



Interfleet

Member of the SNC-LAVALIN Group

CERTIFICATE OF ENGINEERING ACCEPTANCE

This certificate is issued in accordance with RIS-1530-PLT Issue 4

NAME OF VEHICLE ACCEPTANCE BODY

Interfleet Technology Ltd

ACCREDITATION CODE

IF

Vehicle Class / Description

911/Rail-Ability/HR42/9A

Vehicle Owner

A P Webb Plant Hire Ltd

Issue Date

12 September, 2014

Expiry Date

15 February, 2020

Vehicle Number(s)

99709_911200-2

First Of Class

Not known.

Authorised by:

Bryan Lowe

Interfleet Technology Ltd

OFFICIAL STAMP

Interfleet

Reason for issue and Scope of Work

Certification of upgraded Terex Schaeff HR42. Serial No. 00342-0289, Fleet No. RTE008.

Originally assessed for compliance to RIS-1530-PLT, Issue 2.

On this certificate:

Prolec PME Rail RCI upgrade only. The vehicle is fitted with an electronic slew and height limiting system through the Prolec PME Rail RCI which has been approved by Network Rail Technical Services, document reference MLD/L046: Approval of MLD024: Rail-Ability / Prolec PME Rail Slew and Height Limiter Terex HR42, against RIS-1530-PLT Issue 4 and Network Rail remit MLD/R003.

Following ITL VAB review, amendments have been made to the "Limitations of Use" on the previous engineering acceptance certificate, to permit operation of the RRV with Adjacent Line Open (ALO) and/or under live Overhead Line Equipment (OLE). Revised/new Limitations whilst others have been re-numbered.

There are no other engineering changes to the RRV.

Reference to up-issued Rail-Ability O&M Manual.

Expiry date conforms to the requirements of RIS-1530-PLT.

Customer Copy

Certificate Number: IF/0493/14

Deviations associated with this certificate

None.

Previous Certificate Number

IF/0452/13 : 99709_911200-2

Maintenance Plan Details

Rail-Ability Routine Maintenance Plan; Terex Schaeff HR42; TSHR424WDRMP001; Issue Number 02;
Dated 06-Aug-2014.

Rail-Ability Operations and Recovery Procedures; Terex Schaeff HR42; SCH001; Issue Number 05;
Dated 12-Feb-2013.

Limitations of Use

Taken from previous Engineering Acceptance Certificate IF/0452/13, amended as in Scope.

1. The vehicle operates on-rail in high-mode only.
2. When in travelling mode, the RRV vehicle is within W6 gauge.
3. Vehicle shall only operate inside possessions.
4. Mirrors must be folded in for travelling.
5. The vehicle shall NOT on or off track, travel or work on live conductor rails.
6. The vehicle shall NOT on or off track if adjacent lines are open to traffic.
7. The vehicle on/off tracking and emergency recovery are detailed in the Rail-Ability Manual, SCH001 Operation & Recovery Procedures. Account shall also be taken of the requirements in Network Rail Standard NR/PLANT/0200.
8. A RRAP or temporary crossing must be used, maximum track cant 100mm.
Alternatively, a risk assessed documented procedure may be used that is specific to the possession.
9. The vehicle shall only be permitted to work ALO with the Prolec PME Rail RCI system active, the Virtual Wall correctly set and the system functionality has been proven correct prior to vehicle use.
ALO working shall only be in accordance with the approved safe system of work (SSoW) for the possession, taking account of the extra gauge exceedance caused by attachments.
10. The Virtual Wall system can only set a limit to work ALO on one side of the vehicle, either to the left or right hand side, depending on the work requirement detailed in the SSoW. The vehicle is not permitted to work with both sides adjacent to open line or lines, at the same time.
11. The vehicle shall NOT on/off-track, travel or work under live OLE, unless the Prolec PME Rail RCI system is active, the Height Limit correctly set and the system functionality been proven correct prior to vehicle use.
Under live OLE, working shall only be in accordance with the safe system of work for the possession, determined and authorised by taking guidance from the requirements of GE/RT8024, and account taken of :-
 - > A maximum PME Rail default height of the boom above the rail of 3.500m.
 - > A minimum OLE wire height of 4.165m.
 - > The earth bonds on the RRV shall have been examined for security and presence, prior to use.
 - > Attachments and their load shall not exceed the height of the top of the boom.
12. Except for the cab, when the RRV is under live OLE access is NOT permitted onto any surfaces higher than 1.4m above rail.
13. When reversing, the RRV shall only proceed at walking speed with the driver utilising ground staff, until the superstructure/boom can be slewed to face the direction of travel.
14. For access/egress, the vehicle may only operate with the door to the cab adjacent to a cess or a line closed to all train movements or the Method Statement safe system of work must take account of adequate safe clearances to adjacent lines.
15. Limitation to ensure stability: See Duty Charts and LOLER Certificate. Prolec Rated Capacity Indicator

- (RCI) shall be operative when the RRV is in use.
16. Movement of boom towards backward stability limit shall only be at moderate/low speed.
 17. Prolec Rated Capacity Indicator system (RCI) shall be in operation when RRV is working, except as in 14.1 & 14.2 Supplementary Information. Permitted to lift and carry in accordance Prolec Rated Capacity Indicator (RCI) system limits.
 18. The RRV shall NOT tow or propel other rail vehicles or trailers.

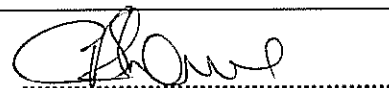
Supplementary Information

Taken from previous Engineering Acceptance Certificate IF/0452/13, amended as in Scope.

1. Manufacturer serial number: OEM Serial No: 00342-0289 Fleet No. RTE008.
2. Gross vehicle weight is 18.5 tonnes.
3. Maximum travelling cant - 200mm.
4. Maximum working cant - 150mm.
5. Maximum on/off track cant - 100mm.
6. Maximum on/off track gradient - 1:25.
7. Maximum working gradient - 1:25.
8. Minimum Curve Radius: 80m.
9. Maximum speeds (travel and working) on rail not to exceed:
 - > 15 mph plain line; > 5mph switches and crossings;
 - > 5mph raised check/guard rails; > 3mph emergency recovery.
10. The vehicle is approved to carry 1 person seated in the driver's cab.
11. When working the RRV boom, dipper and attachments can be out of W6a gauge, dependent on the RCI settings in use.
12. Detail of off-set/adjustable boom configuration:- 2.20m boom, 2.15m artic and 2.00m Dipper.
13. The vehicle may work with a range of attachments through the dipper link pins or quick hitch.
14. The range of attachments may be used with this machine in association with the RCI Duty Charts. Their use in modes 14.1 or 14.2 (below) shall comply with the following as applicable:-
 - > Where specified, and including all lifting accessories, the attachment shall have a current certificate of approval, test and/or thorough examination.
 - > The attachment shall only be used in accordance with the manufacturer's safety and operating instructions, and the safe system of work for the possession.
 - > Use of the attachment shall not involve exceeding the vehicle's rated capacity for lifting. Before switching OFF the RCI, the attachment and its contents (e.g. bucket full of ballast) shall be moved through the planned range of movements to confirm that the working mode is within the vehicle's lifting and stability capacity.
 - > Except for the quick hitch, the attachment should not be connected to the vehicle during on or off tracking, unless safe to do so.
 - > The attachment shall be maintained in accordance with the manufacturer's and/or other approved instructions.
- 14.1 The Prolec Rated Capacity Indicator system (RCI) may be switched OFF in a typically digging mode.
NOTE: Caution must be exercised with a typically digging mode attachment as its use may adversely affect the stability of the RRV when it is working.
- 14.2 The Prolec Rated Capacity Indicator system (RCI) shall be switched ON for lifting mode:
 - > Lifting accessories (LOLER Regulations).
 - > Any attachment that is mechanically fixed or and/or powered from the RRV.
 - > Any such attachment and its use shall only be with the approval of the infrastructure controller.See RIS-1530-PLT Issue 3, clause 3.1.
15. RCI Information:
 - > Fitted with a Prolec Rated Capacity Indicator (RCI);
 - > Model - Prolec PME Rail;
 - > Hardware - 002389-000;
 - > RCI Software I/D - 1.23.23.0;
 - > Duty chart - 3420289 (RTE008) for all load lifting points.> This vehicle has Normal and Tandem Lifting Modes.
> Vehicle is permitted to lift and carry through 360 degree operation.

Authorised by:

Bryan Lowe



16. Prolec PME Rail RCI Information:-
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Sample

RATED LIFT CAPACITY CHART

RIS 1530


Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		

Duty	Config	Sector	Osc Axle	Safety
1a	ROAD	360°		75%

RADIUS

MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.42b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	3.00b	2.86b	3.06b	-	-	-	-
		4.0	-	-	-	-	3.60b	2.95b	2.49b	2.77b	2.74	-	-	-	-
		3.0	-	-	-	4.40b	3.51b	2.90b	2.53b	2.81b	2.69	2.36	-	-	-
		2.0	-	-	5.70b	4.33b	3.47b	2.89b	2.97b	3.03	2.63	2.31	-	-	-
		1.0	3.75a	4.40a	5.10a	4.36b	3.53b	3.70b	3.43	2.95	2.57	2.27	-	-	-
		0.0	2.83r	2.05r	0.35r	4.51a	4.86	3.98	3.36	2.89	2.53	2.25	-	-	-
		-1.0	4.76a	3.97a	4.98a	6.21	4.84	3.95	3.33	2.87	2.52	-	-	-	-
		-2.0	8.53b	8.98a	6.65b	5.57b	4.85b	3.97	3.35	2.90	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1a	ROAD	360°		75%

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.42b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	3.14b	3.09b	3.06b	-	-	-	-
		4.0	-	-	-	-	3.60b	3.35b	3.21b	3.07b	2.74	-	-	-	-
		3.0	-	-	-	5.25b	4.49b	3.96b	3.55b	3.14	2.73	2.36	-	-	-
		2.0	-	-	7.12b	6.38b	5.20	4.28	3.62b	3.14	2.69	2.34	-	-	-
		1.0	10.00	10.00	9.05	6.63	5.21	4.29	3.66	3.08	2.64	2.29	-	-	-
		0.0	10.00	10.00	9.18	6.74	5.33	4.27	3.55	3.00	2.58	2.26	-	-	-
		-1.0	10.00	10.00	9.17	6.63	5.12	4.13	3.45	2.93	2.55	-	-	-	-
		-2.0	10.00	10.00	8.88	6.44	5.01	4.05	3.39	2.90	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED LIFT CAPACITY CHART

RIS 1530

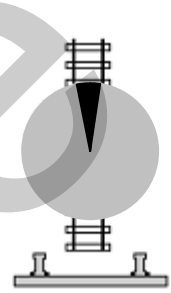
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
2aU	RAIL	+/- 10° Over Front		66%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	-	-	-	-	-
6.0	-	-	-	-	-	3.14b	-	-	-	-	-	-
5.0	-	-	-	-	-	2.99b	2.74b	2.97b	-	-	-	-
4.0	-	-	-	-	3.57b	2.93b	2.48b	2.77b	2.91b	-	-	-
3.0	-	-	5.72a	4.37b	3.49b	2.89b	2.64b	2.89b	2.96b	2.96b	-	-
2.0	-	8.20b	5.69b	4.33b	3.47b	2.91b	3.15b	3.25b	3.20b	3.07b	-	-
1.0	3.52a	3.86a	4.54a	4.39b	3.97b	4.06b	3.93b	3.72b	3.46b	3.14b	-	-
0.0	0.56r	0.54r	3.79a	4.97a	5.93b	5.16b	4.49b	3.91b	3.44b	3.02b	-	-
-1.0	5.75a	5.11a	6.08a	6.45b	5.54b	4.77b	4.16b	3.59b	3.08b	-	-	-
-2.0	7.47b	8.61b	6.70b	5.18b	4.47b	3.88b	3.32b	-	-	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

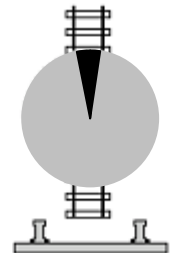


Duty	Config	Sector	Osc Axle	Safety
2aU	RAIL	+/- 10° Over Front		66%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	-	-	-	-	-
6.0	-	-	-	-	-	3.22b	-	-	-	-	-	-
5.0	-	-	-	-	-	3.13b	3.08b	3.01b	-	-	-	-
4.0	-	-	-	-	3.81b	3.53b	3.30b	3.11b	3.00b	-	-	-
3.0	-	-	10.00	5.48b	4.80b	4.15b	3.72b	3.41b	3.14b	2.98b	-	-
2.0	-	9.41b	7.97b	7.01b	5.86b	4.86b	4.19b	3.72b	3.36b	3.09b	-	-
1.0	10.00	10.00	9.47b	7.73b	6.33b	5.25b	4.48b	3.93b	3.49b	3.15b	-	-
0.0	10.00	10.00	10.00	7.97b	6.40b	5.33b	4.57b	4.03b	3.53b	3.02b	-	-
-1.0	10.00	10.00	10.00	8.23b	6.57b	5.41b	4.53b	3.79b	3.08b	-	-	-
-2.0	10.00	10.00	9.04b	6.96b	5.49b	4.42b	3.49b	-	-	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED LIFT CAPACITY CHART

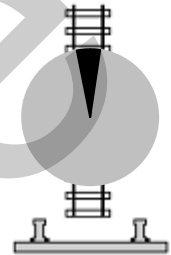
RIS 1530



Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		

Duty	Config	Sector	Osc Axle	Safety
2aL	RAIL	+/- 10° Over Front		90%
				
	0 - 50mm			

RADIUS

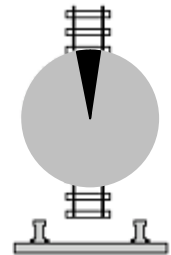
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		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.14b	-	-	-	-	-	-
		5.0	-	-	-	-	-	2.99b	2.74b	2.97b	-	-	-	-	-
		4.0	-	-	-	-	3.57b	2.93b	2.48b	2.77b	2.91b	-	-	-	-
		3.0	-	-	5.72a	4.37b	3.49b	2.89b	2.64b	2.89b	2.96b	2.96b	-	-	-
		2.0	-	8.20b	5.69b	4.33b	3.47b	2.91b	3.15b	3.25b	3.20b	3.07b	-	-	-
		1.0	3.52a	3.86a	4.54a	4.39b	3.97b	4.06b	3.93b	3.72b	3.46b	3.14b	-	-	-
		0.0	0.56r	0.54r	3.79a	4.97a	5.93b	5.16b	4.49b	3.91b	3.44b	3.02b	-	-	-
		-1.0	5.75a	5.11a	6.08a	6.45b	5.54b	4.77b	4.16b	3.59b	3.08b	-	-	-	-
		-2.0	7.47b	8.61b	6.70b	5.18b	4.47b	3.88b	3.32b	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2aL	RAIL	+/- 10° Over Front		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.22b	-	-	-	-	-	-
		5.0	-	-	-	-	-	3.13b	3.08b	3.01b	-	-	-	-	-
		4.0	-	-	-	-	3.81b	3.53b	3.30b	3.11b	3.00b	-	-	-	-
		3.0	-	-	10.00	5.48b	4.80b	4.15b	3.72b	3.41b	3.14b	2.98b	-	-	-
		2.0	-	9.41b	7.97b	7.01b	5.86b	4.86b	4.19b	3.72b	3.36b	3.09b	-	-	-
		1.0	10.00	10.00	9.47b	7.73b	6.33b	5.25b	4.48b	3.93b	3.49b	3.15b	-	-	-
		0.0	10.00	10.00	10.00	7.97b	6.40b	5.33b	4.57b	4.03b	3.53b	3.02b	-	-	-
		-1.0	10.00	10.00	10.00	8.23b	6.57b	5.41b	4.53b	3.79b	3.08b	-	-	-	-
		-2.0	10.00	10.00	9.04b	6.96b	5.49b	4.42b	3.49b	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





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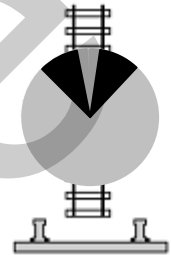
RIS 1530



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2bU	RAIL	+/- 10° - +/- 45° Over Front		66%
				
	0 - 50mm			

RADIUS

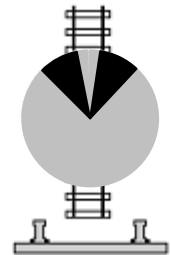
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.14b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	2.99b	2.62	2.16	-	-	-	-
		4.0	-	-	-	-	3.57b	2.93b	2.48b	2.12	1.79	-	-	-	-
		3.0	-	-	5.72a	4.37b	3.49b	2.89b	2.45	2.05	1.75	1.50	-	-	-
		2.0	-	8.20b	5.69b	4.33b	3.47b	2.84	2.34	1.97	1.68	1.46	-	-	-
		1.0	3.52a	3.86a	4.54a	4.39b	3.41	2.72	2.25	1.90	1.63	1.42	-	-	-
		0.0	0.56r	0.54r	3.79a	4.47	3.35	2.66	2.19	1.86	1.60	1.41	-	-	-
		-1.0	5.75a	5.11a	6.08a	4.48	3.34	2.64	2.18	1.85	1.60	-	-	-	-
		-2.0	7.47b	8.61b	6.70b	4.54	3.38	2.68	2.21	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2bU	RAIL	+/- 10° - +/- 45° Over Front		66%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.22b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	3.13b	2.65	2.17	-	-	-	-
		4.0	-	-	-	-	3.81b	3.19	2.63	2.17	1.81	-	-	-	-
		3.0	-	-	7.44	5.21	3.94	3.15	2.62	2.14	1.79	1.51	-	-	-
		2.0	-	9.41b	7.48	5.16	3.91	3.15	2.57	2.09	1.74	1.48	-	-	-
		1.0	10.00	10.00	7.54	5.21	4.00	3.09	2.47	2.01	1.69	1.44	-	-	-
		0.0	10.00	10.00	7.69	5.15	3.75	2.92	2.34	1.96	1.64	1.41	-	-	-
		-1.0	10.00	10.00	7.25	4.86	3.57	2.79	2.26	1.89	1.60	-	-	-	-
		-2.0	10.00	10.00	6.98	4.69	3.47	2.74	2.24	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	4 of 21

RATED LIFT CAPACITY CHART

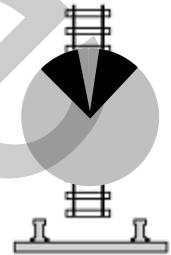
RIS 1530



Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		

Duty	Config	Sector	Osc Axle	Safety
2bL	RAIL	$\pm 10^\circ - \pm 45^\circ$ Over Front		90%
				
	0 - 50mm			

RADIUS

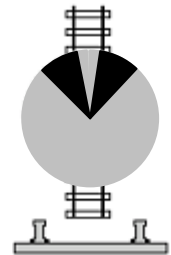
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.14b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	2.99b	2.74b	2.97b	-	-	-	-
		4.0	-	-	-	-	3.57b	2.93b	2.48b	2.77b	2.79	-	-	-	-
		3.0	-	-	5.72a	4.37b	3.49b	2.89b	2.64b	2.89b	2.73	2.35	-	-	-
		2.0	-	8.20b	5.69b	4.33b	3.47b	2.91b	3.15b	3.09	2.65	2.29	-	-	-
		1.0	3.52a	3.86a	4.54a	4.39b	3.97b	4.06b	3.53	3.00	2.59	2.25	-	-	-
		0.0	0.56r	0.54r	3.79a	4.97a	5.00	4.13	3.46	2.95	2.54	2.22	-	-	-
		-1.0	5.75a	5.11a	6.08a	6.22	4.99	4.11	3.44	2.93	2.54	-	-	-	-
		-2.0	7.47b	8.61b	6.70b	5.18b	4.47b	3.88b	3.32b	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2bL	RAIL	$\pm 10^\circ - \pm 45^\circ$ Over Front		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.22b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	3.13b	3.08b	3.01b	-	-	-	-
		4.0	-	-	-	-	3.81b	3.53b	3.30b	3.11b	2.82	-	-	-	-
		3.0	-	-	8.86	5.48b	4.80b	4.15b	3.72b	3.23b	2.80	2.35	-	-	-
		2.0	-	9.41b	7.97b	6.63	5.34	4.46	3.75	3.25b	2.73	2.32	-	-	-
		1.0	10.00	10.00	8.75	6.67	5.37	4.49	3.81	3.15	2.66	2.27	-	-	-
		0.0	10.00	10.00	8.94	6.88	5.43	4.46	3.65	3.08	2.60	2.22	-	-	-
		-1.0	10.00	10.00	8.69	6.60	5.24	4.29	3.55	2.99	2.54	-	-	-	-
		-2.0	10.00	10.00	8.46	6.43	5.13	4.23	3.49b	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	5 of 21

RATED LIFT CAPACITY CHART

RIS 1530

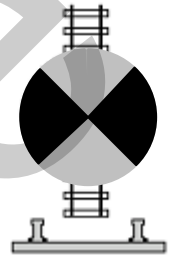
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
2cU	RAIL	$\pm 45^\circ - \pm 135^\circ$		66%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.45	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.44	1.20	1.00	-	-	-	-	
4.0	-	-	-	-	1.67	1.38	1.15	0.97	0.75	-	-	-	
3.0	-	-	1.97	1.89	1.53	1.28	1.08	0.89	0.70	0.53	-	-	
2.0	-	3.09	2.25	1.58	1.37	1.16	1.00	0.80	0.62	0.48	-	-	
1.0	3.52a	2.69	2.01	1.57	1.27	1.08	0.91	0.72	0.57	0.44	-	-	
0.0	0.56r	0.54r	1.91	1.49	1.23	1.04	0.85	0.67	0.53	0.42	-	-	
-1.0	3.70	2.58	1.91	1.50	1.22	1.03	0.84	0.66	0.53	-	-	-	
-2.0	3.46	2.56	1.96	1.53	1.25	1.05	0.87	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

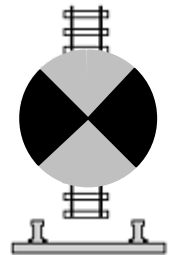


Duty	Config	Sector	Osc Axle	Safety
2cU	RAIL	$\pm 45^\circ - \pm 135^\circ$		66%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.45	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.45	1.22	1.01	-	-	-	-	
4.0	-	-	-	-	1.69	1.42	1.22	1.01	0.77	-	-	-	
3.0	-	-	2.27	1.99	1.65	1.40	1.20	0.99	0.75	0.53	-	-	
2.0	-	3.19	2.44	1.96	1.64	1.41	1.16	0.94	0.69	0.50	-	-	
1.0	4.58	3.22	2.47	2.00	1.66	1.33	1.09	0.85	0.63	0.45	-	-	
0.0	4.78	3.31	2.42	1.88	1.49	1.22	1.00	0.79	0.58	0.42	-	-	
-1.0	3.91	2.82	2.17	1.72	1.37	1.13	0.93	0.71	0.53	-	-	-	
-2.0	3.79	2.68	2.05	1.62	1.31	1.09	0.90	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	6 of 21

RATED LIFT CAPACITY CHART

RIS 1530

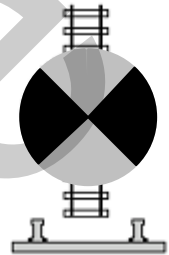
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
2cL	RAIL	+/- 45° - +/- 135°		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	2.27	-	-	-	-	-	-	
5.0	-	-	-	-	-	2.26	1.77	1.40	-	-	-	-	
4.0	-	-	-	-	2.75	2.14	1.70	1.35	1.07	-	-	-	
3.0	-	-	3.67	3.29	2.50	1.97	1.57	1.26	1.01	0.80	-	-	
2.0	-	6.10	4.18	2.74	2.23	1.78	1.44	1.16	0.93	0.75	-	-	
1.0	3.52a	3.86a	3.75	2.71	2.06	1.65	1.33	1.07	0.87	0.70	-	-	
0.0	0.56r	0.54r	3.57	2.59	1.99	1.57	1.26	1.02	0.83	0.68	-	-	
-1.0	5.75a	5.11a	3.57	2.60	1.98	1.55	1.25	1.01	0.83	-	-	-	
-2.0	7.47b	5.18	3.66	2.66	2.02	1.59	1.28	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

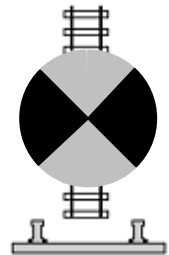


Duty	Config	Sector	Osc Axle	Safety
2cL	RAIL	+/- 45° - +/- 135°		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	2.28	-	-	-	-	-	-	
5.0	-	-	-	-	-	2.27	1.81	1.41	-	-	-	-	
4.0	-	-	-	-	2.78	2.22	1.82	1.41	1.09	-	-	-	
3.0	-	-	4.22	3.46	2.71	2.18	1.78	1.38	1.07	0.81	-	-	
2.0	-	6.27	4.53	3.42	2.69	2.20	1.72	1.31	1.01	0.77	-	-	
1.0	10.00	6.34	4.58	3.48	2.73	2.07	1.59	1.22	0.94	0.72	-	-	
0.0	9.93	6.26	4.47	3.27	2.44	1.88	1.44	1.15	0.88	0.68	-	-	
-1.0	8.76	5.63	4.05	2.98	2.24	1.72	1.35	1.06	0.83	-	-	-	
-2.0	8.53	5.39	3.82	2.81	2.13	1.66	1.31	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	7 of 21

RATED LIFT CAPACITY CHART

RIS 1530

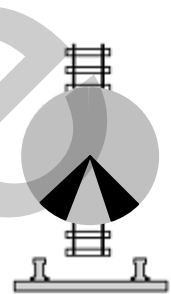
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
2dU	RAIL	+/- 135° - +/- 160° Over Rear		66%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.66	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.65	1.34	1.11	-	-	-	-	
4.0	-	-	-	-	1.95	1.57	1.29	1.08	0.87	-	-	-	
3.0	-	-	2.49	2.28	1.78	1.45	1.21	1.01	0.81	0.61	-	-	
2.0	-	4.24	2.84	1.91	1.59	1.32	1.11	0.93	0.73	0.55	-	-	
1.0	3.52a	3.69	2.54	1.89	1.48	1.23	1.04	0.84	0.66	0.51	-	-	
0.0	0.56r	0.54r	2.42	1.80	1.43	1.18	0.99	0.79	0.62	0.49	-	-	
-1.0	5.75a	3.53	2.42	1.80	1.43	1.17	0.98	0.78	0.62	-	-	-	
-2.0	5.56	3.51	2.48	1.85	1.46	1.19	1.01	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

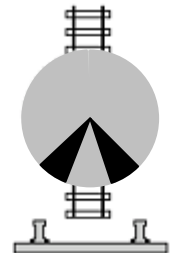


Duty	Config	Sector	Osc Axle	Safety
2dU	RAIL	+/- 135° - +/- 160° Over Rear		66%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.66	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.66	1.37	1.11	-	-	-	-	
4.0	-	-	-	-	1.97	1.62	1.37	1.12	0.89	-	-	-	
3.0	-	-	2.87	2.40	1.92	1.60	1.35	1.09	0.87	0.62	-	-	
2.0	-	4.37	3.09	2.37	1.91	1.61	1.30	1.05	0.80	0.58	-	-	
1.0	7.37	4.43	3.13	2.41	1.94	1.52	1.22	0.98	0.74	0.53	-	-	
0.0	7.27	4.38	3.07	2.27	1.74	1.39	1.12	0.92	0.67	0.49	-	-	
-1.0	6.29	3.87	2.75	2.07	1.60	1.28	1.05	0.83	0.62	-	-	-	
-2.0	6.09	3.68	2.59	1.95	1.53	1.24	1.03	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	8 of 21

RATED LIFT CAPACITY CHART

RIS 1530

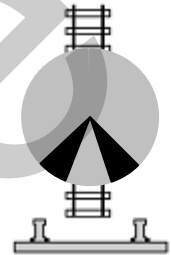
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
2dL	RAIL	+/- 135° - +/- 160° Over Rear		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	2.54	-	-	-	-	-	-	
5.0	-	-	-	-	-	2.52	2.03	1.64	-	-	-	-	
4.0	-	-	-	-	3.03	2.42	1.96	1.60	1.30	-	-	-	
3.0	-	-	3.99	3.58	2.79	2.25	1.84	1.51	1.25	1.02	-	-	
2.0	-	6.19	4.45	3.07	2.54	2.07	1.71	1.41	1.17	0.97	-	-	
1.0	3.52a	3.86a	4.06	3.05	2.38	1.94	1.61	1.33	1.11	0.93	-	-	
0.0	0.56r	0.54r	3.79a	2.93	2.31	1.88	1.54	1.28	1.07	0.91	-	-	
-1.0	5.75a	5.11a	3.90	2.94	2.31	1.86	1.53	1.27	1.07	-	-	-	
-2.0	7.47b	5.38	3.98	2.99	2.35	1.90	1.56	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

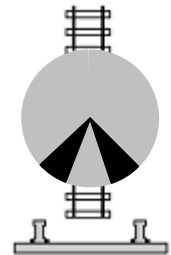


Duty	Config	Sector	Osc Axle	Safety
2dL	RAIL	+/- 135° - +/- 160° Over Rear		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	2.54	-	-	-	-	-	-	
5.0	-	-	-	-	-	2.54	2.07	1.65	-	-	-	-	
4.0	-	-	-	-	3.06	2.49	2.07	1.66	1.33	-	-	-	
3.0	-	-	4.49	3.73	2.99	2.45	2.04	1.62	1.31	1.03	-	-	
2.0	-	6.34	4.75	3.69	2.97	2.47	1.98	1.56	1.25	0.99	-	-	
1.0	9.48	6.39	4.79	3.75	3.01	2.34	1.86	1.47	1.18	0.95	-	-	
0.0	9.35	6.31r	4.69	3.56	2.73	2.16	1.72	1.41	1.12	0.91	-	-	
-1.0	8.40	5.78	4.33	3.29	2.54	2.02	1.62	1.32	1.07	-	-	-	
-2.0	8.21	5.56	4.13	3.13	2.45	1.96	1.59	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	9 of 21

RATED LIFT CAPACITY CHART

RIS 1530

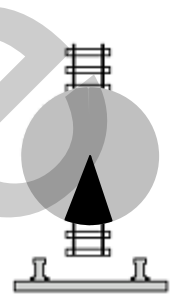
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
2eU	RAIL	+/- 20° Over Rear		66%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	2.35	-	-	-	-	-	-	
5.0	-	-	-	-	-	2.34	1.99	1.72	-	-	-	-	
4.0	-	-	-	-	2.69	2.27	1.95	1.70	1.48	-	-	-	
3.0	-	-	3.40	3.08	2.55	2.17	1.88	1.64	1.45	1.28	-	-	
2.0	-	4.84	3.67	2.78	2.40	2.06	1.80	1.58	1.40	1.25	-	-	
1.0	3.52a	3.86a	3.44	2.76	2.30	1.98	1.74	1.53	1.36	1.22	-	-	
0.0	0.56r	0.54r	3.35	2.70	2.26	1.94	1.69	1.50	1.34	1.21	-	-	
-1.0	5.75a	4.36	3.35	2.70	2.26	1.93	1.69	1.49	1.34	-	-	-	
-2.0	5.80	4.34	3.39	2.73	2.28	1.95	1.71	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

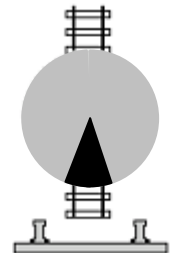


Duty	Config	Sector	Osc Axle	Safety
2eU	RAIL	+/- 20° Over Rear		66%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	2.35	-	-	-	-	-	-	
5.0	-	-	-	-	-	2.35	2.02	1.73	-	-	-	-	
4.0	-	-	-	-	2.71	2.32	2.02	1.73	1.50	-	-	-	
3.0	-	-	3.68	3.17	2.67	2.29	2.00	1.71	1.48	1.29	-	-	
2.0	-	4.93	3.85	3.15	2.66	2.30	1.96	1.67	1.45	1.26	-	-	
1.0	6.84	4.97	3.88	3.18	2.68	2.23	1.89	1.62	1.41	1.23	-	-	
0.0	6.88r	4.92	3.84	3.07	2.51	2.12	1.80	1.58	1.37	1.21	-	-	
-1.0	6.22	4.58	3.60	2.91	2.40	2.03	1.75	1.52	1.34	-	-	-	
-2.0	6.11	4.45	3.48	2.81	2.34	2.00	1.73	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	10 of 21

RATED LIFT CAPACITY CHART

RIS 1530

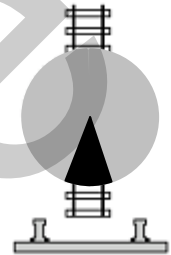
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
2eL	RAIL	+/- 20° Over Rear		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	3.14b	-	-	-	-	-	-	
5.0	-	-	-	-	-	2.99b	2.74b	2.97b	-	-	-	-	
4.0	-	-	-	-	3.57b	2.93b	2.48b	2.77b	2.55	-	-	-	
3.0	-	-	5.72a	4.37b	3.49b	2.89b	2.64b	2.87	2.49	2.17	-	-	
2.0	-	8.20b	5.69b	4.33b	3.47b	2.91b	3.15b	2.78	2.42	2.12	-	-	
1.0	3.52a	3.86a	4.54a	4.39b	3.97b	3.64	3.12	2.70	2.36	2.08	-	-	
0.0	0.56r	0.54r	3.79a	4.97a	4.25	3.58	3.06	2.66	2.33	2.06	-	-	
-1.0	5.75a	5.11a	6.08a	5.11	4.24	3.56	3.05	2.64	2.32	-	-	-	
-2.0	7.47b	8.26	6.40	5.15	4.28	3.60	3.08	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

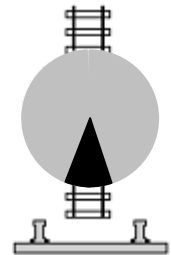


Duty	Config	Sector	Osc Axle	Safety
2eL	RAIL	+/- 20° Over Rear		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	3.22b	-	-	-	-	-	-	
5.0	-	-	-	-	-	3.13b	3.08b	3.00	-	-	-	-	
4.0	-	-	-	-	3.81b	3.53b	3.30b	2.98	2.57	-	-	-	
3.0	-	-	6.81	5.48b	4.69	3.96	3.40	2.96	2.55	2.18	-	-	
2.0	-	9.02	6.91	5.58	4.66	3.94	3.40	2.92	2.49	2.14	-	-	
1.0	10.00	9.08	6.96b	5.62	4.70	4.02	3.36	2.84	2.43	2.09	-	-	
0.0	10.00	9.06	6.98	5.62	4.63	3.85	3.23	2.77	2.37	2.06	-	-	
-1.0	10.00	8.61	6.69	5.40	4.47	3.71	3.14	2.69	2.32	-	-	-	
-2.0	10.00	8.42	6.52	5.27	4.37	3.66	3.11	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	11 of 21

RATED LIFT CAPACITY CHART

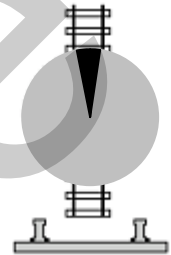
RIS 1530



Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		

Duty	Config	Sector	Osc Axle	Safety
3aU	RAIL	+/- 10° Over Front		66%
	 50 - 150mm			

RADIUS

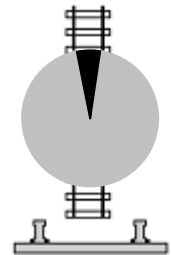
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.14b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	2.99b	2.74b	2.97b	-	-	-	-
		4.0	-	-	-	-	3.57b	2.93b	2.48b	2.77b	2.91b	-	-	-	-
		3.0	-	-	5.72a	4.37b	3.49b	2.89b	2.64b	2.89b	2.96b	2.96b	-	-	-
		2.0	-	8.20b	5.69b	4.33b	3.47b	2.91b	3.15b	3.25b	3.20b	3.07b	-	-	-
		1.0	3.52a	3.86a	4.54a	4.39b	3.97b	4.06b	3.93b	3.72b	3.46b	3.14b	-	-	-
		0.0	0.56r	0.54r	3.79a	4.97a	5.93b	5.16b	4.49b	3.91b	3.44b	3.02b	-	-	-
		-1.0	5.75a	5.11a	6.08a	6.45b	5.54b	4.77b	4.16b	3.59b	3.08b	-	-	-	-
		-2.0	7.47b	8.61b	6.70b	5.18b	4.47b	3.88b	3.32b	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3aU	RAIL	+/- 10° Over Front		66%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.22b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	3.13b	3.08b	3.01b	-	-	-	-
		4.0	-	-	-	-	3.81b	3.53b	3.30b	3.11b	3.00b	-	-	-	-
		3.0	-	-	10.00	5.48b	4.80b	4.15b	3.72b	3.41b	3.14b	2.98b	-	-	-
		2.0	-	9.41b	7.97b	7.01b	5.86b	4.86b	4.19b	3.72b	3.36b	3.09b	-	-	-
		1.0	10.00	10.00	9.47b	7.73b	6.33b	5.25b	4.48b	3.93b	3.49b	3.15b	-	-	-
		0.0	10.00	10.00	10.00	7.97b	6.40b	5.33b	4.57b	4.03b	3.53b	3.02b	-	-	-
		-1.0	10.00	10.00	10.00	8.23b	6.57b	5.41b	4.53b	3.79b	3.08b	-	-	-	-
		-2.0	10.00	10.00	9.04b	6.96b	5.49b	4.42b	3.49b	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	12 of 21

RATED LIFT CAPACITY CHART

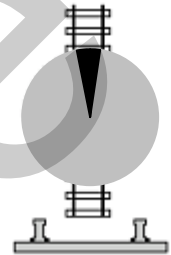
RIS 1530



Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		

Duty	Config	Sector	Osc Axle	Safety
3aL	RAIL	+/- 10° Over Front		90%
	 50 - 150mm			

RADIUS

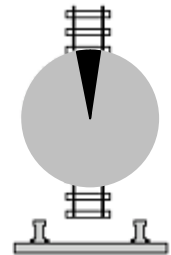
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.14b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	2.99b	2.74b	2.97b	-	-	-	-
		4.0	-	-	-	-	3.57b	2.93b	2.48b	2.77b	2.91b	-	-	-	-
		3.0	-	-	5.72a	4.37b	3.49b	2.89b	2.64b	2.89b	2.96b	2.96b	-	-	-
		2.0	-	8.20b	5.69b	4.33b	3.47b	2.91b	3.15b	3.25b	3.20b	3.07b	-	-	-
		1.0	3.52a	3.86a	4.54a	4.39b	3.97b	4.06b	3.93b	3.72b	3.46b	3.14b	-	-	-
		0.0	0.56r	0.54r	3.79a	4.97a	5.93b	5.16b	4.49b	3.91b	3.44b	3.02b	-	-	-
		-1.0	5.75a	5.11a	6.08a	6.45b	5.54b	4.77b	4.16b	3.59b	3.08b	-	-	-	-
		-2.0	7.47b	8.61b	6.70b	5.18b	4.47b	3.88b	3.32b	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3aL	RAIL	+/- 10° Over Front		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	-	3.22b	-	-	-	-	-	-
		5.0	-	-	-	-	-	-	3.13b	3.08b	3.01b	-	-	-	-
		4.0	-	-	-	-	3.81b	3.53b	3.30b	3.11b	3.00b	-	-	-	-
		3.0	-	-	10.00	5.48b	4.80b	4.15b	3.72b	3.41b	3.14b	2.98b	-	-	-
		2.0	-	9.41b	7.97b	7.01b	5.86b	4.86b	4.19b	3.72b	3.36b	3.09b	-	-	-
		1.0	10.00	10.00	9.47b	7.73b	6.33b	5.25b	4.48b	3.93b	3.49b	3.15b	-	-	-
		0.0	10.00	10.00	10.00	7.97b	6.40b	5.33b	4.57b	4.03b	3.53b	3.02b	-	-	-
		-1.0	10.00	10.00	10.00	8.23b	6.57b	5.41b	4.53b	3.79b	3.08b	-	-	-	-
		-2.0	10.00	10.00	9.04b	6.96b	5.49b	4.42b	3.49b	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	13 of 21

RATED LIFT CAPACITY CHART

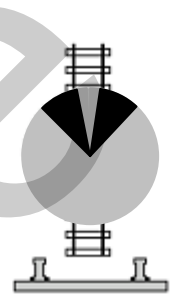
RIS 1530



Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		

Duty	Config	Sector	Osc Axle	Safety
3bU	RAIL	+/- 10° - +/- 45° Over Front		66%
	 50 - 150mm			

RADIUS

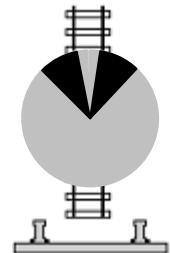
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	2.50	-	-	-	-	-	-	-
		5.0	-	-	-	-	-	2.49	2.08	1.77	-	-	-	-	-
		4.0	-	-	-	-	2.93	2.41	2.03	1.74	1.50	-	-	-	-
		3.0	-	-	3.95	3.45	2.76	2.30	1.95	1.68	1.46	1.28	-	-	-
		2.0	-	6.10	4.29	3.09	2.58	2.17	1.86	1.61	1.41	1.24	-	-	-
		1.0	3.52a	3.86a	4.00	3.07	2.47	2.08	1.79	1.55	1.37	1.21	-	-	-
		0.0	0.56r	0.54r	3.79a	2.98	2.43	2.04	1.74	1.52	1.34	1.20	-	-	-
		-1.0	5.75a	5.11a	3.88	2.99	2.42	2.02	1.74	1.51	1.34	-	-	-	-
		-2.0	7.47b	5.42	3.94	3.03	2.45	2.05	1.76	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3bU	RAIL	+/- 10° - +/- 45° Over Front		66%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	2.50	-	-	-	-	-	-	-
		5.0	-	-	-	-	-	2.50	2.11	1.77	-	-	-	-	-
		4.0	-	-	-	-	2.95	2.47	2.11	1.78	1.51	-	-	-	-
		3.0	-	-	4.31	3.56	2.90	2.44	2.09	1.76	1.50	1.28	-	-	-
		2.0	-	6.22	4.52	3.53	2.89	2.45	2.05	1.71	1.46	1.26	-	-	-
		1.0	9.92	6.27	4.56	3.57	2.92	2.36	1.96	1.65	1.42	1.23	-	-	-
		0.0	9.80	6.21	4.48	3.43	2.72	2.24	1.87	1.61	1.38	1.20	-	-	-
		-1.0	8.95	5.75	4.20	3.24	2.59	2.14	1.80	1.55	1.34	-	-	-	-
		-2.0	8.78	5.58	4.05	3.13	2.52	2.10	1.78	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	14 of 21

RATED LIFT CAPACITY CHART

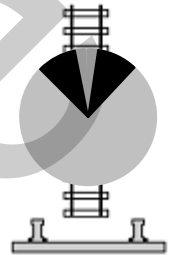
RIS 1530



Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		

Duty	Config	Sector	Osc Axle	Safety
3bL	RAIL	+/- 10° - +/- 45° Over Front		90%
	 50 - 150mm			

RADIUS

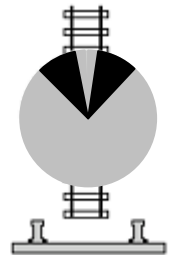
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	3.04	-	-	-	-	-	-	-
		5.0	-	-	-	-	-	2.99b	2.51	2.10	-	-	-	-	-
		4.0	-	-	-	-	3.56	2.93	2.44	2.06	1.74	-	-	-	-
		3.0	-	-	4.62	4.15	3.35	2.78	2.33	1.97	1.68	1.43	-	-	-
		2.0	-	6.57	4.98	3.69	3.11	2.61	2.21	1.88	1.61	1.38	-	-	-
		1.0	3.52a	3.86a	4.54a	3.67	2.97	2.49	2.12	1.81	1.56	1.34	-	-	-
		0.0	0.56r	0.54r	3.79a	3.57	2.91	2.43	2.06	1.76	1.52	1.32	-	-	-
		-1.0	5.75a	5.11a	4.54	3.57	2.90	2.41	2.04	1.75	1.52	-	-	-	-
		-2.0	7.47b	5.89	4.60	3.62	2.94	2.45	2.08	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3bL	RAIL	+/- 10° - +/- 45° Over Front		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	3.04	-	-	-	-	-	-	-
		5.0	-	-	-	-	-	3.03	2.54	2.11	-	-	-	-	-
		4.0	-	-	-	-	3.58	2.99	2.54b	2.11	1.76	-	-	-	-
		3.0	-	-	5.00	4.29	3.52	2.95	2.52	2.08	1.74	1.44	-	-	-
		2.0	-	6.70	5.23	4.25	3.50	2.96	2.46	2.02	1.68	1.41	-	-	-
		1.0	9.30	6.75	5.27	4.30	3.54	2.86	2.35	1.94	1.62	1.36	-	-	-
		0.0	9.20	6.67	5.18	4.13	3.29	2.70	2.22	1.88	1.57	1.32	-	-	-
		-1.0	8.45	6.23	4.88	3.89	3.12	2.56	2.13	1.80	1.52	-	-	-	-
		-2.0	8.30	6.05	4.72	3.75	3.03	2.51	2.10	-	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	15 of 21

RATED LIFT CAPACITY CHART

RIS 1530

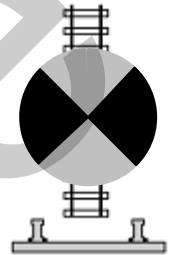
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
3cU	RAIL	+/- 45° - +/- 135°		66%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.19	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.18	0.94	0.67	-	-	-	-	
4.0	-	-	-	-	1.39	1.11	0.86	0.62	0.42	-	-	-	
3.0	-	-	1.59	1.58	1.23	1.00	0.74	0.53	0.36	0.21	-	-	
2.0	-	2.81	1.91	1.23	1.05	0.83	0.61	0.43	0.28	0.16	-	-	
1.0	3.52a	2.33	1.64	1.21	0.93	0.69	0.50	0.34	0.22	0.11	-	-	
0.0	0.56r	0.54r	1.52	1.13	0.87	0.62	0.44	0.30	0.18	0.09	-	-	
-1.0	3.46	2.20	1.52	1.14	0.86	0.61	0.42	0.28	0.18	-	-	-	
-2.0	3.14	2.18	1.58	1.18	0.90	0.64	0.46	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

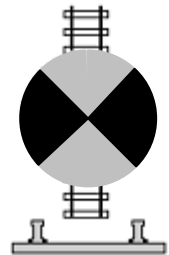


Duty	Config	Sector	Osc Axle	Safety
3cU	RAIL	+/- 45° - +/- 135°		66%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.19	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.19	0.97	0.67	-	-	-	-	
4.0	-	-	-	-	1.41	1.16	0.98	0.68	0.44	-	-	-	
3.0	-	-	1.93	1.69	1.36	1.13	0.94	0.65	0.42	0.22	-	-	
2.0	-	2.92	2.13	1.66	1.35	1.14	0.89	0.58	0.36	0.18	-	-	
1.0	4.60	2.97	2.17	1.70	1.38	1.06	0.76	0.49	0.29	0.13	-	-	
0.0	4.86	3.07	2.11	1.57	1.19	0.92	0.62	0.42	0.23	0.09	-	-	
-1.0	3.73	2.49	1.82	1.38	1.06	0.77	0.52	0.33	0.18	-	-	-	
-2.0	3.57	2.32	1.68	1.27	0.99	0.71	0.49	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	16 of 21

RATED LIFT CAPACITY CHART

RIS 1530

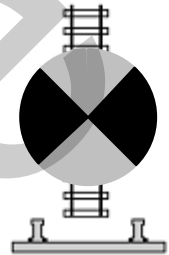
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
3cL	RAIL	+/- 45° - +/- 135°		90%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.63	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.62	1.27	0.99	-	-	-	-	
4.0	-	-	-	-	1.93	1.52	1.20	0.95	0.73	-	-	-	
3.0	-	-	2.30	2.23	1.73	1.37	1.09	0.87	0.68	0.52	-	-	
2.0	-	3.79	2.69	1.79	1.50	1.21	0.98	0.78	0.61	0.47	-	-	
1.0	3.52a	3.25	2.37	1.77	1.36	1.09	0.88	0.70	0.56	0.43	-	-	
0.0	0.56r	0.54r	2.23	1.67	1.30	1.03	0.82	0.66	0.52	0.41	-	-	
-1.0	4.46	3.10	2.23	1.67	1.29	1.02	0.81	0.64	0.52	-	-	-	
-2.0	4.14	3.07	2.29	1.72	1.33	1.05	0.84	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

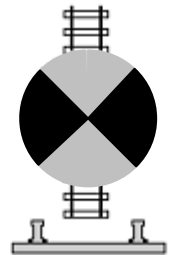


Duty	Config	Sector	Osc Axle	Safety
3cL	RAIL	+/- 45° - +/- 135°		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.63	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.63	1.30	0.99	-	-	-	-	
4.0	-	-	-	-	1.96	1.59	1.31	1.00	0.75	-	-	-	
3.0	-	-	2.72	2.36	1.90	1.55	1.27	0.97	0.74	0.53	-	-	
2.0	-	3.92	2.96	2.33	1.88	1.57	1.22	0.91	0.68	0.49	-	-	
1.0	5.50	3.97	3.00	2.38	1.92	1.45	1.11	0.83	0.62	0.45	-	-	
0.0	5.74	3.93	2.94	2.21	1.67	1.29	0.98	0.77	0.57	0.41	-	-	
-1.0	4.71	3.42	2.59	1.98	1.51	1.16	0.90	0.69	0.52	-	-	-	
-2.0	4.57	3.24	2.42	1.84	1.42	1.11	0.87	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	17 of 21

RATED LIFT CAPACITY CHART

RIS 1530

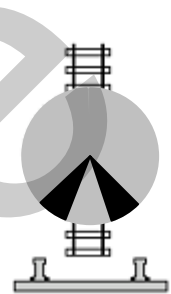
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
3dU	RAIL	+/- 135° - +/- 160° Over Rear		66%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.43	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.42	1.17	0.97	-	-	-	-	
4.0	-	-	-	-	1.65	1.35	1.12	0.93	0.70	-	-	-	
3.0	-	-	1.95	1.87	1.50	1.24	1.05	0.84	0.65	0.48	-	-	
2.0	-	3.13	2.24	1.55	1.33	1.13	0.96	0.75	0.57	0.43	-	-	
1.0	3.52a	2.71	1.99	1.53	1.23	1.04	0.86	0.67	0.52	0.39	-	-	
0.0	0.56r	0.54r	1.89	1.46	1.19	1.00	0.79	0.62	0.48	0.37	-	-	
-1.0	3.81	2.59	1.89	1.47	1.19	0.99	0.78	0.61	0.48	-	-	-	
-2.0	3.54	2.57	1.94	1.50	1.21	1.01	0.81	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

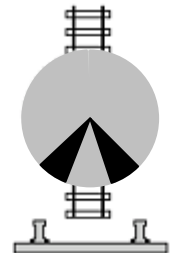


Duty	Config	Sector	Osc Axle	Safety
3dU	RAIL	+/- 135° - +/- 160° Over Rear		66%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.43	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.43	1.19	0.98	-	-	-	-	
4.0	-	-	-	-	1.67	1.40	1.20	0.98	0.72	-	-	-	
3.0	-	-	2.26	1.97	1.62	1.37	1.17	0.95	0.71	0.49	-	-	
2.0	-	3.23	2.44	1.95	1.61	1.38	1.13	0.89	0.65	0.45	-	-	
1.0	4.75	3.27	2.47	1.98	1.64	1.30	1.06	0.80	0.59	0.41	-	-	
0.0	4.98	3.36	2.42	1.86	1.46	1.19	0.96	0.74	0.53	0.37	-	-	
-1.0	4.03	2.85	2.16	1.69	1.34	1.09	0.87	0.66	0.48	-	-	-	
-2.0	3.90	2.70	2.03	1.59	1.28	1.06	0.84	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	18 of 21

RATED LIFT CAPACITY CHART

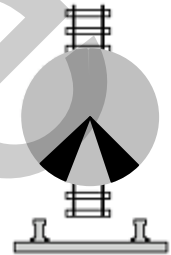
RIS 1530



Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		

Duty	Config	Sector	Osc Axle	Safety
3dL	RAIL	+/- 135° - +/- 160° Over Rear		90%
	 50 - 150mm			

RADIUS

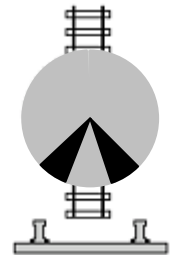
MINIMUM LOADS	HEIGHT	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	2.06	-	-	-	-	-	-
		5.0	-	-	-	-	-	2.05	1.66	1.35	-	-	-	-
		4.0	-	-	-	-	2.42	1.95	1.59	1.31	1.07	-	-	-
		3.0	-	-	2.96	2.78	2.22	1.81	1.49	1.23	1.01	0.83	-	-
		2.0	-	4.53	3.33	2.36	1.99	1.65	1.37	1.14	0.95	0.78	-	-
		1.0	3.52a	3.86a	3.02	2.33	1.86	1.54	1.28	1.07	0.89	0.74	-	-
		0.0	0.56r	0.54r	2.89	2.24	1.80	1.48	1.22	1.02	0.86	0.72	-	-
		-1.0	5.30	3.87	2.89	2.24	1.80	1.46	1.21	1.01	0.86	-	-	-
		-2.0	5.03	3.85	2.95	2.29	1.83	1.50	1.24	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3dL	RAIL	+/- 135° - +/- 160° Over Rear		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
		8.0	-	-	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	-	-	-	-	-	-	-	-
		6.0	-	-	-	-	-	2.06	-	-	-	-	-	-
		5.0	-	-	-	-	-	2.06	1.69	1.35	-	-	-	-
		4.0	-	-	-	-	2.44	2.02	1.70	1.36	1.08	-	-	-
		3.0	-	-	3.36	2.91	2.38	1.99	1.67	1.33	1.07	0.83	-	-
		2.0	-	4.64	3.59	2.88	2.37	2.00	1.61	1.27	1.01	0.80	-	-
		1.0	6.27	4.68	3.63	2.92	2.40	1.89	1.51	1.19	0.96	0.76	-	-
		0.0	6.50	4.65	3.57	2.76	2.16	1.73	1.38	1.13	0.90	0.72	-	-
		-1.0	5.53	4.18	3.24	2.54	2.00	1.61	1.30	1.06	0.86	-	-	-
		-2.0	5.40	4.00	3.07	2.40	1.92	1.56	1.27	-	-	-	-	-
		-3.0	-	-	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED LIFT CAPACITY CHART

RIS 1530

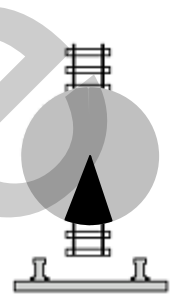
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
3eU	RAIL	+/- 20° Over Rear		66%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.70	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.69	1.45	1.25	-	-	-	-	
4.0	-	-	-	-	1.91	1.63	1.41	1.23	1.07	-	-	-	
3.0	-	-	2.23	2.13	1.79	1.54	1.34	1.18	1.04	0.89	-	-	
2.0	-	3.13	2.45	1.88	1.66	1.45	1.27	1.12	1.00	0.85	-	-	
1.0	3.52a	2.83	2.27	1.86	1.57	1.38	1.21	1.08	0.96	0.81	-	-	
0.0	0.56r	0.54r	2.19	1.80	1.54	1.34	1.18	1.05	0.92	0.79	-	-	
-1.0	3.56	2.75	2.19	1.81	1.54	1.33	1.17	1.04	0.92	-	-	-	
-2.0	3.39	2.74	2.23	1.84	1.56	1.35	1.19	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

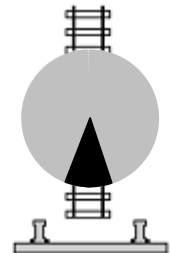


Duty	Config	Sector	Osc Axle	Safety
3eU	RAIL	+/- 20° Over Rear		66%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	1.70	-	-	-	-	-	-	
5.0	-	-	-	-	-	1.70	1.47	1.25	-	-	-	-	
4.0	-	-	-	-	1.93	1.67	1.47	1.26	1.08	-	-	-	
3.0	-	-	2.47	2.21	1.89	1.65	1.45	1.24	1.07	0.90	-	-	
2.0	-	3.20	2.61	2.19	1.88	1.66	1.42	1.21	1.04	0.87	-	-	
1.0	4.16	3.23	2.63	2.22	1.90	1.59	1.35	1.15	1.00	0.83	-	-	
0.0	4.30	3.29	2.59	2.12	1.76	1.50	1.27	1.12	0.97	0.79	-	-	
-1.0	3.70	2.93	2.40	1.99	1.66	1.42	1.22	1.07	0.92	-	-	-	
-2.0	3.62	2.82	2.30	1.91	1.61	1.39	1.21	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	





NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED LIFT CAPACITY CHART

RIS 1530

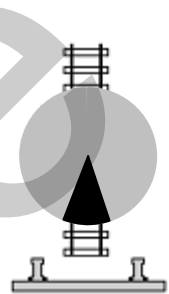
Machine Type	Schaeff HR42	Equipment	2.20m + 2.00m + 2.15m
Issue Date	12/02/2013	Serial No.	3420289 (RTE008)
FIRST of CLASS	N/A		



Duty	Config	Sector	Osc Axle	Safety
3eL	RAIL	+/- 20° Over Rear		90%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	3.14b	-	-	-	-	-	-	
5.0	-	-	-	-	-	2.99b	2.67	2.25	-	-	-	-	
4.0	-	-	-	-	3.57b	2.93b	2.48b	2.21	1.88	-	-	-	
3.0	-	-	4.79	4.33	3.49b	2.89b	2.50	2.13	1.83	1.57	-	-	
2.0	-	6.70	5.14	3.89	3.30	2.79	2.38	2.04	1.76	1.52	-	-	
1.0	3.52a	3.86a	4.54a	3.87	3.16	2.67	2.28	1.96	1.70	1.48	-	-	
0.0	0.56r	0.54r	3.79a	3.77	3.10	2.61	2.22	1.92	1.67	1.46	-	-	
-1.0	5.75a	5.11a	4.73	3.77	3.10	2.59	2.21	1.91	1.67	-	-	-	
-2.0	7.47b	6.05	4.78	3.82	3.13	2.63	2.24	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	

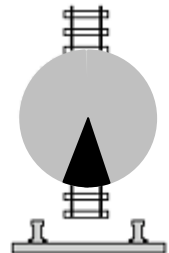


Duty	Config	Sector	Osc Axle	Safety
3eL	RAIL	+/- 20° Over Rear		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS												
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	
8.0	-	-	-	-	-	-	-	-	-	-	-	-	
7.0	-	-	-	-	-	-	-	-	-	-	-	-	
6.0	-	-	-	-	-	3.21	-	-	-	-	-	-	
5.0	-	-	-	-	-	3.13b	2.70	2.26	-	-	-	-	
4.0	-	-	-	-	3.73	3.14b	2.68	2.26	1.90	-	-	-	
3.0	-	-	5.17	4.45	3.67	3.09	2.66	2.23	1.88	1.58	-	-	
2.0	-	6.82	5.39	4.42	3.65	3.09	2.62	2.17	1.82	1.54	-	-	
1.0	9.28	6.86	5.42	4.47	3.72	3.03	2.51	2.09	1.77	1.50	-	-	
0.0	9.19	6.79	5.34	4.31	3.47	2.87	2.38	2.03	1.71	1.46	-	-	
-1.0	8.49	6.37	5.05	4.08	3.31	2.74	2.30	1.95	1.67	-	-	-	
-2.0	8.35	6.20	4.90	3.94	3.22	2.69	2.27	-	-	-	-	-	
-3.0	-	-	-	-	-	-	-	-	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	21 of 21