

# ROADRAILER

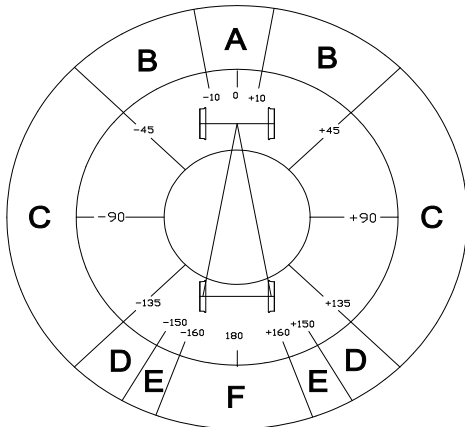
by REXQUOTE

e-mail: sales@rexquote.co.uk

Web: www.rexquote.co.uk

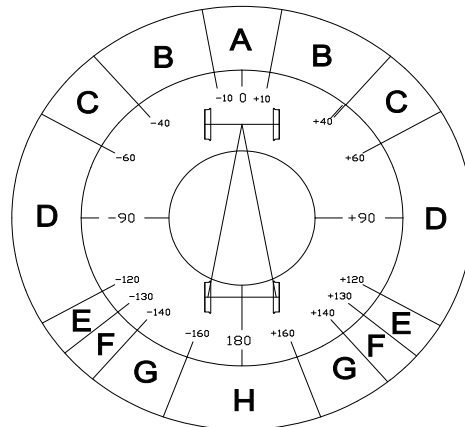
TEL:01823 433398

Oscillating Axle



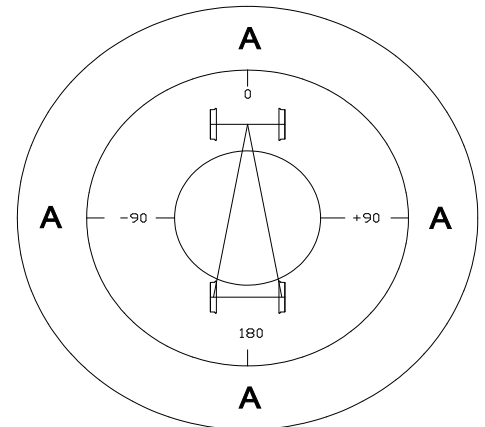
Fixed Axle  
Road Duties

Oscillating Axle



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

Oscillating Axle



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

**Machine fitted with permanently attached Quick Hitch**

Machine Type: Komatsu PW160  
 Serial Number: H50093  
 Rail Axle Number: 2344  
 Network Rail Number: 99709 910026-2  
 Equipment: Boom 5.15m Arm 2.1m  
 Date: 21st October 2013  
 Issue: 3  
 Software Version: V2.17.13.00

This machine is equipped with a Rexquote Rated Capacity Indicator. This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 4


Radius / Height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the lifting point with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the upper & lower limits of the loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity.

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

# RATED LIFT CAPACITY CHART


# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

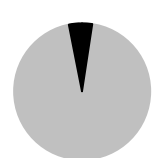
Duty	Config	Sector	Osc Axle	Safety
<b>1aU</b>	<b>ROAD</b>	+/- 10° Over Osc End		<b>75%</b>

		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	8.00	
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7.0	-	-	-	-	-	-	-	3.16	-	-	-	-	-	
	6.0	-	-	-	-	-	-	-	3.17	2.76	2.40	-	-	-	
	5.0	-	-	-	-	-	-	3.56	3.10	2.71	2.39	2.10	-	-	
	4.0	-	-	-	-	4.53	3.89	3.38	2.96	2.61	2.31	2.06	1.83	-	
	3.0	-	-	-	-	-	3.57	3.15	2.79	2.48	2.22	1.99	1.78	1.59	
	2.0	-	-	-	-	-	-	2.95	2.63	2.36	2.12	1.91	1.72	1.56	
	1.0	-	-	-	-	-	3.16	2.81	2.51	2.26	2.04	1.84	1.67	1.52	
	0.0	-	-	-	-	-	3.11	2.74	2.44	2.19	1.98	1.80	1.64	-	
	-1.0	-	-	-	4.34	3.62	3.11	2.72	2.41	2.16	1.95	1.77	1.62	-	
	-2.0	-	-	5.42	4.38	3.66	3.13	2.73	2.42	2.17	1.96	1.79	-	-	
	-3.0	-	-	-	4.46	3.73	3.19	2.78	2.47	2.22	-	-	-	-	
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	



Duty	Config	Sector	Osc Axle	Safety
<b>1aL</b>	<b>ROAD</b>	+/- 10° Over Osc End		<b>75%</b>

		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	8.00	
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
	7.0	-	-	-	-	-	-	-	3.56	-	-	-	-	-	
	6.0	-	-	-	-	-	-	-	3.58	3.10	2.70	-	-	-	
	5.0	-	-	-	-	-	-	4.04	3.50	3.05	2.68	2.36	-	-	
	4.0	-	-	-	-	5.25	4.46	3.85	3.35	2.94	2.60	2.31	2.05	-	
	3.0	-	-	-	-	-	4.12	3.60	3.17	2.81	2.50	2.24	2.00	1.79	
	2.0	-	-	-	-	-	-	3.38	3.00	2.68	2.40	2.16	1.94	1.75	
	1.0	-	-	-	-	-	3.67	3.23	2.87	2.57	2.31	2.09	1.89	1.71	
	0.0	-	-	-	-	-	3.62	3.16	2.80	2.50	2.25	2.04	1.85	-	
	-1.0	-	-	-	5.18	4.26	3.61	3.14	2.77	2.47	2.22	2.01	1.84	-	
	-2.0	-	-	5.79b	5.22	4.30	3.64	3.15	2.77	2.47	2.23	2.03	-	-	
	-3.0	-	-	-	4.63b	4.37	3.71	3.21	2.83	2.53	-	-	-	-	
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	




<b>NOTES</b>	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	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>1bU</b>	<b>ROAD</b>	+/- 10° - +/- 45° Over Osc End		<b>75%</b>

**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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.85	-	-	-	-	-
6.0	-	-	-	-	-	-	-	1.86	1.57	1.31	-	-	-
5.0	-	-	-	-	-	-	2.11	1.79	1.52	1.29	1.09	-	-
4.0	-	-	-	-	2.65	2.25	1.92	1.65	1.42	1.22	1.05	0.89	-
3.0	-	-	-	-	-	1.93	1.70	1.48	1.29	1.13	0.98	0.85	0.72
2.0	-	-	-	-	-	-	1.49	1.32	1.17	1.03	0.90	0.79	0.68
1.0	-	-	-	-	-	1.52	1.35	1.20	1.07	0.94	0.84	0.74	0.65
0.0	-	-	-	-	-	1.47	1.28	1.13	1.00	0.89	0.79	0.70	-
-1.0	-	-	-	2.16	1.75	1.47	1.26	1.10	0.97	0.86	0.77	0.69	-
-2.0	-	-	2.80	2.19	1.78	1.49	1.28	1.11	0.97	0.87	0.78	-	-
-3.0	-	-	-	2.27	1.86	1.55	1.33	1.16	1.03	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>1bL</b>	<b>ROAD</b>	+/- 10° - +/- 45° Over Osc End		<b>75%</b>

**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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	3.42	-	-	-	-	-
6.0	-	-	-	-	-	-	-	3.43	2.95	2.55	-	-	-
5.0	-	-	-	-	-	-	3.90	3.35	2.90	2.53	2.21	-	-
4.0	-	-	-	-	5.14	4.33	3.70	3.20	2.79	2.45	2.16	1.91	-
3.0	-	-	-	-	-	3.96	3.44	3.01	2.65	2.35	2.08	1.86	1.65
2.0	-	-	-	-	-	-	3.21	2.83	2.51	2.24	2.00	1.79	1.61
1.0	-	-	-	-	-	3.50	3.06	2.70	2.40	2.15	1.93	1.74	1.57
0.0	-	-	-	-	-	3.44	2.98	2.62	2.33	2.08	1.88	1.70	-
-1.0	-	-	-	5.05	4.09	3.43	2.95	2.59	2.29	2.05	1.85	1.69	-
-2.0	-	-	5.79b	5.09	4.13	3.46	2.97	2.60	2.30	2.06	1.87	-	-
-3.0	-	-	-	4.63b	4.21	3.53	3.03	2.65	2.36	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-




<b>NOTES</b>	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).
<b>PAGE</b>	3 of 24

# RATED LIFT CAPACITY CHART

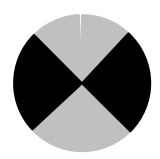
# RIS 1530


Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>1cU</b>	<b>ROAD</b>	+/- 45° - +/- 135°		<b>75%</b>

### RADIUS

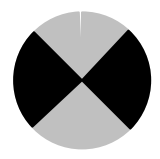
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.16	-	-	-	-	-
6.0	-	-	-	-	-	-	-	2.17	1.85	1.57	-	-	-
5.0	-	-	-	-	-	-	2.45	2.09	1.80	1.55	1.33	-	-
4.0	-	-	-	-	3.09	2.63	2.26	1.96	1.70	1.48	1.28	1.11	-
3.0	-	-	-	-	-	2.32	2.04	1.79	1.57	1.38	1.21	1.06	0.92
2.0	-	-	-	-	-	-	1.83	1.63	1.45	1.28	1.14	1.01	0.89
1.0	-	-	-	-	-	1.91	1.69	1.51	1.34	1.20	1.07	0.95	0.85
0.0	-	-	-	-	-	1.86	1.62	1.43	1.28	1.14	1.02	0.92	-
-1.0	-	-	-	2.67	2.18	1.85	1.60	1.41	1.25	1.11	1.00	0.91	-
-2.0	-	-	3.41	2.70	2.22	1.87	1.62	1.41	1.25	1.12	1.02	-	-
-3.0	-	-	-	2.78	2.29	1.94	1.67	1.46	1.31	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>1cL</b>	<b>ROAD</b>	+/- 45° - +/- 135°		<b>75%</b>

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	3.37	-	-	-	-	-
6.0	-	-	-	-	-	-	-	3.38	2.91	2.51	-	-	-
5.0	-	-	-	-	-	-	3.85	3.30	2.85	2.49	2.17	-	-
4.0	-	-	-	-	5.07	4.26	3.64	3.15	2.74	2.41	2.12	1.87	-
3.0	-	-	-	-	-	3.90	3.39	2.96	2.60	2.30	2.05	1.82	1.61
2.0	-	-	-	-	-	-	3.15	2.78	2.47	2.20	1.96	1.76	1.57
1.0	-	-	-	-	-	3.43	3.00	2.65	2.35	2.10	1.89	1.70	1.54
0.0	-	-	-	-	-	3.37	2.92	2.57	2.28	2.04	1.84	1.66	-
-1.0	-	-	-	4.95	4.01	3.37	2.90	2.54	2.25	2.01	1.81	1.65	-
-2.0	-	-	5.79b	5.00	4.05	3.39	2.91	2.54	2.25	2.02	1.83	-	-
-3.0	-	-	-	4.63b	4.13	3.46	2.97	2.60	2.31	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-




<b>NOTES</b>	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	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>1dU</b>	<b>ROAD</b>	+/- 135° - +/- 150° Over Fixed End		<b>75%</b>

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.89a	-	-	-	-	-
6.0	-	-	-	-	-	-	-	5.10	4.48	3.96	-	-	-
5.0	-	-	-	-	-	-	5.75	5.02	4.43	3.94	3.51	-	-
4.0	-	-	-	-	7.49	6.40	5.55	4.88	4.32	3.86	3.47	3.12	-
3.0	-	-	-	-	-	6.06	5.31	4.70	4.19	3.76	3.39	3.07	2.79
2.0	-	-	-	-	-	-	5.09	4.53	4.06	3.66	3.31	3.01	2.75
1.0	-	-	-	-	-	5.61	4.94	4.40	3.95	3.57	3.24	2.96	2.71
0.0	-	-	-	-	-	5.56	4.87	4.32	3.88	3.51	3.19	2.92	-
-1.0	-	-	-	7.37b	6.50	5.55	4.85	4.29	3.85	3.48	3.17	2.91	-
-2.0	-	-	5.79b	6.35b	6.40b	5.58	4.86	4.30	3.85	3.49	3.19	-	-
-3.0	-	-	-	4.63b	4.74b	4.62b	4.35b	3.97b	3.43b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>1dL</b>	<b>ROAD</b>	+/- 135° - +/- 150° Over Fixed End		<b>75%</b>

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.89a	-	-	-	-	-
6.0	-	-	-	-	-	-	-	5.10	4.48	3.96	-	-	-
5.0	-	-	-	-	-	-	5.75	5.02	4.43	3.94	3.51	-	-
4.0	-	-	-	-	7.49	6.40	5.55	4.88	4.32	3.86	3.47	3.12	-
3.0	-	-	-	-	-	6.06	5.31	4.70	4.19	3.76	3.39	3.07	2.79
2.0	-	-	-	-	-	-	5.09	4.53	4.06	3.66	3.31	3.01	2.75
1.0	-	-	-	-	-	5.61	4.94	4.40	3.95	3.57	3.24	2.96	2.71
0.0	-	-	-	-	-	5.56	4.87	4.32	3.88	3.51	3.19	2.92	-
-1.0	-	-	-	7.37b	6.50	5.55	4.85	4.29	3.85	3.48	3.17	2.91	-
-2.0	-	-	5.79b	6.35b	6.40b	5.58	4.86	4.30	3.85	3.49	3.19	-	-
-3.0	-	-	-	4.63b	4.74b	4.62b	4.35b	3.97b	3.43b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-




<b>NOTES</b>	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).
<b>PAGE</b>	5 of 24

# RATED LIFT CAPACITY CHART

# RIS 1530


Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>1eU</b>	<b>ROAD</b>	+/- 150° - +/- 160° Over Fixed End		<b>75%</b>

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.89a	-	-	-	-	-
6.0	-	-	-	-	-	-	-	5.10	4.48	3.96	-	-	-
5.0	-	-	-	-	-	-	5.75	5.02	4.43	3.94	3.51	-	-
4.0	-	-	-	-	7.49	6.40	5.55	4.88	4.32	3.86	3.47	3.12	-
3.0	-	-	-	-	-	6.06	5.31	4.70	4.19	3.76	3.39	3.07	2.79
2.0	-	-	-	-	-	-	5.09	4.53	4.06	3.66	3.31	3.01	2.75
1.0	-	-	-	-	-	5.61	4.94	4.40	3.95	3.57	3.24	2.96	2.71
0.0	-	-	-	-	-	5.56	4.87	4.32	3.88	3.51	3.19	2.92	-
-1.0	-	-	-	7.37b	6.50	5.55	4.85	4.29	3.85	3.48	3.17	2.91	-
-2.0	-	-	5.79b	6.35b	6.40b	5.58	4.86	4.30	3.85	3.49	3.19	-	-
-3.0	-	-	-	4.63b	4.74b	4.62b	4.35b	3.97b	3.43b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>1eL</b>	<b>ROAD</b>	+/- 150° - +/- 160° Over Fixed End		<b>75%</b>

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.89a	-	-	-	-	-
6.0	-	-	-	-	-	-	-	5.10	4.48	3.96	-	-	-
5.0	-	-	-	-	-	-	5.75	5.02	4.43	3.94	3.51	-	-
4.0	-	-	-	-	7.49	6.40	5.55	4.88	4.32	3.86	3.47	3.12	-
3.0	-	-	-	-	-	6.06	5.31	4.70	4.19	3.76	3.39	3.07	2.79
2.0	-	-	-	-	-	-	5.09	4.53	4.06	3.66	3.31	3.01	2.75
1.0	-	-	-	-	-	5.61	4.94	4.40	3.95	3.57	3.24	2.96	2.71
0.0	-	-	-	-	-	5.56	4.87	4.32	3.88	3.51	3.19	2.92	-
-1.0	-	-	-	7.37b	6.50	5.55	4.85	4.29	3.85	3.48	3.17	2.91	-
-2.0	-	-	5.79b	6.35b	6.40b	5.58	4.86	4.30	3.85	3.49	3.19	-	-
-3.0	-	-	-	4.63b	4.74b	4.62b	4.35b	3.97b	3.43b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-




<b>NOTES</b>	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).
<b>PAGE</b>	6 of 24

# RATED LIFT CAPACITY CHART

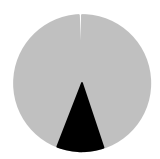
# RIS 1530


Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>1fU</b>	<b>ROAD</b>	+/- 20° Over Fixed End		<b>75%</b>

### RADIUS

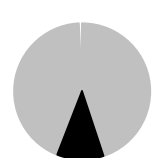
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.89a	-	-	-	-	-
6.0	-	-	-	-	-	-	-	5.10	4.48	3.96	-	-	-
5.0	-	-	-	-	-	-	5.75	5.02	4.43	3.94	3.51	-	-
4.0	-	-	-	-	7.49	6.40	5.55	4.88	4.32	3.86	3.47	3.12	-
3.0	-	-	-	-	-	6.06	5.31	4.70	4.19	3.76	3.39	3.07	2.79
2.0	-	-	-	-	-	-	5.09	4.53	4.06	3.66	3.31	3.01	2.75
1.0	-	-	-	-	-	5.61	4.94	4.40	3.95	3.57	3.24	2.96	2.71
0.0	-	-	-	-	-	5.56	4.87	4.32	3.88	3.51	3.19	2.92	-
-1.0	-	-	-	7.37b	6.50	5.55	4.85	4.29	3.85	3.48	3.17	2.91	-
-2.0	-	-	5.79b	6.35b	6.40b	5.58	4.86	4.30	3.85	3.49	3.19	-	-
-3.0	-	-	-	4.63b	4.74b	4.62b	4.35b	3.97b	3.43b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>1fL</b>	<b>ROAD</b>	+/- 20° Over Fixed End		<b>75%</b>

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.89a	-	-	-	-	-
6.0	-	-	-	-	-	-	-	5.10	4.48	3.96	-	-	-
5.0	-	-	-	-	-	-	5.75	5.02	4.43	3.94	3.51	-	-
4.0	-	-	-	-	7.49	6.40	5.55	4.88	4.32	3.86	3.47	3.12	-
3.0	-	-	-	-	-	6.06	5.31	4.70	4.19	3.76	3.39	3.07	2.79
2.0	-	-	-	-	-	-	5.09	4.53	4.06	3.66	3.31	3.01	2.75
1.0	-	-	-	-	-	5.61	4.94	4.40	3.95	3.57	3.24	2.96	2.71
0.0	-	-	-	-	-	5.56	4.87	4.32	3.88	3.51	3.19	2.92	-
-1.0	-	-	-	7.37b	6.50	5.55	4.85	4.29	3.85	3.48	3.17	2.91	-
-2.0	-	-	5.79b	6.35b	6.40b	5.58	4.86	4.30	3.85	3.49	3.19	-	-
-3.0	-	-	-	4.63b	4.74b	4.62b	4.35b	3.97b	3.43b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	7 of 24

# RATED LIFT CAPACITY CHART

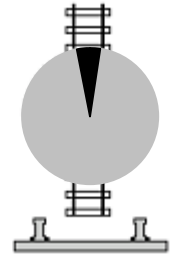
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam

Duty	Config	Sector	Osc Axle	Safety
<b>2aU</b>	<b>RAIL</b>	+/- 10° Over Osc End		<b>67%</b>
				
	<b>0 - 50mm</b>			

### RADIUS

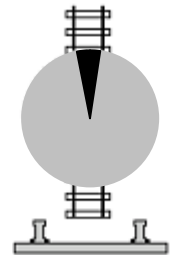
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	3.05	2.64	-	-	-	-
	6.0	-	-	-	-	-	-	3.04	2.67	2.34	-	-	-
	5.0	-	-	-	-	-	3.38	2.96	2.61	2.31	2.05	-	-
	4.0	-	-	-	-	4.23	3.67	3.21	2.83	2.52	2.24	2.01	1.80
	3.0	-	-	-	-	-	3.39	3.01	2.69	2.40	2.16	1.94	1.75
	2.0	-	-	-	-	-	-	2.84	2.55	2.30	2.07	1.88	1.70
	1.0	-	-	-	-	-	3.08	2.74	2.45	2.21	2.00	1.82	1.66
	0.0	-	-	-	-	3.52	3.05	2.69	2.40	2.16	1.96	1.78	1.63
	-1.0	-	-	5.19	4.20	3.53	3.05	2.68	2.38	2.14	1.94	1.77	-
	-2.0	-	-	5.20	4.24	3.57	3.07	2.69	2.40	2.15	1.95	-	-
	-3.0	-	-	-	-	3.64	3.14	2.75	2.45	2.22	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>2aL</b>	<b>RAIL</b>	+/- 10° Over Osc End		<b>75%</b>
				
	<b>0 - 50mm</b>			

### 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	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	4.99	3.73a	-	-	-	-
	6.0	-	-	-	-	-	-	4.98	4.38	3.87	-	-	-
	5.0	-	-	-	-	-	5.59	4.88	4.31	3.83	3.42	-	-
	4.0	-	-	-	-	7.22	6.19	5.38	4.73	4.20	3.75	3.37	3.04
	3.0	-	-	-	-	-	5.84	5.14	4.55	4.06	3.65	3.29	2.98
	2.0	-	-	-	-	-	-	4.93	4.39	3.93	3.54	3.21	2.92
	1.0	-	-	-	-	-	5.46	4.80	4.27	3.83	3.46	3.15	2.87
	0.0	-	-	-	-	6.32	5.41	4.74	4.20	3.77	3.41	3.10	2.84
	-1.0	-	-	6.09b	7.22b	6.34	5.41	4.72	4.18	3.74	3.39	3.09	-
	-2.0	-	-	5.54b	6.04b	6.10b	5.45	4.74	4.20	3.76	3.40	-	-
	-3.0	-	-	-	-	4.31b	4.21b	3.96b	3.56b	2.93b	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	8 of 24



# RATED LIFT CAPACITY CHART

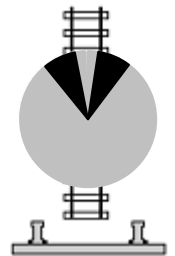
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam

Duty	Config	Sector	Osc Axle	Safety
<b>2bU</b>	<b>RAIL</b>	+/- 10° - +/- 40° Over Osc End		<b>67%</b>
				
	<b>0 - 50mm</b>			

### RADIUS

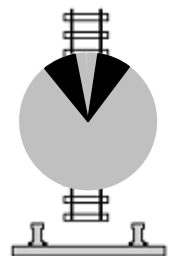
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.03	1.73	-	-	-	-
6.0	-	-	-	-	-	-	-	2.02	1.75	1.51	-	-	-
5.0	-	-	-	-	-	-	2.24	1.95	1.70	1.49	1.30	-	-
4.0	-	-	-	-	2.73	2.38	2.08	1.83	1.61	1.42	1.26	1.10	-
3.0	-	-	-	-	-	2.12	1.89	1.69	1.50	1.34	1.19	1.06	0.94
2.0	-	-	-	-	-	-	1.73	1.56	1.40	1.26	1.13	1.01	0.91
1.0	-	-	-	-	-	1.83	1.63	1.47	1.32	1.19	1.08	0.97	0.88
0.0	-	-	-	-	2.07	1.79	1.59	1.42	1.27	1.15	1.04	0.94	-
-1.0	-	-	3.07	2.48	2.08	1.79	1.57	1.40	1.25	1.13	1.03	-	-
-2.0	-	-	3.08	2.52	2.12	1.82	1.59	1.41	1.26	1.15	-	-	-
-3.0	-	-	-	-	2.18	1.88	1.64	1.46	1.32	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>2bL</b>	<b>RAIL</b>	+/- 10° - +/- 40° Over Osc End		<b>90%</b>
				
	<b>0 - 50mm</b>			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	3.69	3.13	-	-	-	-
6.0	-	-	-	-	-	-	-	3.67	3.16	2.73	-	-	-
5.0	-	-	-	-	-	-	4.13	3.55	3.08	2.69	2.31	-	-
4.0	-	-	-	-	5.30	4.51	3.88	3.37	2.94	2.58	2.24	1.94	-
3.0	-	-	-	-	-	4.09	3.58	3.15	2.78	2.44	2.13	1.87	1.62
2.0	-	-	-	-	-	-	3.33	2.95	2.61	2.30	2.03	1.79	1.57
1.0	-	-	-	-	-	3.62	3.17	2.81	2.48	2.19	1.94	1.72	1.52
0.0	-	-	-	-	4.21	3.57	3.10	2.73	2.40	2.12	1.88	1.67	-
-1.0	-	-	6.09b	5.19	4.23	3.57	3.08	2.70	2.36	2.09	1.86	-	-
-2.0	-	-	5.54b	5.25	4.29	3.61	3.11	2.72	2.38	2.11	-	-	-
-3.0	-	-	-	-	4.31b	3.70	3.19	2.80	2.48	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<b>NOTES</b>	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).
<b>PAGE</b>	9 of 24

# RATED LIFT CAPACITY CHART

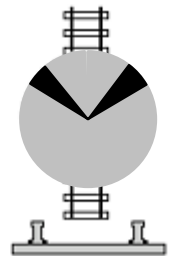
# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>2cU</b>	<b>RAIL</b>	+/- 40° - +/- 60° Over Osc End		<b>67%</b>
	<b>0 - 50mm</b>			

### RADIUS

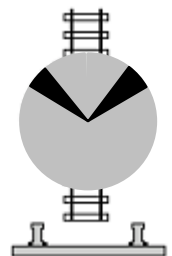
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.80	1.52	-	-	-	-
6.0	-	-	-	-	-	-	-	1.79	1.54	1.32	-	-	-
5.0	-	-	-	-	-	-	1.99	1.72	1.49	1.29	1.12	-	-
4.0	-	-	-	-	2.41	2.10	1.83	1.60	1.40	1.23	1.08	0.94	-
3.0	-	-	-	-	-	1.84	1.64	1.46	1.29	1.14	1.01	0.89	0.78
2.0	-	-	-	-	-	-	1.48	1.33	1.19	1.06	0.95	0.85	0.75
1.0	-	-	-	-	-	1.54	1.38	1.24	1.11	1.00	0.90	0.80	0.72
0.0	-	-	-	-	1.75	1.51	1.33	1.19	1.06	0.95	0.86	0.78	-
-1.0	-	-	2.64	2.12	1.76	1.51	1.32	1.17	1.04	0.94	0.85	-	-
-2.0	-	-	2.65	2.15	1.80	1.54	1.34	1.18	1.05	0.95	-	-	-
-3.0	-	-	-	-	1.86	1.60	1.39	1.23	1.11	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>2cL</b>	<b>RAIL</b>	+/- 40° - +/- 60° Over Osc End		<b>90%</b>
	<b>0 - 50mm</b>			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	3.27	2.77	-	-	-	-
6.0	-	-	-	-	-	-	-	3.26	2.80	2.38	-	-	-
5.0	-	-	-	-	-	-	3.66	3.14	2.72	2.34	2.00	-	-
4.0	-	-	-	-	4.63	3.95	3.41	2.96	2.58	2.23	1.92	1.65	-
3.0	-	-	-	-	-	3.55	3.12	2.75	2.40	2.09	1.82	1.58	1.36
2.0	-	-	-	-	-	-	2.88	2.54	2.23	1.96	1.72	1.51	1.31
1.0	-	-	-	-	-	3.10	2.73	2.39	2.10	1.85	1.63	1.44	1.26
0.0	-	-	-	-	3.58	3.05	2.65	2.30	2.02	1.78	1.57	1.39	-
-1.0	-	-	5.62	4.40	3.60	3.05	2.63	2.27	1.99	1.75	1.55	-	-
-2.0	-	-	5.54b	4.45	3.66	3.09	2.66	2.29	2.01	1.77	-	-	-
-3.0	-	-	-	-	3.76	3.18	2.74	2.38	2.10	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	10 of 24

# RATED LIFT CAPACITY CHART

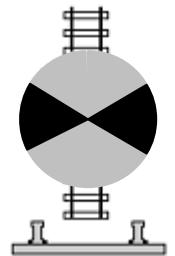
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>2dU</b>	<b>RAIL</b>	+/- 60° - +/- 120°		<b>67%</b>
				
	<b>0 - 50mm</b>			

### RADIUS

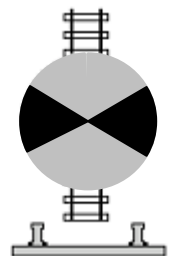
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.54	1.27	-	-	-	-
6.0	-	-	-	-	-	-	-	1.53	1.29	1.08	-	-	-
5.0	-	-	-	-	-	-	1.71	1.45	1.24	1.05	0.89	-	-
4.0	-	-	-	-	2.08	1.79	1.54	1.33	1.14	0.99	0.85	0.72	-
3.0	-	-	-	-	-	1.52	1.34	1.18	1.03	0.90	0.78	0.68	0.55
2.0	-	-	-	-	-	-	1.17	1.05	0.93	0.82	0.72	0.63	0.51
1.0	-	-	-	-	-	1.21	1.07	0.95	0.84	0.75	0.66	0.57	0.46
0.0	-	-	-	-	1.38	1.17	1.02	0.90	0.79	0.70	0.62	0.53	-
-1.0	-	-	2.21	1.72	1.40	1.17	1.01	0.88	0.77	0.68	0.61	-	-
-2.0	-	-	2.23	1.76	1.43	1.20	1.03	0.89	0.78	0.70	-	-	-
-3.0	-	-	-	-	1.50	1.26	1.08	0.95	0.85	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>2dL</b>	<b>RAIL</b>	+/- 60° - +/- 120°		<b>90%</b>
				
	<b>0 - 50mm</b>			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.87	2.37	-	-	-	-
6.0	-	-	-	-	-	-	-	2.85	2.40	2.01	-	-	-
5.0	-	-	-	-	-	-	3.20	2.74	2.32	1.96	1.65	-	-
4.0	-	-	-	-	4.03	3.44	2.95	2.54	2.17	1.85	1.58	1.33	-
3.0	-	-	-	-	-	3.04	2.67	2.30	1.99	1.72	1.48	1.26	1.07
2.0	-	-	-	-	-	-	2.39	2.09	1.82	1.58	1.37	1.19	1.01
1.0	-	-	-	-	-	2.57	2.22	1.94	1.69	1.47	1.29	1.12	0.97
0.0	-	-	-	-	2.99	2.51	2.14	1.85	1.61	1.40	1.23	1.07	-
-1.0	-	-	4.77	3.70	3.01	2.51	2.12	1.82	1.58	1.37	1.21	-	-
-2.0	-	-	4.79	3.76	3.06	2.56	2.15	1.84	1.60	1.40	-	-	-
-3.0	-	-	-	-	3.17	2.66	2.24	1.93	1.69	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	11 of 24

# RATED LIFT CAPACITY CHART

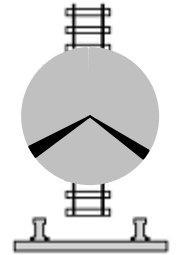
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>2eU</b>	<b>RAIL</b>	+/- 120° - +/- 130° Over Fixed End		<b>67%</b>
				
	<b>0 - 50mm</b>			

### RADIUS

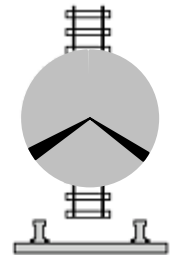
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.92	1.63	-	-	-	-
6.0	-	-	-	-	-	-	-	1.91	1.65	1.43	-	-	-
5.0	-	-	-	-	-	-	2.11	1.84	1.60	1.40	1.22	-	-
4.0	-	-	-	-	2.56	2.23	1.96	1.72	1.52	1.34	1.18	1.04	-
3.0	-	-	-	-	-	1.98	1.77	1.58	1.41	1.26	1.12	0.99	0.88
2.0	-	-	-	-	-	-	1.62	1.46	1.31	1.18	1.06	0.95	0.84
1.0	-	-	-	-	-	1.70	1.52	1.37	1.23	1.11	1.00	0.90	0.81
0.0	-	-	-	-	1.92	1.66	1.47	1.32	1.18	1.07	0.97	0.88	-
-1.0	-	-	2.83	2.30	1.93	1.67	1.46	1.30	1.17	1.05	0.96	-	-
-2.0	-	-	2.84	2.33	1.96	1.69	1.48	1.31	1.18	1.07	-	-	-
-3.0	-	-	-	-	2.03	1.75	1.53	1.36	1.23	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>2eL</b>	<b>RAIL</b>	+/- 120° - +/- 130° Over Fixed End		<b>75%</b>
				
	<b>0 - 50mm</b>			

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	3.82	3.31	-	-	-	-
6.0	-	-	-	-	-	-	-	3.81	3.33	2.93	-	-	-
5.0	-	-	-	-	-	-	4.26	3.72	3.27	2.90	2.57	-	-
4.0	-	-	-	-	5.40	4.66	4.06	3.57	3.16	2.82	2.52	2.26	-
3.0	-	-	-	-	-	4.33	3.82	3.39	3.03	2.72	2.45	2.21	1.99
2.0	-	-	-	-	-	-	3.62	3.24	2.91	2.62	2.37	2.15	1.95
1.0	-	-	-	-	-	3.96	3.50	3.13	2.81	2.54	2.31	2.10	1.92
0.0	-	-	-	-	4.55	3.92	3.44	3.06	2.75	2.49	2.26	2.07	-
-1.0	-	-	6.09b	5.48	4.57	3.92	3.43	3.04	2.73	2.47	2.25	-	-
-2.0	-	-	5.54b	5.53	4.61	3.95	3.45	3.06	2.74	2.48	-	-	-
-3.0	-	-	-	-	4.31b	4.02	3.51	3.12	2.81	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	12 of 24

# RATED LIFT CAPACITY CHART

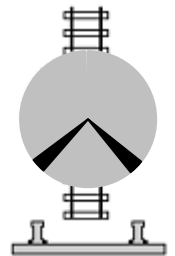
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam

Duty	Config	Sector	Osc Axle	Safety
<b>2fU</b>	<b>RAIL</b>	+/- 130° - +/- 140° Over Fixed End		<b>67%</b>
				
	<b>0 - 50mm</b>			

### RADIUS

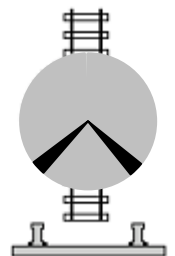
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.15	1.84	-	-	-	-
6.0	-	-	-	-	-	-	-	2.14	1.86	1.62	-	-	-
5.0	-	-	-	-	-	-	2.37	2.07	1.81	1.60	1.40	-	-
4.0	-	-	-	-	2.87	2.51	2.21	1.95	1.72	1.53	1.36	1.20	-
3.0	-	-	-	-	-	2.26	2.03	1.81	1.62	1.45	1.30	1.16	1.03
2.0	-	-	-	-	-	-	1.87	1.69	1.52	1.37	1.24	1.11	1.00
1.0	-	-	-	-	-	1.98	1.77	1.60	1.44	1.31	1.18	1.07	0.97
0.0	-	-	-	-	2.23	1.94	1.72	1.55	1.39	1.26	1.15	1.05	-
-1.0	-	-	3.25	2.65	2.25	1.95	1.71	1.53	1.37	1.25	1.13	-	-
-2.0	-	-	3.26	2.69	2.28	1.97	1.73	1.54	1.39	1.26	-	-	-
-3.0	-	-	-	-	2.34	2.03	1.78	1.59	1.44	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>2fL</b>	<b>RAIL</b>	+/- 130° - +/- 140° Over Fixed End		<b>75%</b>
				
	<b>0 - 50mm</b>			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.20	3.65	-	-	-	-
6.0	-	-	-	-	-	-	-	4.19	3.68	3.25	-	-	-
5.0	-	-	-	-	-	-	4.68	4.09	3.61	3.21	2.86	-	-
4.0	-	-	-	-	5.94	5.13	4.48	3.95	3.50	3.13	2.81	2.53	-
3.0	-	-	-	-	-	4.80	4.25	3.77	3.37	3.03	2.74	2.48	2.24
2.0	-	-	-	-	-	-	4.05	3.62	3.25	2.93	2.66	2.42	2.20
1.0	-	-	-	-	-	4.43	3.92	3.50	3.15	2.85	2.60	2.37	2.17
0.0	-	-	-	-	5.10	4.39	3.86	3.44	3.09	2.80	2.55	2.34	-
-1.0	-	-	6.09b	6.12	5.12	4.39	3.85	3.42	3.07	2.78	2.54	-	-
-2.0	-	-	5.54b	6.04b	5.16	4.43	3.87	3.43	3.08	2.80	-	-	-
-3.0	-	-	-	-	4.31b	4.21b	3.94	3.50	2.93b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	13 of 24

# RATED LIFT CAPACITY CHART

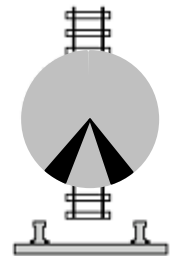
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>2gU</b>	<b>RAIL</b>	+/- 140° - +/- 160° Over Fixed End		<b>67%</b>
				
	<b>0 - 50mm</b>			

### RADIUS

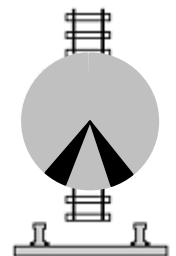
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.56	2.22	-	-	-	-
6.0	-	-	-	-	-	-	-	2.55	2.24	1.97	-	-	-
5.0	-	-	-	-	-	-	2.81	2.47	2.19	1.94	1.72	-	-
4.0	-	-	-	-	3.43	3.01	2.66	2.35	2.10	1.87	1.68	1.50	-
3.0	-	-	-	-	-	2.76	2.47	2.22	1.99	1.79	1.62	1.46	1.31
2.0	-	-	-	-	-	-	2.32	2.09	1.89	1.71	1.56	1.41	1.28
1.0	-	-	-	-	-	2.47	2.22	2.00	1.81	1.65	1.50	1.37	1.25
0.0	-	-	-	-	2.79	2.44	2.17	1.95	1.77	1.61	1.47	1.34	-
-1.0	-	-	3.99	3.29	2.80	2.44	2.16	1.93	1.75	1.59	1.45	-	-
-2.0	-	-	4.01	3.33	2.84	2.47	2.18	1.95	1.76	1.60	-	-	-
-3.0	-	-	-	-	2.90	2.52	2.23	2.00	1.82	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>2gL</b>	<b>RAIL</b>	+/- 140° - +/- 160° Over Fixed End		<b>75%</b>
				
	<b>0 - 50mm</b>			

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.89	3.73a	-	-	-	-
6.0	-	-	-	-	-	-	-	4.88	4.30	3.80	-	-	-
5.0	-	-	-	-	-	-	5.46	4.78	4.23	3.77	3.37	-	-
4.0	-	-	-	-	7.00	6.03	5.26	4.63	4.12	3.69	3.32	2.99	-
3.0	-	-	-	-	-	5.69	5.02	4.46	3.99	3.59	3.24	2.94	2.67
2.0	-	-	-	-	-	-	4.82	4.30	3.86	3.49	3.16	2.88	2.63
1.0	-	-	-	-	-	5.31	4.69	4.18	3.76	3.40	3.10	2.83	2.60
0.0	-	-	-	-	6.13	5.27	4.63	4.12	3.70	3.35	3.05	2.80	-
-1.0	-	-	6.09b	7.22b	6.15	5.27	4.61	4.09	3.68	3.33	3.04	-	-
-2.0	-	-	5.54b	6.04b	6.10b	5.31	4.64	4.11	3.69	3.35	-	-	-
-3.0	-	-	-	-	4.31b	4.21b	3.96b	3.56b	2.93b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	14 of 24

# RATED LIFT CAPACITY CHART

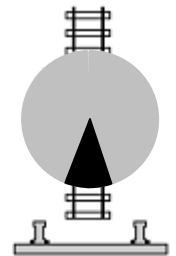
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>2hU</b>	<b>RAIL</b>	<b>+/- 20° Over Fixed End</b>		<b>67%</b>
				
	<b>0 - 50mm</b>			

### RADIUS

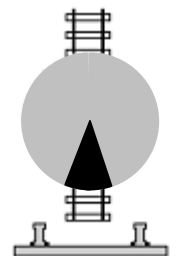
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.60	3.73a	-	-	-	-
6.0	-	-	-	-	-	-	-	4.58	4.05	3.60	-	-	-
5.0	-	-	-	-	-	-	5.12	4.50	3.99	3.57	3.20	-	-
4.0	-	-	-	-	6.52	5.64	4.94	4.37	3.90	3.50	3.16	2.86	-
3.0	-	-	-	-	-	5.35	4.73	4.21	3.78	3.41	3.09	2.81	2.56
2.0	-	-	-	-	-	-	4.55	4.07	3.67	3.32	3.02	2.76	2.53
1.0	-	-	-	-	-	5.02	4.44	3.97	3.58	3.25	2.96	2.72	2.50
0.0	-	-	-	-	5.77	4.99	4.39	3.92	3.53	3.20	2.93	2.69	-
-1.0	-	-	6.09b	6.89	5.79	4.99	4.38	3.90	3.51	3.18	2.91	-	-
-2.0	-	-	5.54b	6.04b	5.83	5.01	4.40	3.91	3.52	3.20	-	-	-
-3.0	-	-	-	-	4.31b	4.21b	3.96b	3.56b	2.93b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>2hL</b>	<b>RAIL</b>	<b>+/- 20° Over Fixed End</b>		<b>75%</b>
				
	<b>0 - 50mm</b>			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	5.23	3.73a	-	-	-	-
6.0	-	-	-	-	-	-	-	5.22	4.61	4.10	-	-	-
5.0	-	-	-	-	-	-	5.83	5.13	4.55	4.07	3.65	-	-
4.0	-	-	-	-	7.43	6.43	5.63	4.98	4.44	3.99	3.60	3.26	-
3.0	-	-	-	-	-	6.10	5.39	4.80	4.31	3.89	3.53	3.21	2.93
2.0	-	-	-	-	-	-	5.19	4.65	4.19	3.79	3.45	3.15	2.89
1.0	-	-	-	-	-	5.73	5.07	4.53	4.09	3.71	3.38	3.10	2.85
0.0	-	-	-	-	6.59	5.69	5.01	4.47	4.03	3.66	3.34	3.07	-
-1.0	-	-	6.09b	7.22b	6.60	5.69	5.00	4.45	4.01	3.64	3.33	-	-
-2.0	-	-	5.54b	6.04b	6.10b	5.72	5.02	4.47	4.02	3.65	-	-	-
-3.0	-	-	-	-	4.31b	4.21b	3.96b	3.56b	2.93b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	15 of 24

# RATED LIFT CAPACITY CHART

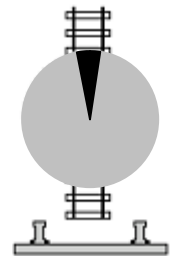
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>3aU</b>	<b>RAIL</b>	+/- 10° Over Osc End		<b>67%</b>
	 50 - 150mm			

### RADIUS

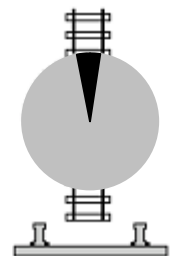
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.42	2.06	-	-	-	-
6.0	-	-	-	-	-	-	-	2.41	2.08	1.80	-	-	-
5.0	-	-	-	-	-	-	2.69	2.33	2.03	1.77	1.55	-	-
4.0	-	-	-	-	3.38	2.91	2.52	2.20	1.93	1.70	1.50	1.32	-
3.0	-	-	-	-	-	2.62	2.31	2.04	1.81	1.61	1.43	1.28	1.13
2.0	-	-	-	-	-	-	2.14	1.91	1.70	1.52	1.37	1.23	1.10
1.0	-	-	-	-	-	2.29	2.03	1.81	1.62	1.45	1.31	1.18	1.07
0.0	-	-	-	-	2.63	2.26	1.97	1.75	1.56	1.41	1.27	1.15	-
-1.0	-	-	4.04	3.20	2.65	2.26	1.96	1.73	1.54	1.39	1.26	-	-
-2.0	-	-	4.06	3.25	2.69	2.29	1.98	1.74	1.56	1.40	-	-	-
-3.0	-	-	-	-	2.76	2.35	2.04	1.80	1.62	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



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

### 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	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.43	3.73a	-	-	-	-
6.0	-	-	-	-	-	-	-	4.41	3.82	3.32	-	-	-
5.0	-	-	-	-	-	-	4.98	4.29	3.74	3.28	2.89	-	-
4.0	-	-	-	-	6.46	5.48	4.72	4.10	3.60	3.18	2.82	2.48	-
3.0	-	-	-	-	-	5.05	4.41	3.88	3.43	3.05	2.72	2.41	2.12
2.0	-	-	-	-	-	-	4.15	3.67	3.27	2.92	2.62	2.33	2.07
1.0	-	-	-	-	-	4.56	3.99	3.53	3.15	2.82	2.53	2.26	2.02
0.0	-	-	-	-	5.33	4.51	3.91	3.45	3.07	2.75	2.46	2.21	-
-1.0	-	-	6.09b	6.57	5.35	4.51	3.90	3.42	3.04	2.73	2.44	-	-
-2.0	-	-	5.54b	6.04b	5.41	4.56	3.92	3.44	3.06	2.75	-	-	-
-3.0	-	-	-	-	4.31b	4.21b	3.96b	3.52	2.93b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	16 of 24



# RATED LIFT CAPACITY CHART

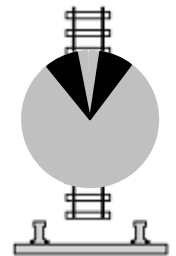
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>3bU</b>	<b>RAIL</b>	+/- 10° - +/- 40° Over Osc End		<b>67%</b>
	 50 - 150mm			

### RADIUS

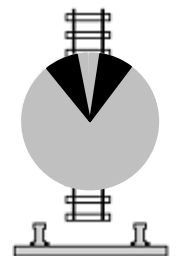
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.71	1.44	-	-	-	-
6.0	-	-	-	-	-	-	-	1.70	1.46	1.25	-	-	-
5.0	-	-	-	-	-	-	1.88	1.62	1.41	1.22	1.06	-	-
4.0	-	-	-	-	2.27	1.97	1.72	1.51	1.32	1.16	1.01	0.88	-
3.0	-	-	-	-	-	1.72	1.54	1.37	1.21	1.08	0.95	0.84	0.73
2.0	-	-	-	-	-	-	1.38	1.24	1.11	1.00	0.89	0.79	0.70
1.0	-	-	-	-	-	1.44	1.29	1.15	1.04	0.93	0.84	0.75	0.67
0.0	-	-	-	-	1.63	1.40	1.24	1.10	0.99	0.89	0.80	0.72	-
-1.0	-	-	2.44	1.96	1.64	1.41	1.23	1.09	0.97	0.87	0.79	-	-
-2.0	-	-	2.45	2.00	1.67	1.43	1.25	1.10	0.98	0.89	-	-	-
-3.0	-	-	-	-	1.73	1.49	1.30	1.15	1.04	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>3bL</b>	<b>RAIL</b>	+/- 10° - +/- 40° Over Osc End		<b>90%</b>
	 50 - 150mm			

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.96	2.45	-	-	-	-
6.0	-	-	-	-	-	-	-	2.94	2.49	2.08	-	-	-
5.0	-	-	-	-	-	-	3.31	2.83	2.40	2.03	1.71	-	-
4.0	-	-	-	-	4.21	3.57	3.06	2.64	2.25	1.92	1.64	1.38	-
3.0	-	-	-	-	-	3.16	2.77	2.39	2.07	1.78	1.53	1.31	1.11
2.0	-	-	-	-	-	-	2.50	2.18	1.89	1.65	1.43	1.23	1.06
1.0	-	-	-	-	-	2.69	2.32	2.02	1.76	1.54	1.34	1.16	1.01
0.0	-	-	-	-	3.13	2.64	2.24	1.93	1.68	1.46	1.28	1.12	-
-1.0	-	-	5.05	3.89	3.15	2.64	2.22	1.90	1.65	1.43	1.26	-	-
-2.0	-	-	5.07	3.95	3.21	2.68	2.25	1.92	1.66	1.46	-	-	-
-3.0	-	-	-	-	3.31	2.78	2.34	2.01	1.76	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	17 of 24

# RATED LIFT CAPACITY CHART

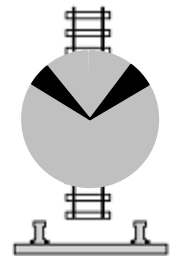
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>3cU</b>	<b>RAIL</b>	+/- 40° - +/- 60° Over Osc End		<b>67%</b>
	 50 - 150mm			

### RADIUS

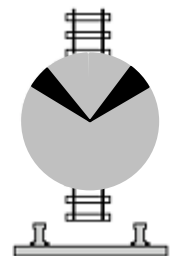
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.57	1.31	-	-	-	-
6.0	-	-	-	-	-	-	-	1.56	1.33	1.13	-	-	-
5.0	-	-	-	-	-	-	1.73	1.49	1.28	1.11	0.95	-	-
4.0	-	-	-	-	2.08	1.81	1.57	1.37	1.19	1.04	0.91	0.78	-
3.0	-	-	-	-	-	1.55	1.39	1.23	1.09	0.96	0.84	0.74	0.64
2.0	-	-	-	-	-	-	1.23	1.11	0.99	0.88	0.78	0.69	0.60
1.0	-	-	-	-	-	1.27	1.14	1.02	0.91	0.82	0.73	0.65	0.56
0.0	-	-	-	-	1.44	1.24	1.09	0.97	0.86	0.77	0.69	0.62	-
-1.0	-	-	2.19	1.75	1.45	1.24	1.08	0.95	0.84	0.76	0.68	-	-
-2.0	-	-	2.20	1.78	1.48	1.26	1.10	0.96	0.86	0.77	-	-	-
-3.0	-	-	-	-	1.55	1.32	1.15	1.01	0.91	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>3cL</b>	<b>RAIL</b>	+/- 40° - +/- 60° Over Osc End		<b>90%</b>
	 50 - 150mm			

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.83	2.31	-	-	-	-
6.0	-	-	-	-	-	-	-	2.82	2.34	1.93	-	-	-
5.0	-	-	-	-	-	-	3.19	2.69	2.25	1.88	1.56	-	-
4.0	-	-	-	-	4.10	3.45	2.92	2.48	2.09	1.77	1.49	1.24	-
3.0	-	-	-	-	-	3.01	2.61	2.23	1.90	1.62	1.38	1.16	0.96
2.0	-	-	-	-	-	-	2.32	2.00	1.72	1.48	1.27	1.08	0.91
1.0	-	-	-	-	-	2.49	2.13	1.84	1.59	1.37	1.18	1.01	0.86
0.0	-	-	-	-	2.95	2.44	2.05	1.75	1.50	1.29	1.12	0.96	-
-1.0	-	-	4.98	3.74	2.98	2.44	2.03	1.71	1.47	1.26	1.10	-	-
-2.0	-	-	5.00	3.80	3.04	2.49	2.06	1.74	1.49	1.29	-	-	-
-3.0	-	-	-	-	3.15	2.59	2.15	1.83	1.59	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	18 of 24

# RATED LIFT CAPACITY CHART

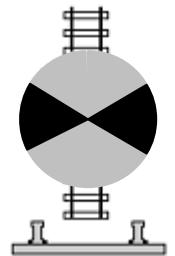
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>3dU</b>	<b>RAIL</b>	+/- 60° - +/- 120°		<b>67%</b>
	 50 - 150mm			

### RADIUS

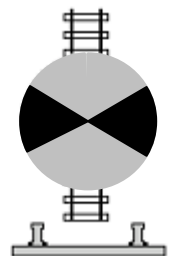
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.38	1.12	-	-	-	-
6.0	-	-	-	-	-	-	-	1.37	1.15	0.95	-	-	-
5.0	-	-	-	-	-	-	1.54	1.29	1.09	0.92	0.77	-	-
4.0	-	-	-	-	1.87	1.60	1.36	1.17	1.00	0.85	0.72	0.60	-
3.0	-	-	-	-	-	1.32	1.17	1.02	0.88	0.76	0.66	0.53	0.39
2.0	-	-	-	-	-	-	1.00	0.88	0.78	0.68	0.58	0.45	0.34
1.0	-	-	-	-	-	1.01	0.89	0.79	0.69	0.61	0.49	0.39	0.29
0.0	-	-	-	-	1.16	0.97	0.84	0.73	0.64	0.54	0.44	0.35	-
-1.0	-	-	1.92	1.46	1.17	0.97	0.83	0.71	0.62	0.51	0.42	-	-
-2.0	-	-	1.93	1.50	1.21	1.00	0.85	0.73	0.63	0.54	-	-	-
-3.0	-	-	-	-	1.28	1.06	0.90	0.78	0.70	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>3dL</b>	<b>RAIL</b>	+/- 60° - +/- 120°		<b>90%</b>
	 50 - 150mm			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.59	2.10	-	-	-	-
6.0	-	-	-	-	-	-	-	2.57	2.13	1.76	-	-	-
5.0	-	-	-	-	-	-	2.91	2.44	2.04	1.71	1.42	-	-
4.0	-	-	-	-	3.66	3.11	2.65	2.24	1.89	1.60	1.34	1.11	-
3.0	-	-	-	-	-	2.70	2.33	2.00	1.71	1.46	1.24	1.04	0.86
2.0	-	-	-	-	-	-	2.06	1.79	1.54	1.33	1.14	0.97	0.81
1.0	-	-	-	-	-	2.19	1.89	1.63	1.41	1.22	1.05	0.90	0.76
0.0	-	-	-	-	2.59	2.14	1.80	1.54	1.33	1.15	0.99	0.85	-
-1.0	-	-	4.25	3.25	2.62	2.14	1.78	1.51	1.30	1.12	0.97	-	-
-2.0	-	-	4.27	3.31	2.68	2.18	1.82	1.54	1.32	1.14	-	-	-
-3.0	-	-	-	-	2.78	2.28	1.91	1.62	1.42	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	19 of 24

# RATED LIFT CAPACITY CHART

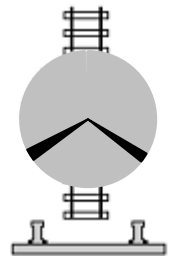
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>3eU</b>	<b>RAIL</b>	+/- 120° - +/- 130° Over Fixed End		<b>67%</b>
	 50 - 150mm			

### RADIUS

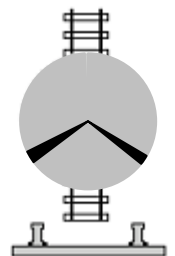
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.61	1.35	-	-	-	-
6.0	-	-	-	-	-	-	-	1.60	1.37	1.17	-	-	-
5.0	-	-	-	-	-	-	1.77	1.53	1.32	1.14	0.98	-	-
4.0	-	-	-	-	2.13	1.86	1.62	1.41	1.23	1.08	0.94	0.81	-
3.0	-	-	-	-	-	1.60	1.43	1.27	1.13	0.99	0.88	0.77	0.66
2.0	-	-	-	-	-	-	1.28	1.15	1.03	0.91	0.81	0.72	0.63
1.0	-	-	-	-	-	1.32	1.18	1.06	0.95	0.85	0.76	0.68	0.60
0.0	-	-	-	-	1.49	1.29	1.13	1.01	0.90	0.81	0.72	0.65	-
-1.0	-	-	2.26	1.81	1.50	1.29	1.12	0.99	0.88	0.79	0.71	-	-
-2.0	-	-	2.27	1.84	1.54	1.31	1.14	1.00	0.89	0.80	-	-	-
-3.0	-	-	-	-	1.60	1.37	1.19	1.05	0.95	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>3eL</b>	<b>RAIL</b>	+/- 120° - +/- 130° Over Fixed End		<b>90%</b>
	 50 - 150mm			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	3.36	2.86	-	-	-	-
6.0	-	-	-	-	-	-	-	3.35	2.89	2.48	-	-	-
5.0	-	-	-	-	-	-	3.75	3.24	2.82	2.43	2.09	-	-
4.0	-	-	-	-	4.71	4.05	3.51	3.06	2.68	2.33	2.02	1.75	-
3.0	-	-	-	-	-	3.66	3.23	2.85	2.51	2.20	1.92	1.68	1.46
2.0	-	-	-	-	-	-	2.99	2.66	2.34	2.06	1.82	1.60	1.40
1.0	-	-	-	-	-	3.21	2.84	2.51	2.21	1.96	1.73	1.54	1.36
0.0	-	-	-	-	3.70	3.17	2.77	2.42	2.13	1.89	1.68	1.49	-
-1.0	-	-	5.70	4.51	3.72	3.17	2.75	2.39	2.10	1.86	1.66	-	-
-2.0	-	-	5.54b	4.56	3.77	3.21	2.78	2.42	2.12	1.88	-	-	-
-3.0	-	-	-	-	3.87	3.29	2.86	2.50	2.22	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	20 of 24

# RATED LIFT CAPACITY CHART

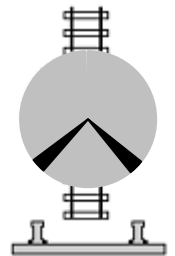
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>3fU</b>	<b>RAIL</b>	+/- 130° - +/- 140° Over Fixed End		<b>67%</b>
	 50 - 150mm			

### RADIUS

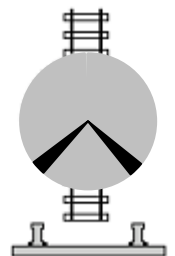
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.74	1.47	-	-	-	-
6.0	-	-	-	-	-	-	-	1.73	1.49	1.28	-	-	-
5.0	-	-	-	-	-	-	1.92	1.66	1.44	1.25	1.08	-	-
4.0	-	-	-	-	2.31	2.02	1.76	1.54	1.35	1.19	1.04	0.91	-
3.0	-	-	-	-	-	1.76	1.58	1.40	1.25	1.11	0.98	0.86	0.75
2.0	-	-	-	-	-	-	1.42	1.28	1.15	1.03	0.92	0.82	0.72
1.0	-	-	-	-	-	1.48	1.32	1.19	1.07	0.96	0.86	0.77	0.69
0.0	-	-	-	-	1.67	1.45	1.28	1.14	1.02	0.92	0.83	0.75	-
-1.0	-	-	2.50	2.01	1.68	1.45	1.27	1.12	1.00	0.90	0.81	-	-
-2.0	-	-	2.51	2.05	1.72	1.47	1.28	1.13	1.01	0.91	-	-	-
-3.0	-	-	-	-	1.78	1.53	1.33	1.18	1.07	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>3fL</b>	<b>RAIL</b>	+/- 130° - +/- 140° Over Fixed End		<b>90%</b>
	 50 - 150mm			

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	3.90	3.29	-	-	-	-
6.0	-	-	-	-	-	-	-	3.88	3.33	2.86	-	-	-
5.0	-	-	-	-	-	-	4.40	3.76	3.24	2.82	2.43	-	-
4.0	-	-	-	-	5.76	4.85	4.13	3.56	3.10	2.71	2.35	2.03	-
3.0	-	-	-	-	-	4.40	3.82	3.33	2.93	2.57	2.24	1.95	1.69
2.0	-	-	-	-	-	-	3.55	3.12	2.76	2.42	2.13	1.87	1.64
1.0	-	-	-	-	-	3.89	3.38	2.97	2.63	2.31	2.04	1.80	1.59
0.0	-	-	-	-	4.58	3.83	3.30	2.89	2.54	2.23	1.97	1.75	-
-1.0	-	-	6.09b	5.73	4.60	3.83	3.28	2.86	2.50	2.20	1.95	-	-
-2.0	-	-	5.54b	5.80	4.66	3.88	3.31	2.88	2.52	2.23	-	-	-
-3.0	-	-	-	-	4.31b	3.98	3.40	2.96	2.63	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<b>NOTES</b>	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

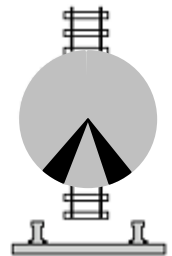
# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>3gU</b>	<b>RAIL</b>	+/- 140° - +/- 160° Over Fixed End		<b>67%</b>
	 50 - 150mm			

### RADIUS

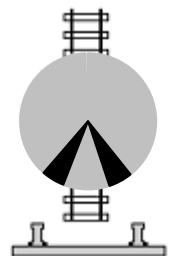
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.01	1.72	-	-	-	-
6.0	-	-	-	-	-	-	-	2.00	1.74	1.51	-	-	-
5.0	-	-	-	-	-	-	2.22	1.93	1.69	1.48	1.30	-	-
4.0	-	-	-	-	2.69	2.35	2.06	1.81	1.60	1.42	1.25	1.10	-
3.0	-	-	-	-	-	2.09	1.88	1.67	1.49	1.33	1.19	1.06	0.94
2.0	-	-	-	-	-	-	1.72	1.55	1.39	1.25	1.13	1.01	0.91
1.0	-	-	-	-	-	1.81	1.62	1.46	1.32	1.19	1.08	0.97	0.88
0.0	-	-	-	-	2.04	1.78	1.57	1.41	1.27	1.15	1.04	0.95	-
-1.0	-	-	3.00	2.44	2.06	1.78	1.56	1.39	1.25	1.13	1.03	-	-
-2.0	-	-	3.01	2.47	2.09	1.80	1.58	1.40	1.26	1.14	-	-	-
-3.0	-	-	-	-	2.15	1.86	1.63	1.45	1.32	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>3gL</b>	<b>RAIL</b>	+/- 140° - +/- 160° Over Fixed End		<b>75%</b>
	 50 - 150mm			

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.25	3.72	-	-	-	-
6.0	-	-	-	-	-	-	-	4.24	3.74	3.32	-	-	-
5.0	-	-	-	-	-	-	4.71	4.15	3.68	3.29	2.94	-	-
4.0	-	-	-	-	5.92	5.15	4.52	4.01	3.57	3.21	2.89	2.61	-
3.0	-	-	-	-	-	4.83	4.30	3.84	3.45	3.11	2.82	2.56	2.33
2.0	-	-	-	-	-	-	4.11	3.69	3.33	3.02	2.75	2.51	2.29
1.0	-	-	-	-	-	4.48	3.99	3.58	3.24	2.94	2.68	2.46	2.26
0.0	-	-	-	-	5.12	4.45	3.93	3.52	3.18	2.89	2.64	2.42	-
-1.0	-	-	6.09b	6.08	5.14	4.45	3.92	3.50	3.16	2.87	2.63	-	-
-2.0	-	-	5.54b	6.04b	5.18	4.48	3.94	3.51	3.17	2.88	-	-	-
-3.0	-	-	-	-	4.31b	4.21b	3.96b	3.56b	2.93b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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

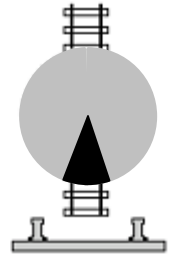
# RIS 1530



Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>3hU</b>	<b>RAIL</b>	+/- 20° Over Fixed End		<b>67%</b>
	 50 - 150mm			

### RADIUS

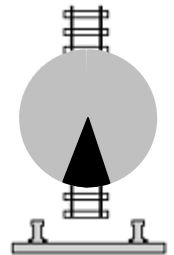
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	4.22	3.73a	-	-	-	-
6.0	-	-	-	-	-	-	-	4.21	3.76	3.37	-	-	-
5.0	-	-	-	-	-	-	4.64	4.13	3.71	3.34	3.03	-	-
4.0	-	-	-	-	5.72	5.04	4.48	4.02	3.62	3.28	2.98	2.72	-
3.0	-	-	-	-	-	4.79	4.30	3.88	3.51	3.20	2.92	2.68	2.45
2.0	-	-	-	-	-	-	4.14	3.75	3.41	3.12	2.86	2.63	2.42
1.0	-	-	-	-	-	4.50	4.04	3.66	3.34	3.05	2.81	2.59	2.39
0.0	-	-	-	-	5.07	4.47	4.00	3.61	3.29	3.01	2.77	2.56	-
-1.0	-	-	6.09b	5.90	5.09	4.47	3.99	3.60	3.27	2.99	2.76	-	-
-2.0	-	-	5.54b	5.94	5.12	4.50	4.00	3.61	3.28	3.01	-	-	-
-3.0	-	-	-	-	4.31b	4.21b	3.96b	3.56b	2.93b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>3hL</b>	<b>RAIL</b>	+/- 20° Over Fixed End		<b>75%</b>
	 50 - 150mm			

### 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	8.00
HEIGHT 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	5.23	3.73a	-	-	-	-
6.0	-	-	-	-	-	-	-	5.22	4.61	4.10	-	-	-
5.0	-	-	-	-	-	-	5.83	5.13	4.55	4.07	3.65	-	-
4.0	-	-	-	-	7.43	6.43	5.63	4.98	4.44	3.99	3.60	3.26	-
3.0	-	-	-	-	-	6.10	5.39	4.80	4.31	3.89	3.53	3.21	2.93
2.0	-	-	-	-	-	-	5.19	4.65	4.19	3.79	3.45	3.15	2.89
1.0	-	-	-	-	-	5.73	5.07	4.53	4.09	3.71	3.38	3.10	2.85
0.0	-	-	-	-	6.59	5.69	5.01	4.47	4.03	3.66	3.34	3.07	-
-1.0	-	-	6.09b	7.22b	6.60	5.69	5.00	4.45	4.01	3.64	3.33	-	-
-2.0	-	-	5.54b	6.04b	6.10b	5.72	5.02	4.47	4.02	3.65	-	-	-
-3.0	-	-	-	-	4.31b	4.21b	3.96b	3.56b	2.93b	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<b>NOTES</b>	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	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom

Duty	Config	Sector	Osc Axle	Safety
<b>4aU</b>	<b>RAIL</b>	360.0°		67%
	151 - 178mm			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.26	1.01	-	-	-	-
6.0	-	-	-	-	-	-	-	1.25	1.03	0.85	-	-	-
5.0	-	-	-	-	-	-	1.39	1.17	0.98	0.82	0.68	-	-
4.0	-	-	-	-	1.67	1.43	1.22	1.04	0.89	0.75	0.63	0.47	-
3.0	-	-	-	-	-	1.16	1.03	0.90	0.78	0.67	0.55	0.41	0.28
2.0	-	-	-	-	-	-	0.86	0.76	0.67	0.57	0.45	0.33	0.23
1.0	-	-	-	-	-	0.86	0.76	0.67	0.58	0.47	0.36	0.27	0.18
0.0	-	-	-	-	0.98	0.82	0.71	0.62	0.50	0.40	0.31	0.23	-
-1.0	-	-	1.65	1.25	1.00	0.82	0.70	0.59	0.47	0.37	0.29	-	-
-2.0	-	-	1.66	1.29	1.03	0.85	0.71	0.61	0.49	0.40	-	-	-
-3.0	-	-	-	-	1.10	0.91	0.77	0.66	0.58	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
<b>4aL</b>	<b>RAIL</b>	360.0°		75%
	151 - 178mm			

### 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	8.00
<b>HEIGHT</b> 8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.82	1.53	-	-	-	-
6.0	-	-	-	-	-	-	-	1.81	1.55	1.32	-	-	-
5.0	-	-	-	-	-	-	2.01	1.73	1.49	1.29	1.11	-	-
4.0	-	-	-	-	2.41	2.10	1.83	1.60	1.39	1.22	1.06	0.92	-
3.0	-	-	-	-	-	1.82	1.62	1.44	1.28	1.13	0.99	0.86	0.71
2.0	-	-	-	-	-	-	1.45	1.30	1.16	1.04	0.92	0.79	0.66
1.0	-	-	-	-	-	1.50	1.34	1.20	1.08	0.97	0.85	0.73	0.61
0.0	-	-	-	-	1.69	1.46	1.29	1.15	1.02	0.92	0.80	0.69	-
-1.0	-	-	2.56	2.05	1.71	1.46	1.28	1.13	1.00	0.90	0.78	-	-
-2.0	-	-	2.58	2.09	1.75	1.49	1.29	1.14	1.02	0.91	-	-	-
-3.0	-	-	-	-	1.82	1.55	1.35	1.20	1.08	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



<b>NOTES</b>	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).
<b>PAGE</b>	24 of 24