.76	8.64	7.52	6.71	6.06	-	-
0.00	-	-	6.04b	7.12b	8.42b	9.91	8.50	7.46	6.68	6.04	-	-
-1.00	-	7.48b	7.46b	6.12b	11.68	9.82	8.47	7.47	6.70	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	13.32	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	13.42	11.23	9.44	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	15.25	13.31	11.32	9.55	8.18	-	-	-	-
4.00	-	20.32b	19.57b	15.27	13.23	11.26	9.53	8.17	7.11	-	-	-
3.00	-	-	19.10	15.84b	13.18	11.07	9.40	8.10	7.05	6.21	-	-
2.00	-	-	-	14.86	12.72	10.74	9.21	7.97	6.95	6.16	-	-
1.00	-	-	15.17b	14.94	12.36	10.46	8.96	7.78	6.85	6.09	-	-
0.00	-	-	17.50b	14.70	12.11	10.26	8.79	7.63	6.74	6.04	-	-
-1.00	-	25.20b	18.64	14.61	11.98	10.07	8.63	7.56	6.72	-	-	-
-2.00	21.37b	22.09b	18.69	14.55	11.85	9.98	8.61	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 45° - +/- 65°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3fux - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	13.67	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	10.25	8.06	6.55	5.44	-	-	-	-	-	-	-
6.00	12.58	10.36	8.03	6.46	5.41	4.62	3.99	-	-	-	-	-
5.00	11.91	8.86	7.01	5.77	5.36	4.48	3.92	3.45	-	-	-	-
4.00	-	8.23	6.56	5.45	4.66	4.44	3.79	3.35	2.99	-	-	-
3.00	-	-	6.16	5.16	4.44	3.90	3.71	3.22	2.91	2.63	-	-
2.00	-	-	-	5.02	4.32	3.80	3.59	3.13	2.83	2.57	-	-
1.00	-	-	6.53	5.06	4.33	3.79	3.48	3.06	2.77	2.53	-	-
0.00	-	-	6.04b	5.21	4.42	3.89	3.39	3.02	2.74	2.52	-	-
-1.00	-	7.48b	6.36	5.24	4.43	3.83	3.37	3.03	2.76	-	-	-
-2.00	10.66	8.02	6.36	5.25	4.46	3.87	3.43	3.10	-	-	-	-
-3.00	10.78	8.15	6.48	5.36	4.57	4.01	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	13.69	-	-	-	-	-	-	-	-	-	-	-
7.00	14.03	10.54	8.25	6.64	5.44	-	-	-	-	-	-	-
6.00	12.65	10.46	8.37	6.82	5.64	4.73	4.00	-	-	-	-	-
5.00	12.88	9.40	8.29	6.87	5.69	4.78	4.07	3.50	-	-	-	-
4.00	-	9.05	8.07	6.67	5.60	4.74	4.06	3.49	3.04	-	-	-
3.00	-	-	6.70	6.28	5.36	4.62	3.98	3.45	3.00	2.63	-	-
2.00	-	-	-	5.54	5.07	4.41	3.85	3.36	2.93	2.60	-	-
1.00	-	-	6.59	5.59	4.85	4.23	3.69	3.23	2.86	2.55	-	-
0.00	-	-	6.59	5.45	4.70	4.11	3.58	3.13	2.79	2.52	-	-
-1.00	-	8.28	6.61	5.40	4.62	3.99	3.48	3.08	2.77	-	-	-
-2.00	10.76	8.09	6.47	5.36	4.54	3.93	3.46	3.11	-	-	-	-
-3.00	10.90	8.19	6.52	5.39	4.60	4.01	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 38 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 45° - +/- 65°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3fLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	12.52	10.23	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	10.18	8.60	7.37	-	-	-	-	-
5.00	20.93b	18.84	12.54b	11.12b	10.11	8.40	7.27	6.36	-	-	-	-
4.00	-	16.90b	13.50	10.87	9.08	8.33	7.08	6.22	5.54	-	-	-
3.00	-	-	12.88	10.43	8.76	7.55	6.98	6.05	5.42	4.88	-	-
2.00	-	-	-	10.21	8.58	7.41	6.81	5.92	5.30	4.80	-	-
1.00	-	-	13.33b	10.22b	8.59	7.39	6.64	5.81	5.22	4.74	-	-
0.00	-	-	6.04b	7.12b	8.42b	7.54	6.51	5.76	5.19	4.72	-	-
-1.00	-	7.48b	7.46b	6.12b	8.75	7.45	6.49	5.77	5.21	-	-	-
-2.00	18.79b	15.89b	13.19	10.55	8.49b	7.49b	6.57	5.87	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	15.93	12.65	10.23	-	-	-	-	-	-	-
6.00	20.41a	16.31b	15.79	12.80	10.52	8.75	7.39	-	-	-	-	-
5.00	23.21b	19.72	14.57	12.70	10.59	8.83	7.50	6.43	-	-	-	-
4.00	-	19.14	14.78b	12.63	10.46	8.77	7.47	6.42	5.60	-	-	-
3.00	-	-	13.72	12.12	10.11	8.60	7.36	6.36	5.54	4.89	-	-
2.00	-	-	-	11.00	9.69	8.29	7.18	6.23	5.45	4.84	-	-
1.00	-	-	13.54	11.07	9.36	8.04	6.95	6.06	5.35	4.77	-	-
0.00	-	-	13.54	10.86	9.14	7.85	6.78	5.92	5.25	4.72	-	-
-1.00	-	17.49	13.32	10.78	9.02	7.68	6.64	5.85	5.23	-	-	-
-2.00	21.37b	17.58	13.36	10.72	8.90	7.60	6.61	5.88	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 65° - +/- 115°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3gUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	12.85	-	-	-	-	-	-	-	-	-	-	-
7.00	12.95	9.66	7.60	6.18	5.13	-	-	-	-	-	-	-
6.00	11.78	9.77	7.57	6.09	5.09	4.35	3.75	-	-	-	-	-
5.00	11.12	8.29	6.56	5.41	5.05	4.22	3.68	3.24	-	-	-	-
4.00	-	7.66	6.12	5.09	4.35	4.17	3.55	3.14	2.80	-	-	-
3.00	-	-	5.72	4.80	4.14	3.63	3.48	3.01	2.72	2.45	-	-
2.00	-	-	-	4.66	4.02	3.54	3.36	2.92	2.64	2.39	-	-
1.00	-	-	6.08	4.70	4.02	3.52	3.25	2.85	2.58	2.35	-	-
0.00	-	-	5.97	4.85	4.11	3.62	3.15	2.81	2.55	2.34	-	-
-1.00	-	7.45	5.91	4.88	4.13	3.56	3.14	2.82	2.57	-	-	-
-2.00	9.88	7.45	5.92	4.88	4.15	3.61	3.20	2.89	-	-	-	-
-3.00	10.00	7.58	6.03	5.00	4.27	3.75	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	12.87	-	-	-	-	-	-	-	-	-	-	-
7.00	13.21	9.95	7.79	6.27	5.13	-	-	-	-	-	-	-
6.00	11.84	9.87	7.91	6.44	5.32	4.46	3.77	-	-	-	-	-
5.00	12.07	8.82	7.84	6.49	5.37	4.51	3.84	3.28	-	-	-	-
4.00	-	8.47	7.61	6.30	5.28	4.47	3.82	3.28	2.85	-	-	-
3.00	-	-	6.26	5.92	5.05	4.36	3.74	3.24	2.81	2.46	-	-
2.00	-	-	-	5.18	4.76	4.14	3.62	3.14	2.74	2.42	-	-
1.00	-	-	6.14	5.23	4.54	3.97	3.45	3.02	2.67	2.38	-	-
0.00	-	-	6.14	5.08	4.39	3.84	3.34	2.92	2.60	2.34	-	-
-1.00	-	7.73	6.17	5.03	4.31	3.72	3.24	2.87	2.59	-	-	-
-2.00	9.98	7.53	6.03	4.99	4.23	3.66	3.22	2.90	-	-	-	-
-3.00	10.11	7.62	6.08	5.03	4.29	3.75	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 40 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 65° - +/- 115°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3gLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.23	11.34	9.31	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	11.21	9.26	7.85	6.74	-	-	-	-	-
5.00	20.93b	16.58	12.54b	10.21	9.19	7.66	6.64	5.82	-	-	-	-
4.00	-	15.60	12.01	9.75	8.19	7.59	6.46	5.68	5.07	-	-	-
3.00	-	-	11.41	9.33	7.88	6.83	6.36	5.51	4.95	4.46	-	-
2.00	-	-	-	9.12	7.72	6.69	6.19	5.39	4.84	4.38	-	-
1.00	-	-	11.96	9.18	7.72	6.67	6.03	5.28	4.76	4.32	-	-
0.00	-	-	6.04b	7.12b	7.85	6.81	5.90	5.23	4.72	4.30	-	-
-1.00	-	7.48b	7.46b	6.12b	7.87	6.73	5.88	5.25	4.75	-	-	-
-2.00	18.79b	15.29	11.71	9.45	7.90	6.79	5.96	5.34	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	14.50	11.47	9.31	-	-	-	-	-	-	-
6.00	20.41a	16.31b	14.43	11.73	9.59	8.00	6.76	-	-	-	-	-
5.00	23.21b	17.41	14.27	11.70	9.66	8.07	6.86	5.89	-	-	-	-
4.00	-	16.87	14.16	11.52	9.53	8.02	6.84	5.88	5.13	-	-	-
3.00	-	-	12.22	10.96	9.19	7.86	6.73	5.82	5.07	4.47	-	-
2.00	-	-	-	9.88	8.79	7.55	6.55	5.70	4.98	4.42	-	-
1.00	-	-	12.04	9.95	8.47	7.30	6.33	5.52	4.88	4.35	-	-
0.00	-	-	12.05	9.74	8.25	7.12	6.17	5.39	4.79	4.30	-	-
-1.00	-	15.32	11.88b	9.67	8.13	6.96	6.03	5.32	4.77	-	-	-
-2.00	21.37b	15.40	11.87	9.61	8.02	6.87	6.00	5.35	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 115° - +/- 135°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3hUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	14.75	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	10.94	8.55	6.93	5.75	-	-	-	-	-	-	-
6.00	13.61	11.06	8.52	6.84	5.71	4.87	4.20	-	-	-	-	-
5.00	12.92	9.51	7.48	6.13	5.66	4.73	4.13	3.63	-	-	-	-
4.00	-	8.86	7.02	5.81	4.95	4.69	4.00	3.53	3.16	-	-	-
3.00	-	-	6.61	5.51	4.73	4.14	3.92	3.41	3.07	2.77	-	-
2.00	-	-	-	5.37	4.61	4.04	3.80	3.32	2.99	2.71	-	-
1.00	-	-	6.98	5.41	4.61	4.03	3.69	3.24	2.93	2.67	-	-
0.00	-	-	6.04b	5.56	4.70	4.13	3.60	3.20	2.90	2.66	-	-
-1.00	-	7.48b	6.81	5.59	4.72	4.07	3.58	3.21	2.92	-	-	-
-2.00	11.62	8.64	6.81	5.60	4.74	4.11	3.64	3.28	-	-	-	-
-3.00	11.25b	8.78	6.93	5.72	4.86	4.26	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	14.76	-	-	-	-	-	-	-	-	-	-	-
7.00	15.12	11.24	8.75	7.02	5.75	-	-	-	-	-	-	-
6.00	13.68	11.16	8.87	7.20	5.95	4.98	4.22	-	-	-	-	-
5.00	13.92	10.07	8.79	7.25	5.99	5.03	4.29	3.68	-	-	-	-
4.00	-	9.70	8.57	7.06	5.90	5.00	4.27	3.67	3.20	-	-	-
3.00	-	-	7.16	6.66	5.66	4.88	4.19	3.63	3.16	2.78	-	-
2.00	-	-	-	5.90	5.37	4.66	4.07	3.54	3.09	2.74	-	-
1.00	-	-	7.05	5.95	5.15	4.48	3.90	3.41	3.02	2.69	-	-
0.00	-	-	7.05	5.80	4.99	4.35	3.79	3.32	2.95	2.66	-	-
-1.00	-	8.87	7.07	5.75	4.91	4.23	3.68	3.27	2.94	-	-	-
-2.00	11.72	8.72	6.93	5.71	4.83	4.17	3.67	3.29	-	-	-	-
-3.00	11.85	8.82	6.98	5.75	4.89	4.26	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 42 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 115° - +/- 135°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3hLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	12.78	10.46	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	10.40	8.79	7.54	-	-	-	-	-
5.00	20.93b	19.27	12.54b	11.12b	10.33	8.59	7.44	6.52	-	-	-	-
4.00	-	16.90b	13.78b	11.13	9.30	8.52	7.25	6.37	5.68	-	-	-
3.00	-	-	13.20	10.69	8.98	7.74	7.15	6.20	5.56	5.00	-	-
2.00	-	-	-	10.48	8.81	7.60	6.98	6.07	5.44	4.92	-	-
1.00	-	-	13.33b	10.22b	8.82	7.58	6.81	5.96	5.36	4.86	-	-
0.00	-	-	6.04b	7.12b	8.42b	7.73	6.68	5.91	5.32	4.85	-	-
-1.00	-	7.48b	7.46b	6.12b	8.97	7.64	6.66	5.92	5.35	-	-	-
-2.00	18.79b	15.89b	13.50b	10.82	8.49b	7.49b	6.74	6.02	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.23	12.92	10.46	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	13.04	10.75	8.95	7.56	-	-	-	-	-
5.00	23.21b	20.15	14.90	12.93	10.82	9.02	7.67	6.58	-	-	-	-
4.00	-	19.57	14.86	12.85	10.68	8.97	7.64	6.57	5.74	-	-	-
3.00	-	-	14.05	12.39	10.33	8.80	7.53	6.52	5.68	5.01	-	-
2.00	-	-	-	11.27	9.91	8.49	7.35	6.39	5.59	4.96	-	-
1.00	-	-	13.87	11.34	9.59	8.23	7.12	6.21	5.49	4.89	-	-
0.00	-	-	13.87	11.12	9.36	8.05	6.95	6.07	5.39	4.85	-	-
-1.00	-	17.92	13.65	11.05	9.24	7.87	6.81	6.00	5.37	-	-	-
-2.00	21.37b	18.01	13.69	10.99	9.12	7.79	6.78	6.03	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 43 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 135° - +/- 145°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3iUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	21.17	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.09	11.56	9.27	7.65	-	-	-	-	-	-	-
6.00	19.28a	15.22	11.54	9.17	7.61	6.48	5.58	-	-	-	-	-
5.00	19.05	13.50	10.40	8.42	7.56	6.33	5.51	4.84	-	-	-	-
4.00	-	12.77	9.90	8.07	6.80	6.28	5.37	4.74	4.23	-	-	-
3.00	-	-	9.45	7.75	6.57	5.70	5.29	4.61	4.14	3.74	-	-
2.00	-	-	-	7.60	6.44	5.60	5.16	4.51	4.06	3.68	-	-
1.00	-	-	9.86	7.65	6.45	5.58	5.04	4.43	4.00	3.64	-	-
0.00	-	-	6.04b	7.12b	6.55	5.69	4.95	4.39	3.97	3.63	-	-
-1.00	-	7.48b	7.46b	6.12b	6.56	5.63	4.93	4.40	3.99	-	-	-
-2.00	17.54	12.53	9.67	7.85	6.59	5.67	4.99	4.48	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	21.19	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	15.43b	11.78	9.37	7.65	-	-	-	-	-	-	-
6.00	19.86	15.34b	11.92	9.56	7.86	6.59	5.60	-	-	-	-	-
5.00	20.21	14.12	11.83	9.62	7.92	6.65	5.68	4.89	-	-	-	-
4.00	-	13.71	11.58	9.41	7.82	6.60	5.66	4.89	4.28	-	-	-
3.00	-	-	10.05	8.98	7.56	6.48	5.57	4.84	4.24	3.75	-	-
2.00	-	-	-	8.17	7.25	6.25	5.44	4.75	4.16	3.71	-	-
1.00	-	-	9.92	8.22	7.01	6.06	5.27	4.61	4.09	3.66	-	-
0.00	-	-	9.93	8.06	6.85	5.93	5.15	4.51	4.02	3.63	-	-
-1.00	-	12.56	9.95	8.01	6.76	5.80	5.04	4.46	4.00	-	-	-
-2.00	17.66	12.62	9.79	7.97	6.68	5.74	5.02	4.48	-	-	-	-
-3.00	12.50b	12.73	9.85	8.01	6.74	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 PAGE 44 of 75
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 135° - +/- 145°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3iLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	11.82	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	10.23	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.52	10.08	8.95	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	11.40	9.89	8.83	7.93	-	-
2.00	-	-	-	12.61b	12.80b	12.55	11.22	9.76	8.71	7.85	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	11.04	9.64	8.62	7.79	-	-
0.00	-	-	6.04b	7.12b	8.42b	12.68	10.90	9.58	8.58	7.77	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	11.85	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.64	11.90	10.30	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	15.47	13.55b	11.85	10.29	9.02	-	-	-
3.00	-	-	19.30b	18.80b	15.38	13.53b	11.81	10.23	8.96	7.94	-	-
2.00	-	-	-	18.82	15.83b	13.50	11.62	10.09	8.86	7.89	-	-
1.00	-	-	15.17b	18.90	15.61	13.22	11.37	9.90	8.75	7.82	-	-
0.00	-	-	17.50b	18.65	15.37	13.02	11.19	9.76	8.65	7.77	-	-
-1.00	-	25.20b	21.91b	18.57	15.23	12.84	11.04	9.68	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 45 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 145° - +/- 155°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3jUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	13.72	11.20	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	11.16	9.42	8.09	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.10	9.26	8.01	7.02	-	-	-	-
4.00	-	16.90b	13.78b	12.39	10.28	9.21	7.86	6.91	6.16	-	-	-
3.00	-	-	14.50b	12.04	10.02	8.59	7.78	6.77	6.07	5.46	-	-
2.00	-	-	-	11.87	9.89	8.48	7.64	6.67	5.97	5.40	-	-
1.00	-	-	13.33b	10.22b	9.89	8.46	7.52	6.59	5.91	5.36	-	-
0.00	-	-	6.04b	7.12b	8.42b	8.58	7.41	6.54	5.88	5.34	-	-
-1.00	-	7.48b	7.46b	6.12b	10.02	8.50	7.39	6.56	5.90	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	13.83	11.20	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	13.82	11.43	9.54	8.11	-	-	-	-	-
5.00	23.21b	21.10b	16.44	13.72	11.47	9.60	8.19	7.08	-	-	-	-
4.00	-	20.32b	16.41	13.64	11.38	9.56	8.17	7.07	6.21	-	-	-
3.00	-	-	15.76	13.40	11.10	9.42	8.08	7.02	6.16	5.47	-	-
2.00	-	-	-	12.50	10.77	9.18	7.94	6.92	6.09	5.43	-	-
1.00	-	-	15.17b	12.56	10.51	8.97	7.75	6.78	6.01	5.38	-	-
0.00	-	-	15.59	12.39	10.33	8.83	7.63	6.67	5.93	5.34	-	-
-1.00	-	20.68	15.43	12.33	10.23	8.69	7.51	6.62	5.92	-	-	-
-2.00	21.37b	20.75	15.46	12.28	10.14	8.62	7.49	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 145° - +/- 155°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3jLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 47 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 155° - +/- 165°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3kUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.01	9.79	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	10.91	9.72	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.14b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.12	9.80	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.04	9.76	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	10.95	9.70	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 155° - +/- 165°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3kLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 165° - +/- 180°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3IUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 50 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 165° - +/- 180°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 50-100mm DOWN CANT	Auxiliary Pin - 3Lx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4aUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4aLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5° - +/- 15°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4bUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	13.55	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	11.29	9.64	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.12	9.55	8.33	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.06	9.40	8.22	7.29	-	-	-
3.00	-	-	14.50b	14.50b	12.29	10.41	9.31	8.07	7.20	6.46	-	-
2.00	-	-	-	12.61b	12.14	10.29	9.17	7.97	7.10	6.40	-	-
1.00	-	-	13.33b	10.22b	10.86b	10.27	9.03	7.88	7.03	6.35	-	-
0.00	-	-	6.04b	7.12b	8.42b	10.39	8.92	7.83	7.01	6.34	-	-
-1.00	-	7.48b	7.46b	6.12b	12.28	10.32	8.90	7.85	7.02	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	13.55	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	13.61	11.42	9.65	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	15.80	13.52	11.48	9.74	8.39	-	-	-	-
4.00	-	20.32b	19.57b	15.82	13.45	11.43	9.72	8.38	7.34	-	-	-
3.00	-	-	19.30b	15.84b	13.44	11.29	9.62	8.33	7.30	6.47	-	-
2.00	-	-	-	15.50	13.08	11.03	9.48	8.23	7.22	6.43	-	-
1.00	-	-	15.17b	15.56	12.80	10.81	9.28	8.08	7.14	6.37	-	-
0.00	-	-	17.50b	15.37	12.61	10.66	9.15	7.97	7.06	6.34	-	-
-1.00	-	25.20b	19.64	15.31	12.51	10.52	9.03	7.91	7.04	-	-	-
-2.00	21.37b	22.09b	19.16b	15.25	12.41	10.44	9.01	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 54 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 5° - +/- 15°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4bLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	13.55	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	11.29	9.64	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.12	9.55	8.33	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.06	9.4	8.22	7.29	-	-	-
3.00	-	-	14.50b	14.50b	12.29	10.41	9.31	8.07	7.2	6.46	-	-
2.00	-	-	-	12.61b	12.14	10.29	9.17	7.97	7.1	6.4	-	-
1.00	-	-	13.33b	10.22b	10.86b	10.27	9.03	7.88	7.03	6.35	-	-
0.00	-	-	6.04b	7.12b	8.42b	10.39	8.92	7.83	7.01	6.34	-	-
-1.00	-	7.48b	7.46b	6.12b	12.28	10.32	8.9	7.85	7.02	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	13.55	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	13.61	11.42	9.65	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	15.8	13.52	11.48	9.74	8.39	-	-	-	-
4.00	-	20.32b	19.57b	15.82	13.45	11.43	9.72	8.38	7.34	-	-	-
3.00	-	-	19.30b	15.84b	13.44	11.29	9.62	8.33	7.3	6.47	-	-
2.00	-	-	-	15.5	13.08	11.03	9.48	8.23	7.22	6.43	-	-
1.00	-	-	15.17b	15.56	12.8	10.81	9.28	8.08	7.14	6.37	-	-
0.00	-	-	17.50b	15.37	12.61	10.66	9.15	7.97	7.06	6.34	-	-
-1.00	-	25.20b	19.64	15.31	12.51	10.52	9.03	7.91	7.04	-	-	-
-2.00	21.37b	22.09b	19.16b	15.25	12.41	10.44	9.01	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 55 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 15° - +/- 25°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4cUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	13.07	10.41	8.57	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	10.31	8.53	7.24	6.23	-	-	-	-	-
5.00	20.93b	15.57	11.86	9.53	8.47	7.09	6.15	5.41	-	-	-	-
4.00	-	14.80	11.34	9.17	7.70	7.03	6.01	5.30	4.73	-	-	-
3.00	-	-	10.87	8.85	7.46	6.44	5.93	5.17	4.64	4.18	-	-
2.00	-	-	-	8.69	7.32	6.34	5.80	5.07	4.55	4.12	-	-
1.00	-	-	11.29	8.73	7.33	6.32	5.68	4.99	4.49	4.08	-	-
0.00	-	-	6.04b	7.12b	7.43	6.43	5.58	4.95	4.46	4.07	-	-
-1.00	-	7.48b	7.46b	6.12b	7.45	6.37	5.56	4.96	4.48	-	-	-
-2.00	18.79b	14.56	11.10	8.94	7.47	6.41	5.63	5.03	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.41b	13.29	10.51	8.57	-	-	-	-	-	-	-
6.00	20.41a	16.31b	13.35	10.72	8.78	7.35	6.25	-	-	-	-	-
5.00	23.21b	16.22	13.24	10.77	8.84	7.41	6.33	5.46	-	-	-	-
4.00	-	15.80	13.09	10.56	8.74	7.37	6.31	5.45	4.78	-	-	-
3.00	-	-	11.50	10.12	8.47	7.24	6.22	5.41	4.73	4.19	-	-
2.00	-	-	-	9.28	8.16	7.01	6.09	5.31	4.66	4.15	-	-
1.00	-	-	11.36	9.33	7.91	6.81	5.91	5.17	4.59	4.10	-	-
0.00	-	-	11.37	9.17	7.74	6.67	5.79	5.07	4.51	4.07	-	-
-1.00	-	14.58	11.38	9.11	7.65	6.54	5.68	5.02	4.50	-	-	-
-2.00	20.91	14.65	11.23	9.07	7.56	6.48	5.66	5.04	-	-	-	-
-3.00	12.50b	13.73b	11.29	9.11	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 15° - +/- 25°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4cLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 57 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 25° - +/- 35°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4dUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	17.03	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	12.36	9.55	7.68	6.34	-	-	-	-	-	-	-
6.00	15.8	12.49	9.52	7.59	6.31	5.37	4.62	-	-	-	-	-
5.00	15.05	10.85	8.43	6.86	6.25	5.22	4.55	3.99	-	-	-	-
4.00	-	10.15	7.94	6.52	5.52	5.17	4.41	3.89	3.47	-	-	-
3.00	-	-	7.51	6.21	5.29	4.61	4.33	3.76	3.38	3.05	-	-
2.00	-	-	-	6.06	5.17	4.51	4.21	3.67	3.30	2.99	-	-
1.00	-	-	7.91	6.11	5.17	4.49	4.09	3.59	3.24	2.95	-	-
0.00	-	-	6.04b	6.26	5.27	4.60	4.00	3.55	3.21	2.94	-	-
-1.00	-	7.48b	7.46b	6.12b	5.28	4.54	3.98	3.56	3.23	-	-	-
-2.00	13.64	9.93	7.73	6.30	5.31	4.58	4.04	3.63	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.43	4.73	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	17.05	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	12.68	9.75	7.78	6.34	-	-	-	-	-	-	-
6.00	15.87	12.60	9.89	7.96	6.55	5.48	4.64	-	-	-	-	-
5.00	16.14	11.43	9.80	8.02	6.60	5.53	4.71	4.04	-	-	-	-
4.00	-	11.05	9.56	7.81	6.51	5.49	4.69	4.03	3.52	-	-	-
3.00	-	-	8.09	7.40	6.26	5.37	4.61	3.99	3.47	3.06	-	-
2.00	-	-	-	6.61	5.95	5.15	4.48	3.90	3.40	3.02	-	-
1.00	-	-	7.97	6.67	5.72	4.96	4.31	3.77	3.33	2.97	-	-
0.00	-	-	7.97	6.51	5.56	4.83	4.19	3.67	3.26	2.94	-	-
-1.00	-	10.11	8.00	6.46	5.48	4.70	4.09	3.62	3.25	-	-	-
-2.00	13.75	10.01	7.85	6.42	5.39	4.64	4.07	3.64	-	-	-	-
-3.00	12.50b	10.11	7.90	6.46	5.46	4.73	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 58 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 25° - +/- 35°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4dLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	10.62	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	10.49	9.24	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	11.99	10.31	9.13	8.16	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	11.82	10.19	9.02	8.08	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	11.66	10.09	8.94	8.03	-	-
0.00	-	-	6.04b	7.12b	8.42b	13.59	11.53	10.03	8.91	8.01	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.39	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.35	10.69	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	12.29	10.68	9.30	-	-	-
3.00	-	-	19.30b	18.80b	16.74	14.09b	12.28	10.62	9.25	8.17	-	-
2.00	-	-	-	19.73b	16.60	14.20	12.19	10.50	9.16	8.12	-	-
1.00	-	-	15.17b	19.43b	16.87b	14.09	11.96	10.33	9.06	8.06	-	-
0.00	-	-	17.50b	19.75b	16.74	13.91	11.80	10.19	8.97	8.01	-	-
-1.00	-	25.20b	21.91b	19.14b	16.61	13.74	11.66	10.12	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 35° - +/- 45°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4eUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	14.63	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	10.80	8.41	6.79	5.62	-	-	-	-	-	-	-
6.00	13.47	10.91	8.38	6.70	5.58	4.75	4.09	-	-	-	-	-
5.00	12.76	9.34	7.32	5.99	5.53	4.61	4.02	3.53	-	-	-	-
4.00	-	8.68	6.86	5.66	4.81	4.57	3.89	3.43	3.06	-	-	-
3.00	-	-	6.44	5.36	4.59	4.02	3.81	3.30	2.98	2.68	-	-
2.00	-	-	-	5.22	4.47	3.92	3.69	3.21	2.89	2.62	-	-
1.00	-	-	6.82	5.26	4.48	3.90	3.57	3.13	2.83	2.58	-	-
0.00	-	-	6.04b	5.41	4.57	4.01	3.48	3.09	2.81	2.57	-	-
-1.00	-	7.48b	6.65	5.44	4.59	3.94	3.46	3.11	2.82	-	-	-
-2.00	11.44	8.47	6.65	5.45	4.61	3.99	3.52	3.18	-	-	-	-
-3.00	11.25b	8.60	6.77	5.57	4.73	4.13	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	14.64	-	-	-	-	-	-	-	-	-	-	-
7.00	15.01	11.10	8.60	6.88	5.62	-	-	-	-	-	-	-
6.00	13.54	11.02	8.73	7.06	5.82	4.86	4.11	-	-	-	-	-
5.00	13.79	9.91	8.65	7.12	5.87	4.92	4.18	3.58	-	-	-	-
4.00	-	9.54	8.42	6.92	5.78	4.88	4.16	3.57	3.11	-	-	-
3.00	-	-	7.00	6.52	5.53	4.76	4.08	3.53	3.06	2.69	-	-
2.00	-	-	-	5.76	5.24	4.54	3.96	3.44	3.00	2.65	-	-
1.00	-	-	6.88	5.80	5.01	4.36	3.79	3.31	2.93	2.60	-	-
0.00	-	-	6.89	5.66	4.86	4.23	3.67	3.21	2.85	2.57	-	-
-1.00	-	8.72b	6.91	5.60	4.77	4.11	3.57	3.16	2.84	-	-	-
-2.00	11.54	8.54	6.76	5.56	4.69	4.05	3.55	3.18	-	-	-	-
-3.00	11.69	8.64	6.82	5.60	4.76	4.13	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 60 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 35° - +/- 45°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4eLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	12.3	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	10.24	8.73	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	10.06	8.64	7.53	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.22	9.99	8.47	7.40	6.56	-	-	-
3.00	-	-	14.50b	13.28	10.92	9.28	8.37	7.24	6.46	5.79	-	-
2.00	-	-	-	12.61b	10.76	9.15	8.21	7.13	6.35	5.72	-	-
1.00	-	-	13.33b	10.22b	10.77	9.13	8.07	7.03	6.28	5.67	-	-
0.00	-	-	6.04b	7.12b	8.42b	9.26	7.95	6.98	6.25	5.66	-	-
-1.00	-	7.48b	7.46b	6.12b	10.91	9.18	7.93	6.99	6.27	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.27b	12.30	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.20b	12.51b	10.38	8.75	-	-	-	-	-
5.00	23.21b	21.10b	18.59	14.31b	12.45b	10.45	8.84	7.59	-	-	-	-
4.00	-	20.32b	18.55	14.42b	12.41b	10.40	8.82	7.58	6.62	-	-	-
3.00	-	-	17.76	14.89	12.18	10.24	8.72	7.53	6.57	5.80	-	-
2.00	-	-	-	13.83	11.79	9.96	8.55	7.41	6.48	5.76	-	-
1.00	-	-	15.17b	13.90	11.49	9.72	8.34	7.25	6.39	5.70	-	-
0.00	-	-	17.50b	13.69	11.28	9.55	8.20	7.13	6.31	5.66	-	-
-1.00	-	24.03	17.37	13.62	11.16	9.40	8.06	7.06	6.29	-	-	-
-2.00	21.37b	22.09b	17.41	13.56	11.05	9.32	8.04	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 45° - +/- 65°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4fux - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	12.75	-	-	-	-	-	-	-	-	-	-	-
7.00	12.85	9.54	7.49	6.07	5.03	-	-	-	-	-	-	-
6.00	11.66	9.66	7.46	5.98	4.99	4.26	3.67	-	-	-	-	-
5.00	10.99	8.16	6.44	5.29	4.95	4.12	3.60	3.16	-	-	-	-
4.00	-	7.52	5.99	4.97	4.25	4.07	3.46	3.06	2.73	-	-	-
3.00	-	-	5.59	4.68	4.03	3.54	3.39	2.93	2.64	2.38	-	-
2.00	-	-	-	4.54	3.91	3.44	3.27	2.84	2.56	2.32	-	-
1.00	-	-	5.96	4.59	3.92	3.43	3.16	2.77	2.50	2.28	-	-
0.00	-	-	5.84	4.73	4.01	3.53	3.07	2.73	2.48	2.27	-	-
-1.00	-	7.31	5.79	4.76	4.02	3.47	3.05	2.74	2.50	-	-	-
-2.00	9.74	7.31	5.79	4.77	4.04	3.51	3.11	2.81	-	-	-	-
-3.00	9.86	7.44	5.91	4.88	4.16	3.65	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	12.76	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11	9.84	7.68	6.16	5.03	-	-	-	-	-	-	-
6.00	11.72	9.76	7.80	6.34	5.23	4.37	3.68	-	-	-	-	-
5.00	11.96	8.69	7.72	6.39	5.28	4.42	3.75	3.21	-	-	-	-
4.00	-	8.34	7.50	6.20	5.18	4.38	3.74	3.20	2.77	-	-	-
3.00	-	-	6.13	5.81	4.95	4.26	3.66	3.16	2.73	2.39	-	-
2.00	-	-	-	5.07	4.66	4.05	3.53	3.07	2.66	2.35	-	-
1.00	-	-	6.02	5.11	4.44	3.87	3.37	2.94	2.59	2.31	-	-
0.00	-	-	6.02	4.97	4.29	3.75	3.26	2.84	2.52	2.27	-	-
-1.00	-	7.60	6.04	4.92	4.21	3.63	3.15	2.79	2.51	-	-	-
-2.00	9.83	7.39	5.90	4.88	4.13	3.57	3.14	2.82	-	-	-	-
-3.00	9.97	7.48	5.95	4.92	4.19	3.65	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 62 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 45° - +/- 65°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4fLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	11.33	9.28	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	11.22	9.24	7.81	6.71	-	-	-	-	-
5.00	20.93b	17.14	12.54b	10.34	9.18	7.64	6.62	5.81	-	-	-	-
4.00	-	16.26	12.34	9.94	8.30	7.59	6.47	5.68	5.07	-	-	-
3.00	-	-	11.81	9.56	8.03	6.92	6.38	5.54	4.97	4.47	-	-
2.00	-	-	-	9.39	7.89	6.81	6.23	5.43	4.87	4.40	-	-
1.00	-	-	12.30	9.44	7.89	6.79	6.09	5.34	4.80	4.36	-	-
0.00	-	-	6.04b	7.12b	8.00	6.91	5.98	5.29	4.77	4.34	-	-
-1.00	-	7.48b	7.46b	6.12b	8.02	6.84	5.96	5.30	4.79	-	-	-
-2.00	18.79b	15.89b	12.08	9.67	8.05	6.89	6.03	5.39	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	14.55	11.45	9.28	-	-	-	-	-	-	-
6.00	20.41a	16.31b	14.49	11.68	9.53	7.94	6.73	-	-	-	-	-
5.00	23.21b	17.88	14.35	11.65	9.59	8.01	6.82	5.86	-	-	-	-
4.00	-	17.40	14.25	11.50	9.48	7.96	6.79	5.85	5.12	-	-	-
3.00	-	-	12.53	11.00	9.18	7.82	6.70	5.81	5.07	4.48	-	-
2.00	-	-	-	10.05	8.82	7.56	6.55	5.70	4.99	4.44	-	-
1.00	-	-	12.38	10.11	8.55	7.34	6.35	5.55	4.91	4.38	-	-
0.00	-	-	12.38	9.93	8.36	7.18	6.21	5.43	4.82	4.34	-	-
-1.00	-	16.00	12.19	9.86	8.25	7.04	6.09	5.37	4.81	-	-	-
-2.00	21.37b	16.08	12.22	9.81	8.15	6.96	6.07	5.40	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 65° - +/- 115°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4gUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	12.06	-	-	-	-	-	-	-	-	-	-	-
7.00	12.16	9.06	7.11	5.77	4.78	-	-	-	-	-	-	-
6.00	10.99	9.17	7.09	5.68	4.74	4.04	3.47	-	-	-	-	-
5.00	10.33	7.68	6.08	5.00	4.69	3.90	3.40	2.99	-	-	-	-
4.00	-	7.05	5.63	4.68	4.00	3.86	3.27	2.89	2.57	-	-	-
3.00	-	-	5.23	4.39	3.78	3.32	3.20	2.76	2.49	2.24	-	-
2.00	-	-	-	4.25	3.66	3.23	3.08	2.67	2.41	2.19	-	-
1.00	-	-	5.59	4.29	3.67	3.21	2.97	2.60	2.35	2.15	-	-
0.00	-	-	5.48	4.44	3.76	3.31	2.88	2.56	2.33	2.13	-	-
-1.00	-	6.85	5.43	4.47	3.77	3.25	2.86	2.57	2.34	-	-	-
-2.00	9.10	6.85	5.43	4.47	3.80	3.30	2.92	2.64	-	-	-	-
-3.00	9.21	6.98	5.55	4.59	3.91	3.44	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	12.08	-	-	-	-	-	-	-	-	-	-	-
7.00	12.42	9.35	7.30	5.86	4.78	-	-	-	-	-	-	-
6.00	11.05	9.27	7.42	6.03	4.97	4.15	3.49	-	-	-	-	-
5.00	11.28	8.22	7.35	6.08	5.02	4.20	3.56	3.03	-	-	-	-
4.00	-	7.87	7.13	5.89	4.93	4.16	3.54	3.03	2.62	-	-	-
3.00	-	-	5.77	5.51	4.69	4.04	3.46	2.99	2.58	2.25	-	-
2.00	-	-	-	4.77	4.41	3.83	3.34	2.89	2.51	2.21	-	-
1.00	-	-	5.65	4.82	4.19	3.66	3.18	2.77	2.44	2.17	-	-
0.00	-	-	5.66	4.67	4.04	3.53	3.07	2.67	2.37	2.13	-	-
-1.00	-	7.16	5.68	4.62	3.96	3.41	2.96	2.62	2.36	-	-	-
-2.00	9.19	6.92	5.54	4.58	3.88	3.35	2.95	2.65	-	-	-	-
-3.00	9.32	7.02	5.59	4.62	3.94	3.44	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 64 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 65° - +/- 115°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4gLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	13.92	11.08	9.10	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	10.95	9.04	7.66	6.57	-	-	-	-	-
5.00	20.93b	16.18	12.36	9.95	8.98	7.47	6.48	5.67	-	-	-	-
4.00	-	15.20	11.69	9.49	7.97	7.40	6.29	5.54	4.93	-	-	-
3.00	-	-	11.09	9.07	7.67	6.64	6.19	5.36	4.82	4.33	-	-
2.00	-	-	-	8.86	7.50	6.50	6.02	5.24	4.70	4.24	-	-
1.00	-	-	11.64	8.93	7.50	6.48	5.86	5.13	4.62	4.18	-	-
0.00	-	-	6.04b	7.12b	7.63	6.63	5.74	5.08	4.59	4.17	-	-
-1.00	-	7.48b	7.46b	6.12b	7.66	6.54	5.71	5.10	4.61	-	-	-
-2.00	18.79b	14.88	11.39	9.19	7.69	6.60	5.79	5.19	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	14.20	11.21	9.10	-	-	-	-	-	-	-
6.00	20.41a	16.31b	14.16	11.47	9.38	7.81	6.60	-	-	-	-	-
5.00	23.21b	17.01	14.00	11.47	9.44	7.88	6.70	5.74	-	-	-	-
4.00	-	16.46	13.89	11.27	9.32	7.83	6.67	5.73	4.99	-	-	-
3.00	-	-	11.90	10.70	8.98	7.67	6.56	5.67	4.94	4.34	-	-
2.00	-	-	-	9.62	8.57	7.36	6.39	5.55	4.84	4.29	-	-
1.00	-	-	11.73	9.69	8.25	7.11	6.16	5.37	4.75	4.21	-	-
0.00	-	-	11.73	9.48	8.04	6.93	6.00	5.24	4.65	4.17	-	-
-1.00	-	14.91	11.75	9.41	7.92	6.77	5.86	5.17	4.63	-	-	-
-2.00	21.18	15.00	11.56	9.35	7.80	6.68	5.84	5.20	-	-	-	-
-3.00	12.50b	13.73b	11.63	9.40	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 65 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 115° - +/- 135°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4hUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	13.89	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	10.29	8.03	6.49	5.37	-	-	-	-	-	-	-
6.00	12.76	10.41	8.01	6.40	5.34	4.55	3.91	-	-	-	-	-
5.00	12.06	8.86	6.96	5.70	5.29	4.41	3.84	3.37	-	-	-	-
4.00	-	8.21	6.50	5.38	4.57	4.36	3.71	3.27	2.92	-	-	-
3.00	-	-	6.09	5.08	4.36	3.81	3.63	3.14	2.83	2.55	-	-
2.00	-	-	-	4.94	4.24	3.72	3.51	3.05	2.75	2.49	-	-
1.00	-	-	6.46	4.98	4.24	3.70	3.40	2.98	2.69	2.45	-	-
0.00	-	-	6.04b	5.13	4.33	3.80	3.30	2.94	2.67	2.44	-	-
-1.00	-	7.48b	6.29	5.16	4.35	3.74	3.29	2.95	2.68	-	-	-
-2.00	10.76	8.00	6.29	5.17	4.37	3.79	3.35	3.02	-	-	-	-
-3.00	10.88	8.13	6.41	5.28	4.49	3.93	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	13.9	-	-	-	-	-	-	-	-	-	-	-
7.00	14.26	10.60	8.23	6.58	5.37	-	-	-	-	-	-	-
6.00	12.82	10.51	8.35	6.77	5.57	4.65	3.93	-	-	-	-	-
5.00	13.06	9.42	8.27	6.82	5.62	4.71	4.00	3.42	-	-	-	-
4.00	-	9.05	8.05	6.62	5.53	4.67	3.98	3.41	2.96	-	-	-
3.00	-	-	6.64	6.22	5.29	4.55	3.90	3.37	2.92	2.56	-	-
2.00	-	-	-	5.47	5.00	4.33	3.78	3.28	2.85	2.52	-	-
1.00	-	-	6.53	5.52	4.77	4.15	3.61	3.15	2.78	2.48	-	-
0.00	-	-	6.53	5.37	4.62	4.02	3.50	3.05	2.71	2.44	-	-
-1.00	-	8.26	6.55	5.32	4.53	3.90	3.39	3.00	2.70	-	-	-
-2.00	10.86	8.07	6.41	5.28	4.45	3.84	3.38	3.03	-	-	-	-
-3.00	11.00	8.17	6.46	5.31	4.52	3.93	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 66 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 115° - +/- 135°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4hLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	12.12	9.94	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.00	9.89	8.38	7.21	-	-	-	-	-
5.00	20.93b	18.40	12.54b	11.12b	9.84	8.21	7.12	6.25	-	-	-	-
4.00	-	16.90b	13.31	10.72	8.96	8.15	6.96	6.13	5.47	-	-	-
3.00	-	-	12.78	10.35	8.69	7.49	6.87	5.98	5.37	4.84	-	-
2.00	-	-	-	10.17	8.54	7.37	6.73	5.87	5.27	4.77	-	-
1.00	-	-	13.26	10.22	8.55	7.36	6.59	5.78	5.20	4.72	-	-
0.00	-	-	6.04b	7.12b	8.42b	7.48	6.48	5.74	5.17	4.71	-	-
-1.00	-	7.48b	7.46b	6.12b	8.68	7.40	6.46	5.75	5.19	-	-	-
-2.00	18.79b	15.89b	13.04	10.45	8.49b	7.46	6.53	5.83	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	15.42	12.23	9.94	-	-	-	-	-	-	-
6.00	20.41a	16.31b	15.31	12.41	10.19	8.51	7.23	-	-	-	-	-
5.00	23.21b	19.14	14.37b	12.34	10.25	8.58	7.31	6.31	-	-	-	-
4.00	-	18.66	14.78b	12.28	10.13	8.53	7.29	6.30	5.52	-	-	-
3.00	-	-	13.49	11.78	9.84	8.39	7.20	6.25	5.47	4.85	-	-
2.00	-	-	-	10.83	9.48	8.12	7.04	6.14	5.39	4.80	-	-
1.00	-	-	13.34	10.89	9.20	7.90	6.85	5.99	5.31	4.75	-	-
0.00	-	-	13.34	10.71	9.01	7.75	6.71	5.87	5.22	4.71	-	-
-1.00	-	17.26	13.15	10.65	8.91	7.60	6.59	5.81	5.21	-	-	-
-2.00	21.37b	17.34	13.19	10.60	8.81	7.53	6.57	5.84	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 135° - +/- 145°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4iUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	19.8	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	14.11	10.79	8.64	7.11	-	-	-	-	-	-	-
6.00	18.49	14.24	10.76	8.54	7.08	6.01	5.17	-	-	-	-	-
5.00	17.68	12.52	9.63	7.79	7.02	5.86	5.10	4.47	-	-	-	-
4.00	-	11.79	9.13	7.44	6.27	5.81	4.96	4.37	3.90	-	-	-
3.00	-	-	8.68	7.12	6.03	5.24	4.88	4.24	3.81	3.43	-	-
2.00	-	-	-	6.97	5.91	5.13	4.75	4.14	3.72	3.37	-	-
1.00	-	-	9.09	7.01	5.91	5.12	4.63	4.06	3.66	3.33	-	-
0.00	-	-	6.04b	7.12b	6.01	5.23	4.54	4.02	3.64	3.32	-	-
-1.00	-	7.48b	7.46b	6.12b	6.03	5.16	4.52	4.03	3.65	-	-	-
-2.00	16.18	11.55	8.90	7.21	6.05	5.21	4.58	4.11	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	19.82	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	14.45	11.01	8.73	7.11	-	-	-	-	-	-	-
6.00	18.57	14.35	11.14	8.93	7.33	6.12	5.19	-	-	-	-	-
5.00	18.85	13.13	11.06	8.98	7.38	6.18	5.26	4.52	-	-	-	-
4.00	-	12.73	10.81	8.77	7.28	6.14	5.25	4.52	3.94	-	-	-
3.00	-	-	9.28	8.35	7.02	6.01	5.16	4.47	3.90	3.44	-	-
2.00	-	-	-	7.54	6.72	5.79	5.03	4.38	3.83	3.40	-	-
1.00	-	-	9.15	7.59	6.48	5.59	4.86	4.25	3.76	3.35	-	-
0.00	-	-	9.16	7.43	6.31	5.46	4.74	4.14	3.68	3.32	-	-
-1.00	-	11.57	9.18	7.38	6.22	5.33	4.63	4.09	3.67	-	-	-
-2.00	16.29	11.64	9.02	7.33	6.14	5.27	4.61	4.11	-	-	-	-
-3.00	12.50b	11.74	9.08	7.37	6.21	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 68 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 135° - +/- 145°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4iLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	12.7	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	10.58	9.02	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	10.40	8.93	7.79	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.62	10.33	8.76	7.66	6.80	-	-	-
3.00	-	-	14.50b	13.77	11.32	9.62	8.67	7.50	6.69	6.01	-	-
2.00	-	-	-	12.61b	11.16	9.49	8.51	7.39	6.59	5.93	-	-
1.00	-	-	13.33b	10.22b	10.86b	9.47	8.36	7.29	6.51	5.88	-	-
0.00	-	-	6.04b	7.12b	8.42b	9.60	8.24	7.24	6.48	5.87	-	-
-1.00	-	7.48b	7.46b	6.12b	11.31	9.52	8.22	7.26	6.50	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	12.70	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	12.86	10.72	9.04	-	-	-	-	-
5.00	23.21b	21.10b	19.21	14.64	12.79b	10.79	9.14	7.85	-	-	-	-
4.00	-	20.32b	19.17	14.66	12.74b	10.74	9.12	7.84	6.85	-	-	-
3.00	-	-	18.38	15.33b	12.58	10.58	9.01	7.79	6.80	6.01	-	-
2.00	-	-	-	14.31	12.19	10.30	8.85	7.67	6.72	5.97	-	-
1.00	-	-	15.17b	14.38	11.89	10.06	8.64	7.51	6.63	5.91	-	-
0.00	-	-	17.50b	14.18	11.68	9.89	8.49	7.39	6.54	5.87	-	-
-1.00	-	24.88	17.99	14.10	11.56	9.74	8.36	7.32	6.52	-	-	-
-2.00	21.37b	22.09b	18.03	14.05	11.45	9.66	8.34	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 69 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 145° - +/- 155°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4jUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILLIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	12.27	9.99	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	9.95	8.38	7.18	-	-	-	-	-
5.00	20.93b	19.37	12.54b	11.12b	9.89	8.22	7.10	6.22	-	-	-	-
4.00	-	16.90b	13.76	10.94	9.07	8.17	6.96	6.10	5.43	-	-	-
3.00	-	-	13.25	10.59	8.81	7.55	6.87	5.97	5.34	4.80	-	-
2.00	-	-	-	10.42	8.68	7.44	6.74	5.87	5.25	4.74	-	-
1.00	-	-	13.33b	10.22b	8.68	7.42	6.61	5.78	5.18	4.70	-	-
0.00	-	-	6.04b	7.12b	8.42b	7.54	6.51	5.74	5.16	4.68	-	-
-1.00	-	7.48b	7.46b	6.12b	8.81	7.47	6.49	5.75	5.18	-	-	-
-2.00	18.79b	15.89b	13.50b	10.69	8.49b	7.49b	6.55	5.83	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	15.76	12.38	9.99	-	-	-	-	-	-	-
6.00	20.41a	16.31b	15.66	12.53b	10.22	8.50	7.20	-	-	-	-	-
5.00	23.21b	20.10	14.63	12.46b	10.28	8.56	7.28	6.27	-	-	-	-
4.00	-	19.62	14.78b	12.40b	10.17	8.52	7.26	6.26	5.48	-	-	-
3.00	-	-	13.94	11.95	9.89	8.39	7.17	6.22	5.44	4.81	-	-
2.00	-	-	-	11.05	9.56	8.14	7.03	6.11	5.36	4.77	-	-
1.00	-	-	13.80	11.11	9.30	7.93	6.85	5.97	5.28	4.72	-	-
0.00	-	-	13.80	10.94	9.12	7.79	6.72	5.87	5.21	4.68	-	-
-1.00	-	18.26	13.62	10.87	9.02	7.65	6.60	5.81	5.19	-	-	-
-2.00	21.37b	18.33	13.65	10.83	8.93	7.59	6.59	5.84	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 145° - +/- 155°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	75 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4jLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	10.18	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.37	10.07	9.00	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	11.24	9.95	8.92	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	12.86	11.14	9.87	8.87	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.70	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	11.66	10.24	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.08	13.19	11.65	10.18	9.01	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.20	11.55	10.09	8.96	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.16	11.38	10.00	8.90	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.00	11.24	9.90	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 155° - +/- 165°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4kUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.23	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.09	9.71	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	10.93	9.60	8.53	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.66	10.81	9.50	8.45	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	12.50	10.71	9.42	8.40	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.39	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.29	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	12.96	11.28	9.77	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	14.87	12.92	11.23	9.71	8.54	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	12.95	11.11	9.63	8.49	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.09	12.79	10.94	9.54	8.43	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.09	12.64	10.81	9.45	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 72 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 155° - +/- 165°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4kLx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES
 SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower).
 Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
 Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 165° - +/- 180°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Unlocked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	67 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4IUx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 74 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Rated Lift Capacity Chart

Machine Type	RAIL-ABILITY RA400 RAIL-MAX	Sector	+/- 165° - +/- 180°
Serial Number	RTEM001, RTEM002, RTEM003	Osc Axle	Locked
Equipment	3.00m + 1.0m + 2.85m	Safety Factor	90 %
System Type	RIS 1530	Date	09/01/2015
Config	RAIL 100-150mm DOWN CANT	Auxiliary Pin - 4Lx - Piggy On	
SEE DUTY 2 CHARTS FOR LIFTING DUTIES UP CANT - AUXILIARY COUNTERWEIGHT FITTED			



Minimum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	22.41b	-	-	-	-	-	-	-	-	-	-	-
7.00	13.11a	15.43b	14.28b	14.25b	14.32b	-	-	-	-	-	-	-
6.00	19.28a	15.34b	12.63b	12.07b	12.15b	12.34b	12.33b	-	-	-	-	-
5.00	20.93b	20.02b	12.54b	11.12b	11.39b	11.60b	11.58b	11.52b	-	-	-	-
4.00	-	16.90b	13.78b	12.40b	11.89b	11.72b	11.56b	11.42b	11.03b	-	-	-
3.00	-	-	14.50b	14.50b	13.52b	12.52b	12.07b	11.63b	11.12b	10.36b	-	-
2.00	-	-	-	12.61b	12.80b	13.06b	12.84b	12.07b	11.14b	10.13b	-	-
1.00	-	-	13.33b	10.22b	10.86b	11.30b	13.47b	11.76b	10.62b	9.58b	-	-
0.00	-	-	6.04b	7.12b	8.42b	14.52b	12.32b	10.57b	9.67b	8.31b	-	-
-1.00	-	7.48b	7.46b	6.12b	14.41b	11.75b	9.48b	8.99b	7.87b	-	-	-
-2.00	18.79b	15.89b	13.50b	11.04b	8.49b	7.49b	7.28b	6.09b	-	-	-	-
-3.00	11.25b	9.15b	7.47b	6.30b	5.45b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

Maximum Loads

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.00	23.28b	-	-	-	-	-	-	-	-	-	-	-
7.00	16.71a	17.72a	16.85b	15.46b	14.32b	-	-	-	-	-	-	-
6.00	20.41a	16.31b	16.01b	15.57b	14.44b	13.36b	12.52b	-	-	-	-	-
5.00	23.21b	21.10b	19.60b	18.60b	14.05b	13.83b	12.74b	11.86b	-	-	-	-
4.00	-	20.32b	19.57b	17.95b	16.68b	13.65b	13.09b	12.12b	11.20b	-	-	-
3.00	-	-	19.30b	18.80b	16.90b	15.09b	13.22b	12.31b	11.27b	10.37b	-	-
2.00	-	-	-	19.73b	17.05b	14.78b	13.52b	12.31b	11.27b	10.27b	-	-
1.00	-	-	15.17b	19.43b	17.08b	15.15b	13.60b	12.36b	11.20b	9.81b	-	-
0.00	-	-	17.50b	19.75b	17.23b	15.28b	13.60b	12.02b	10.43b	8.31b	-	-
-1.00	-	25.20b	21.91b	19.14b	16.67b	14.47b	12.43b	10.52b	8.25b	-	-	-
-2.00	21.37b	22.09b	19.16b	16.29b	13.69b	11.44b	9.13b	6.36b	-	-	-	-
-3.00	12.50b	13.73b	11.79b	9.56b	7.52b	4.84b	-	-	-	-	-	-
-4.00	-	-	-	-	-	-	-	-	-	-	-	-

NOTES	SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). Radius/Height are given in metres. Loads are given in tonnes, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
PAGE 75 of 75	Loads marked 'b' boom, 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).