

ROADRAILER

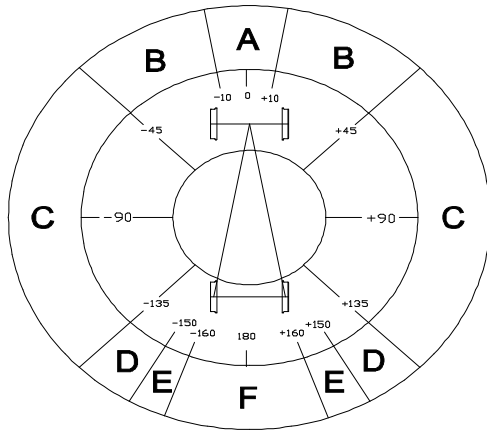
by REXQUOTE

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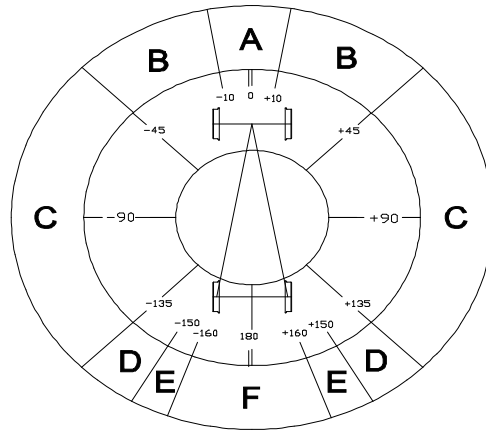
TEL:01823 433398

Oscillating Axle



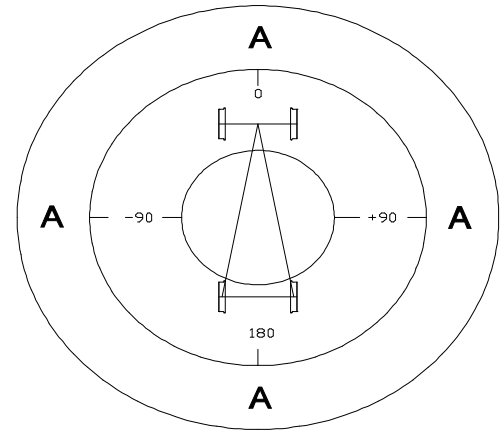
Fixed Axle
Road Duties

Oscillating Axle



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

Oscillating Axle



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

Machine fitted with permanently attached Quick Hitch

Tandem Quick Hitch Lifting Eye Charts

| | | |
|----------------------|-------------------|---------------------|
| Machine Type: | _____ | Komatsu PW160 |
| Serial Number: | _____ | H55146 |
| Rail Axle Number: | _____ | 2305 |
| Network Rail Number: | _____ | 99709 940711-3 |
| Equipment: | _____ | Boom 5.15m Arm 2.1m |
| Date: | _____ | 20th June 2017 |
| Issue: | _____ | 2 |
| Software Versions: | Safety Controller | V1.26.0.20 |
| | I/O Controller 1 | V1.26.0.20 |
| | I/O Controller 2 | V1.26.0.20 |
| | MMI | V1.26.0.20 |



This machine is equipped with a PME Rated Capacity Indicator. This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 6

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.



Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity. Loads marked 'c' indicates a capped SWL.

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

| | | | |
|--------------|------------------|------------------|---------------|
| Machine Type | PW160 Basic Mono | Equipment | 5.15m + 2.10m |
| Issue Date | 20/06/2017 | Reference | RRV126 / 2305 |
| System Type | PME RAIL | Additional Info. | Monoboom |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-------------------------|---|--------|-----------|---|
| 1AU | Hitch | ROAD | +/- 10° Over Osc End |  | 71% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|------|-------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 2.94 | 2.57 | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.56 | 2.27 | 2.00 | 1.70 | - | - | - |
| 6.00 | - | - | - | - | - | 2.57 | 2.27 | 2.01 | 1.75 | 1.51 | - | - |
| 5.00 | - | - | - | - | 2.99 | 2.58 | 2.27 | 1.97 | 1.72 | 1.51 | 1.33 | - |
| 4.00 | - | 5.28 | 4.19 | 3.52 | 2.98 | 2.53 | 2.18 | 1.90 | 1.67 | 1.47 | 1.30 | 1.15 |
| 3.00 | - | - | 3.90 | 3.26 | 2.76 | 2.37 | 2.06 | 1.81 | 1.60 | 1.42 | 1.26 | 1.12 |
| 2.00 | - | - | - | 2.96 | 2.54 | 2.21 | 1.94 | 1.71 | 1.52 | 1.36 | 1.22 | 1.09 |
| 1.00 | - | - | 2.83a | 2.76 | 2.38 | 2.07 | 1.83 | 1.62 | 1.45 | 1.30 | 1.17 | 1.06 |
| 0.00 | - | - | 3.18 | 2.66 | 2.28 | 1.98 | 1.75 | 1.56 | 1.40 | 1.26 | 1.14 | 1.03 |
| -1.00 | 2.75a | 3.81a | 3.20 | 2.67 | 2.26 | 1.95 | 1.71 | 1.52 | 1.36 | 1.23 | 1.11 | 1.02 |
| -2.00 | 4.48a | 4.17a | 3.31 | 2.71 | 2.28 | 1.96 | 1.72 | 1.52 | 1.36 | 1.24 | 1.12 | - |
| -3.00 | 5.82b | 4.34 | 3.39 | 2.77 | 2.32 | 2.00 | 1.75 | 1.58 | 1.40 | - | - | - |
| -4.00 | 5.47b | 4.31 | 3.43 | 2.84 | 2.41 | 2.08 | 1.81 | 1.58 | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-----------------------------------|--|--------|-----------|--|
| 1BU | Hitch | ROAD | +/- 10° - +/- 45° Over Osc End |  | 71% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 1.76 | 1.53 | 1.32 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.52 | 1.35 | 1.17 | 0.95 | - | - | - |
| 6.00 | - | - | - | - | - | 1.53 | 1.35 | 1.18 | 0.99 | 0.82 | - | - |
| 5.00 | - | - | - | - | 1.80 | 1.55 | 1.35 | 1.14 | 0.96 | 0.82 | 0.69 | - |
| 4.00 | - | 3.21 | 2.53 | 2.14 | 1.79 | 1.49 | 1.25 | 1.07 | 0.91 | 0.78 | 0.66 | 0.56 |
| 3.00 | - | - | 2.24 | 1.88 | 1.57 | 1.34 | 1.14 | 0.98 | 0.84 | 0.73 | 0.62 | 0.53 |
| 2.00 | - | - | - | 1.58 | 1.36 | 1.17 | 1.01 | 0.88 | 0.77 | 0.67 | 0.58 | 0.50 |
| 1.00 | - | - | 1.58 | 1.37 | 1.19 | 1.04 | 0.91 | 0.79 | 0.70 | 0.61 | 0.53 | 0.46 |
| 0.00 | - | - | 1.52 | 1.28 | 1.09 | 0.95 | 0.83 | 0.73 | 0.64 | 0.56 | 0.50 | 0.44 |
| -1.00 | 2.74 | 1.98 | 1.55 | 1.29 | 1.07 | 0.92 | 0.79 | 0.69 | 0.61 | 0.54 | 0.47 | 0.42 |
| -2.00 | 2.88 | 2.13 | 1.65 | 1.32 | 1.09 | 0.92 | 0.79 | 0.69 | 0.61 | 0.55 | 0.48 | - |
| -3.00 | 3.15 | 2.26 | 1.73 | 1.38 | 1.13 | 0.97 | 0.83 | 0.75 | 0.65 | - | - | - |
| -4.00 | 3.29b | 2.40 | 1.85 | 1.49 | 1.25 | 1.08 | 0.90 | 0.75 | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|--------------------|---|--------|-----------|---|
| 1CU | Hitch | ROAD | +/- 45° - +/- 135° |  | 71% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 2.03 | 1.77 | 1.53 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.76 | 1.57 | 1.36 | 1.13 | - | - | - |
| 6.00 | - | - | - | - | - | 1.77 | 1.57 | 1.37 | 1.17 | 0.98 | - | - |
| 5.00 | - | - | - | - | 2.08 | 1.80 | 1.57 | 1.33 | 1.14 | 0.98 | 0.84 | - |
| 4.00 | - | 3.69 | 2.91 | 2.46 | 2.07 | 1.73 | 1.47 | 1.26 | 1.09 | 0.94 | 0.81 | 0.70 |
| 3.00 | - | - | 2.63 | 2.20 | 1.85 | 1.58 | 1.36 | 1.17 | 1.02 | 0.89 | 0.77 | 0.67 |
| 2.00 | - | - | - | 1.90 | 1.63 | 1.41 | 1.23 | 1.07 | 0.94 | 0.83 | 0.73 | 0.64 |
| 1.00 | - | - | 1.97 | 1.69 | 1.47 | 1.28 | 1.12 | 0.99 | 0.87 | 0.77 | 0.68 | 0.60 |
| 0.00 | - | - | 1.91 | 1.60 | 1.37 | 1.19 | 1.04 | 0.92 | 0.82 | 0.73 | 0.65 | 0.57 |
| -1.00 | 2.75a | 2.46 | 1.94 | 1.61 | 1.35 | 1.16 | 1.01 | 0.88 | 0.78 | 0.70 | 0.62 | 0.56 |
| -2.00 | 3.50a | 2.61 | 2.03 | 1.64 | 1.37 | 1.17 | 1.01 | 0.88 | 0.79 | 0.71 | 0.63 | - |
| -3.00 | 3.80 | 2.75 | 2.11 | 1.70 | 1.41 | 1.21 | 1.05 | 0.94 | 0.82 | - | - | - |
| -4.00 | 3.87b | 2.88 | 2.24 | 1.82 | 1.52 | 1.32 | 1.12 | 0.94 | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 1DU | Hitch | ROAD | +/- 135° - +/- 150° Over Fixed End |  | 71% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.48a | 2.82a | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.47b | 3.43a | 2.78a | 1.80a | - | - | - |
| 6.00 | - | - | - | - | - | 3.38b | 3.28b | 3.10 | 2.80 | 2.33a | - | - |
| 5.00 | - | - | - | - | 3.96b | 3.67b | 3.47b | 3.12 | 2.80 | 2.49 | 2.21 | - |
| 4.00 | - | 6.21k | 5.51b | 4.88b | 4.61b | 4.02 | 3.50 | 3.11 | 2.75 | 2.45 | 2.20 | 1.97 |
| 3.00 | - | - | 6.66 | 5.46b | 4.62 | 3.96 | 3.43 | 3.02 | 2.68 | 2.40 | 2.15 | 1.94 |
| 2.00 | - | - | - | 5.20 | 4.39 | 3.78 | 3.30 | 2.91 | 2.60 | 2.33 | 2.10 | 1.91 |
| 1.00 | - | - | 2.83a | 4.95 | 4.21 | 3.63 | 3.18 | 2.82 | 2.52 | 2.27 | 2.06 | 1.87 |
| 0.00 | - | - | 3.74a | 4.84 | 4.10 | 3.54 | 3.10 | 2.75 | 2.47 | 2.23 | 2.02 | 1.84 |
| -1.00 | 2.75a | 3.81a | 5.15a | 4.84 | 4.08 | 3.51 | 3.06 | 2.71 | 2.43 | 2.20 | 2.00 | 1.83 |
| -2.00 | 4.48a | 5.59a | 5.96 | 4.92 | 4.10 | 3.51 | 3.07 | 2.71 | 2.43 | 2.21 | 2.00 | - |
| -3.00 | 6.28a | 6.43b | 5.70b | 4.89 | 4.11 | 3.54 | 3.09 | 2.74 | 2.46 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.34b | 3.88b | 3.53b | 3.09b | 2.73b | 2.22b | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Prolec Machine Engine Load Chart Builder



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode |  |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 1EU | Hitch | ROAD | +/- 150° - +/- 160° Over Fixed End |  | 71% | Tandem | |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.48a | 2.82a | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.47b | 3.43a | 2.78a | 1.80a | - | - | - |
| 6.00 | - | - | - | - | - | 3.38b | 3.28b | 3.10 | 2.80 | 2.33a | - | - |
| 5.00 | - | - | - | - | 3.96b | 3.67b | 3.47b | 3.12 | 2.80 | 2.49 | 2.21 | - |
| 4.00 | - | 6.21k | 5.51b | 4.88b | 4.61b | 4.02 | 3.50 | 3.11 | 2.75 | 2.45 | 2.20 | 1.97 |
| 3.00 | - | - | 6.66 | 5.46b | 4.62 | 3.96 | 3.43 | 3.02 | 2.68 | 2.40 | 2.15 | 1.94 |
| 2.00 | - | - | - | 5.20 | 4.39 | 3.78 | 3.30 | 2.91 | 2.60 | 2.33 | 2.10 | 1.91 |
| 1.00 | - | - | 2.83a | 4.95 | 4.21 | 3.63 | 3.18 | 2.82 | 2.52 | 2.27 | 2.06 | 1.87 |
| 0.00 | - | - | 3.74a | 4.84 | 4.10 | 3.54 | 3.10 | 2.75 | 2.47 | 2.23 | 2.02 | 1.84 |
| -1.00 | 2.75a | 3.81a | 5.15a | 4.84 | 4.08 | 3.51 | 3.06 | 2.71 | 2.43 | 2.20 | 2.00 | 1.83 |
| -2.00 | 4.48a | 5.59a | 5.96 | 4.92 | 4.10 | 3.51 | 3.07 | 2.71 | 2.43 | 2.21 | 2.00 | - |
| -3.00 | 6.28a | 6.43b | 5.70b | 4.89 | 4.11 | 3.54 | 3.09 | 2.74 | 2.46 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.34b | 3.88b | 3.53b | 3.09b | 2.73b | 2.22b | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode |  |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 1FU | Hitch | ROAD | +/- 160° - +/- 180° Over Fixed End |  | 71% | Tandem | |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.48a | 2.82a | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.47b | 3.43a | 2.78a | 1.80a | - | - | - |
| 6.00 | - | - | - | - | - | 3.38b | 3.28b | 3.10 | 2.80 | 2.33a | - | - |
| 5.00 | - | - | - | - | 3.96b | 3.67b | 3.47b | 3.12 | 2.80 | 2.49 | 2.21 | - |
| 4.00 | - | 6.21k | 5.51b | 4.88b | 4.61b | 4.02 | 3.50 | 3.11 | 2.75 | 2.45 | 2.20 | 1.97 |
| 3.00 | - | - | 6.66 | 5.46b | 4.62 | 3.96 | 3.43 | 3.02 | 2.68 | 2.40 | 2.15 | 1.94 |
| 2.00 | - | - | - | 5.20 | 4.39 | 3.78 | 3.30 | 2.91 | 2.60 | 2.33 | 2.10 | 1.91 |
| 1.00 | - | - | 2.83a | 4.95 | 4.21 | 3.63 | 3.18 | 2.82 | 2.52 | 2.27 | 2.06 | 1.87 |
| 0.00 | - | - | 3.74a | 4.84 | 4.10 | 3.54 | 3.10 | 2.75 | 2.47 | 2.23 | 2.02 | 1.84 |
| -1.00 | 2.75a | 3.81a | 5.15a | 4.84 | 4.08 | 3.51 | 3.06 | 2.71 | 2.43 | 2.20 | 2.00 | 1.83 |
| -2.00 | 4.48a | 5.59a | 5.96 | 4.92 | 4.10 | 3.51 | 3.07 | 2.71 | 2.43 | 2.21 | 2.00 | - |
| -3.00 | 6.28a | 6.43b | 5.70b | 4.89 | 4.11 | 3.54 | 3.09 | 2.74 | 2.46 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.34b | 3.88b | 3.53b | 3.09b | 2.73b | 2.22b | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-------------------------|---|--------|-----------|---|
| 1AL | Hitch | ROAD | +/- 10° Over Osc End |  | 71% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|-------|-------|------|-------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.40 | 2.82a | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.92 | 2.57 | 2.25 | 1.80a | - | - | - |
| 6.00 | - | - | - | - | - | 2.94 | 2.58 | 2.26 | 1.96 | 1.69 | - | - |
| 5.00 | - | - | - | - | 3.45 | 2.94 | 2.58 | 2.22 | 1.93 | 1.69 | 1.48 | - |
| 4.00 | - | 6.21k | 5.02 | 4.13 | 3.44 | 2.89 | 2.47 | 2.14 | 1.88 | 1.65 | 1.46 | 1.29 |
| 3.00 | - | - | 4.71 | 3.85 | 3.20 | 2.73 | 2.35 | 2.05 | 1.80 | 1.60 | 1.42 | 1.26 |
| 2.00 | - | - | - | 3.51 | 2.97 | 2.55 | 2.22 | 1.95 | 1.72 | 1.53 | 1.37 | 1.23 |
| 1.00 | - | - | 2.83a | 3.29 | 2.79 | 2.40 | 2.10 | 1.85 | 1.65 | 1.47 | 1.32 | 1.19 |
| 0.00 | - | - | 3.74a | 3.18 | 2.68 | 2.31 | 2.02 | 1.78 | 1.59 | 1.43 | 1.29 | 1.16 |
| -1.00 | 2.75a | 3.81a | 3.88a | 3.20 | 2.66 | 2.28 | 1.98 | 1.75 | 1.56 | 1.40 | 1.26 | 1.15 |
| -2.00 | 4.48a | 5.14 | 4.04 | 3.23 | 2.68 | 2.28 | 1.98 | 1.75 | 1.56 | 1.41 | 1.27 | - |
| -3.00 | 6.28a | 5.37 | 4.13 | 3.30 | 2.73 | 2.33 | 2.02 | 1.80 | 1.60 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.09 | 3.33 | 2.79 | 2.38 | 2.07 | 1.81 | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-----------------------------------|---|--------|-----------|---|
| 1BL | Hitch | ROAD | +/- 10° - +/- 45° Over Osc End |  | 71% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|------|-------|-------|------|-------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.34 | 2.82a | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.84 | 2.48 | 2.15 | 1.80a | - | - | - |
| 6.00 | - | - | - | - | - | 2.85 | 2.49 | 2.17 | 1.86 | 1.60 | - | - |
| 5.00 | - | - | - | - | 3.39 | 2.86 | 2.49 | 2.13 | 1.83 | 1.60 | 1.39 | - |
| 4.00 | - | 6.21k | 5.09 | 4.11 | 3.38 | 2.81 | 2.38 | 2.04 | 1.78 | 1.55 | 1.36 | 1.20 |
| 3.00 | - | - | 4.75 | 3.81 | 3.13 | 2.63 | 2.25 | 1.95 | 1.70 | 1.50 | 1.32 | 1.17 |
| 2.00 | - | - | - | 3.45 | 2.88 | 2.45 | 2.11 | 1.84 | 1.62 | 1.43 | 1.27 | 1.13 |
| 1.00 | - | - | 2.83a | 3.21 | 2.69 | 2.30 | 1.99 | 1.74 | 1.54 | 1.37 | 1.22 | 1.10 |
| 0.00 | - | - | 3.74a | 3.10 | 2.57 | 2.19 | 1.90 | 1.67 | 1.48 | 1.32 | 1.18 | 1.07 |
| -1.00 | 2.75a | 3.81a | 3.86 | 3.11 | 2.55 | 2.16 | 1.86 | 1.63 | 1.45 | 1.29 | 1.16 | 1.05 |
| -2.00 | 4.48a | 5.27 | 4.02 | 3.15 | 2.57 | 2.17 | 1.87 | 1.63 | 1.45 | 1.30 | 1.17 | - |
| -3.00 | 6.28a | 5.47 | 4.12 | 3.22 | 2.62 | 2.22 | 1.91 | 1.69 | 1.49 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.07 | 3.26b | 2.69 | 2.28 | 1.96 | 1.69 | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|--------------------|---|--------|-----------|---|
| 1CL | Hitch | ROAD | +/- 45° - +/- 135° |  | 71% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|------|-------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.29 | 2.81 | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.80 | 2.44 | 2.12 | 1.78 | - | - | - |
| 6.00 | - | - | - | - | - | 2.81 | 2.45 | 2.13 | 1.83 | 1.57 | - | - |
| 5.00 | - | - | - | - | 3.34 | 2.82 | 2.45 | 2.09 | 1.80 | 1.57 | 1.36 | - |
| 4.00 | - | 6.21k | 5.02 | 4.05 | 3.33 | 2.77 | 2.34 | 2.01 | 1.75 | 1.53 | 1.34 | 1.18 |
| 3.00 | - | - | 4.67 | 3.75 | 3.08 | 2.59 | 2.21 | 1.92 | 1.67 | 1.47 | 1.30 | 1.15 |
| 2.00 | - | - | - | 3.39 | 2.83 | 2.41 | 2.07 | 1.81 | 1.59 | 1.40 | 1.25 | 1.11 |
| 1.00 | - | - | 2.83a | 3.15 | 2.64 | 2.25 | 1.95 | 1.71 | 1.51 | 1.34 | 1.20 | 1.07 |
| 0.00 | - | - | 3.74a | 3.04 | 2.52 | 2.15 | 1.87 | 1.64 | 1.45 | 1.29 | 1.16 | 1.04 |
| -1.00 | 2.75a | 3.81a | 3.79 | 3.05 | 2.51 | 2.12 | 1.83 | 1.60 | 1.42 | 1.26 | 1.14 | 1.03 |
| -2.00 | 4.48a | 5.17 | 3.94 | 3.09 | 2.52 | 2.13 | 1.83 | 1.60 | 1.42 | 1.28 | 1.14 | - |
| -3.00 | 6.28a | 5.43 | 4.04 | 3.16 | 2.57 | 2.17 | 1.87 | 1.66 | 1.46 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.02 | 3.21 | 2.65 | 2.24 | 1.94 | 1.66 | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 1DL | Hitch | ROAD | +/- 135° - +/- 150° Over Fixed End |  | 71% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.48a | 2.82a | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.47b | 3.43a | 2.78a | 1.80a | - | - | - |
| 6.00 | - | - | - | - | - | 3.38b | 3.28b | 3.10 | 2.80 | 2.33a | - | - |
| 5.00 | - | - | - | - | 3.96b | 3.67b | 3.47b | 3.12 | 2.80 | 2.49 | 2.21 | - |
| 4.00 | - | 6.21k | 5.51b | 4.88b | 4.61b | 4.02 | 3.50 | 3.11 | 2.75 | 2.45 | 2.20 | 1.97 |
| 3.00 | - | - | 6.66 | 5.46b | 4.62 | 3.96 | 3.43 | 3.02 | 2.68 | 2.40 | 2.15 | 1.94 |
| 2.00 | - | - | - | 5.20 | 4.39 | 3.78 | 3.30 | 2.91 | 2.60 | 2.33 | 2.10 | 1.91 |
| 1.00 | - | - | 2.83a | 4.95 | 4.21 | 3.63 | 3.18 | 2.82 | 2.52 | 2.27 | 2.06 | 1.87 |
| 0.00 | - | - | 3.74a | 4.84 | 4.10 | 3.54 | 3.10 | 2.75 | 2.47 | 2.23 | 2.02 | 1.84 |
| -1.00 | 2.75a | 3.81a | 5.15a | 4.84 | 4.08 | 3.51 | 3.06 | 2.71 | 2.43 | 2.20 | 2.00 | 1.83 |
| -2.00 | 4.48a | 5.59a | 5.96 | 4.92 | 4.10 | 3.51 | 3.07 | 2.71 | 2.43 | 2.21 | 2.00 | - |
| -3.00 | 6.28a | 6.43b | 5.70b | 4.89 | 4.11 | 3.54 | 3.09 | 2.74 | 2.46 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.34b | 3.88b | 3.53b | 3.09b | 2.73b | 2.22b | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

Prolec Machine Engine Load Chart Builder



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode |  |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 1EL | Hitch | ROAD | +/- 150° - +/- 160° Over Fixed End |  | 71% | Tandem | |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.48a | 2.82a | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.47b | 3.43a | 2.78a | 1.80a | - | - | - |
| 6.00 | - | - | - | - | - | 3.38b | 3.28b | 3.10 | 2.80 | 2.33a | - | - |
| 5.00 | - | - | - | - | 3.96b | 3.67b | 3.47b | 3.12 | 2.80 | 2.49 | 2.21 | - |
| 4.00 | - | 6.21k | 5.51b | 4.88b | 4.61b | 4.02 | 3.50 | 3.11 | 2.75 | 2.45 | 2.20 | 1.97 |
| 3.00 | - | - | 6.66 | 5.46b | 4.62 | 3.96 | 3.43 | 3.02 | 2.68 | 2.40 | 2.15 | 1.94 |
| 2.00 | - | - | - | 5.20 | 4.39 | 3.78 | 3.30 | 2.91 | 2.60 | 2.33 | 2.10 | 1.91 |
| 1.00 | - | - | 2.83a | 4.95 | 4.21 | 3.63 | 3.18 | 2.82 | 2.52 | 2.27 | 2.06 | 1.87 |
| 0.00 | - | - | 3.74a | 4.84 | 4.10 | 3.54 | 3.10 | 2.75 | 2.47 | 2.23 | 2.02 | 1.84 |
| -1.00 | 2.75a | 3.81a | 5.15a | 4.84 | 4.08 | 3.51 | 3.06 | 2.71 | 2.43 | 2.20 | 2.00 | 1.83 |
| -2.00 | 4.48a | 5.59a | 5.96 | 4.92 | 4.10 | 3.51 | 3.07 | 2.71 | 2.43 | 2.21 | 2.00 | - |
| -3.00 | 6.28a | 6.43b | 5.70b | 4.89 | 4.11 | 3.54 | 3.09 | 2.74 | 2.46 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.34b | 3.88b | 3.53b | 3.09b | 2.73b | 2.22b | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode |  |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 1FL | Hitch | ROAD | +/- 160° - +/- 180° Over Fixed End |  | 71% | Tandem | |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.48a | 2.82a | 1.71a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.47b | 3.43a | 2.78a | 1.80a | - | - | - |
| 6.00 | - | - | - | - | - | 3.38b | 3.28b | 3.10 | 2.80 | 2.33a | - | - |
| 5.00 | - | - | - | - | 3.96b | 3.67b | 3.47b | 3.12 | 2.80 | 2.49 | 2.21 | - |
| 4.00 | - | 6.21k | 5.51b | 4.88b | 4.61b | 4.02 | 3.50 | 3.11 | 2.75 | 2.45 | 2.20 | 1.97 |
| 3.00 | - | - | 6.66 | 5.46b | 4.62 | 3.96 | 3.43 | 3.02 | 2.68 | 2.40 | 2.15 | 1.94 |
| 2.00 | - | - | - | 5.20 | 4.39 | 3.78 | 3.30 | 2.91 | 2.60 | 2.33 | 2.10 | 1.91 |
| 1.00 | - | - | 2.83a | 4.95 | 4.21 | 3.63 | 3.18 | 2.82 | 2.52 | 2.27 | 2.06 | 1.87 |
| 0.00 | - | - | 3.74a | 4.84 | 4.10 | 3.54 | 3.10 | 2.75 | 2.47 | 2.23 | 2.02 | 1.84 |
| -1.00 | 2.75a | 3.81a | 5.15a | 4.84 | 4.08 | 3.51 | 3.06 | 2.71 | 2.43 | 2.20 | 2.00 | 1.83 |
| -2.00 | 4.48a | 5.59a | 5.96 | 4.92 | 4.10 | 3.51 | 3.07 | 2.71 | 2.43 | 2.21 | 2.00 | - |
| -3.00 | 6.28a | 6.43b | 5.70b | 4.89 | 4.11 | 3.54 | 3.09 | 2.74 | 2.46 | - | - | - |
| -4.00 | 5.47b | 4.80b | 4.34b | 3.88b | 3.53b | 3.09b | 2.73b | 2.22b | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-------------------------|---|--------|-----------|---|
| 2AU | Hitch | RAIL | +/- 10° Over Osc End |  | 67% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|------|-------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 2.95 | 2.59 | 2.29a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.58 | 2.29 | 2.03 | 1.76 | - | - | - |
| 6.00 | - | - | - | - | - | 2.60 | 2.30 | 2.03 | 1.77 | 1.55 | - | - |
| 5.00 | - | - | - | - | 3.00 | 2.61 | 2.28 | 1.99 | 1.74 | 1.54 | 1.36 | - |
| 4.00 | - | 5.19 | 4.16 | 3.50 | 2.95 | 2.52 | 2.19 | 1.92 | 1.70 | 1.51 | 1.34 | 1.19 |
| 3.00 | - | - | 3.80 | 3.21 | 2.74 | 2.37 | 2.08 | 1.83 | 1.63 | 1.45 | 1.30 | 1.17 |
| 2.00 | - | - | - | 2.95 | 2.55 | 2.23 | 1.96 | 1.74 | 1.56 | 1.40 | 1.26 | 1.14 |
| 1.00 | - | - | 2.92a | 2.78 | 2.41 | 2.11 | 1.87 | 1.66 | 1.49 | 1.35 | 1.22 | 1.10 |
| 0.00 | - | 2.47a | 3.22 | 2.71 | 2.33 | 2.03 | 1.80 | 1.61 | 1.45 | 1.31 | 1.19 | 1.08 |
| -1.00 | 2.71a | 4.04a | 3.28a | 2.73 | 2.32 | 2.02 | 1.78 | 1.58 | 1.42 | 1.28 | 1.17 | 1.07 |
| -2.00 | 4.78a | 4.25 | 3.36 | 2.76 | 2.34 | 2.03 | 1.78 | 1.59 | 1.43 | 1.30 | 1.17 | - |
| -3.00 | 5.68 | 4.34 | 3.44 | 2.83 | 2.40 | 2.07 | 1.83 | 1.64 | 1.46 | - | - | - |
| -4.00 | 4.93b | 4.28 | 3.44 | 2.87 | 2.44 | 2.12 | 1.87 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-----------------------------------|---|--------|-----------|---|
| 2BU | Hitch | RAIL | +/- 10° - +/- 45° Over Osc End |  | 67% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 1.74 | 1.51 | 1.35 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.51 | 1.34 | 1.16 | 0.97 | - | - | - |
| 6.00 | - | - | - | - | - | 1.53 | 1.34 | 1.16 | 0.98 | 0.82 | - | - |
| 5.00 | - | - | - | - | 1.79 | 1.54 | 1.32 | 1.12 | 0.95 | 0.81 | 0.69 | - |
| 4.00 | - | 3.19 | 2.52 | 2.10 | 1.73 | 1.45 | 1.23 | 1.05 | 0.90 | 0.77 | 0.66 | 0.56 |
| 3.00 | - | - | 2.14 | 1.81 | 1.52 | 1.30 | 1.11 | 0.96 | 0.83 | 0.72 | 0.62 | 0.54 |
| 2.00 | - | - | - | 1.53 | 1.32 | 1.15 | 1.00 | 0.87 | 0.76 | 0.66 | 0.58 | 0.50 |
| 1.00 | - | - | 1.59 | 1.36 | 1.18 | 1.03 | 0.90 | 0.79 | 0.69 | 0.61 | 0.54 | 0.47 |
| 0.00 | - | 1.98 | 1.55 | 1.29 | 1.10 | 0.95 | 0.83 | 0.73 | 0.65 | 0.57 | 0.51 | 0.45 |
| -1.00 | 2.71a | 2.03 | 1.60 | 1.31 | 1.10 | 0.93 | 0.81 | 0.70 | 0.62 | 0.55 | 0.49 | 0.44 |
| -2.00 | 2.95 | 2.20 | 1.69 | 1.35 | 1.12 | 0.95 | 0.82 | 0.71 | 0.63 | 0.57 | 0.49 | - |
| -3.00 | 3.22 | 2.29 | 1.77 | 1.41 | 1.17 | 0.99 | 0.86 | 0.77 | 0.66 | - | - | - |
| -4.00 | 3.28b | 2.44 | 1.90 | 1.54 | 1.30 | 1.10 | 0.91 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|--------------------|---|--------|-----------|---|
| 2CU | Hitch | RAIL | +/- 45° - +/- 135° |  | 67% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 1.51 | 1.33 | 1.19 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.32 | 1.18 | 1.02 | 0.85 | - | - | - |
| 6.00 | - | - | - | - | - | 1.34 | 1.18 | 1.02 | 0.85 | 0.71 | - | - |
| 5.00 | - | - | - | - | 1.56 | 1.35 | 1.16 | 0.98 | 0.83 | 0.70 | 0.59 | - |
| 4.00 | - | 2.70 | 2.16 | 1.83 | 1.51 | 1.27 | 1.07 | 0.91 | 0.78 | 0.66 | 0.56 | 0.47 |
| 3.00 | - | - | 1.80 | 1.54 | 1.31 | 1.12 | 0.96 | 0.82 | 0.71 | 0.61 | 0.53 | 0.45 |
| 2.00 | - | - | - | 1.28 | 1.11 | 0.97 | 0.84 | 0.73 | 0.64 | 0.56 | 0.48 | 0.41 |
| 1.00 | - | - | 1.28 | 1.12 | 0.97 | 0.85 | 0.75 | 0.66 | 0.58 | 0.50 | 0.44 | 0.38 |
| 0.00 | - | 1.57 | 1.25 | 1.05 | 0.90 | 0.78 | 0.68 | 0.60 | 0.53 | 0.47 | 0.41 | 0.36 |
| -1.00 | 2.18 | 1.61 | 1.30 | 1.07 | 0.89 | 0.76 | 0.66 | 0.57 | 0.50 | 0.44 | 0.39 | 0.35 |
| -2.00 | 2.33 | 1.78 | 1.37 | 1.10 | 0.91 | 0.77 | 0.67 | 0.58 | 0.52 | 0.46 | 0.39 | - |
| -3.00 | 2.58 | 1.86 | 1.45 | 1.17 | 0.97 | 0.82 | 0.71 | 0.64 | 0.55 | - | - | - |
| -4.00 | 2.69b | 2.03 | 1.58 | 1.28 | 1.10 | 0.92 | 0.76 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 2DU | Hitch | RAIL | +/- 135° - +/- 150° Over Fixed End |  | 67% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 2.53 | 2.21 | 1.98 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.21 | 1.97 | 1.73 | 1.50 | - | - | - |
| 6.00 | - | - | - | - | - | 2.22 | 1.97 | 1.73 | 1.51 | 1.31 | - | - |
| 5.00 | - | - | - | - | 2.57 | 2.24 | 1.95 | 1.70 | 1.48 | 1.30 | 1.14 | - |
| 4.00 | - | 4.42 | 3.55 | 3.00 | 2.52 | 2.15 | 1.86 | 1.63 | 1.43 | 1.26 | 1.12 | 0.99 |
| 3.00 | - | - | 3.19 | 2.71 | 2.32 | 2.01 | 1.75 | 1.54 | 1.36 | 1.21 | 1.08 | 0.96 |
| 2.00 | - | - | - | 2.45 | 2.13 | 1.86 | 1.64 | 1.45 | 1.29 | 1.16 | 1.04 | 0.93 |
| 1.00 | - | - | 2.67 | 2.29 | 1.98 | 1.74 | 1.54 | 1.37 | 1.23 | 1.10 | 1.00 | 0.90 |
| 0.00 | - | 2.47a | 2.64 | 2.22 | 1.91 | 1.67 | 1.48 | 1.32 | 1.18 | 1.07 | 0.96 | 0.87 |
| -1.00 | 2.71a | 3.30 | 2.69 | 2.24 | 1.90 | 1.65 | 1.45 | 1.29 | 1.16 | 1.04 | 0.95 | 0.86 |
| -2.00 | 4.44 | 3.49 | 2.76 | 2.27 | 1.92 | 1.66 | 1.46 | 1.30 | 1.17 | 1.06 | 0.95 | - |
| -3.00 | 4.75 | 3.58 | 2.84 | 2.34 | 1.98 | 1.71 | 1.51 | 1.35 | 1.20 | - | - | - |
| -4.00 | 4.68 | 3.59b | 2.90b | 2.41 | 2.05 | 1.78 | 1.56 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode |  |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 2EU | Hitch | RAIL | +/- 150° - +/- 160° Over Fixed End |  | 67% | Tandem | |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|------|------|-------|------|-------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.57 | 3.16 | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.16 | 2.84 | 2.54 | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.17 | 2.85 | 2.54 | 2.26 | 2.02 | - | - |
| 5.00 | - | - | - | - | 3.61 | 3.19 | 2.83 | 2.51 | 2.23 | 2.01 | 1.80 | - |
| 4.00 | - | 5.81 | 4.82 | 4.14 | 3.56 | 3.11 | 2.74 | 2.44 | 2.19 | 1.97 | 1.78 | 1.61 |
| 3.00 | - | - | 4.50 | 3.88 | 3.37 | 2.97 | 2.64 | 2.36 | 2.13 | 1.92 | 1.75 | 1.59 |
| 2.00 | - | - | - | 3.64 | 3.20 | 2.83 | 2.53 | 2.27 | 2.06 | 1.87 | 1.71 | 1.56 |
| 1.00 | - | - | 2.92a | 3.49 | 3.07 | 2.72 | 2.44 | 2.20 | 2.00 | 1.82 | 1.67 | 1.53 |
| 0.00 | - | 2.47a | 3.98 | 3.43 | 2.99 | 2.66 | 2.38 | 2.15 | 1.95 | 1.78 | 1.64 | 1.51 |
| -1.00 | 2.71a | 4.04a | 4.00 | 3.45 | 2.99 | 2.64 | 2.36 | 2.12 | 1.93 | 1.76 | 1.62 | 1.50 |
| -2.00 | 4.78a | 5.00 | 4.11 | 3.48 | 3.01 | 2.65 | 2.36 | 2.13 | 1.94 | 1.78 | 1.62 | - |
| -3.00 | 6.22 | 5.03 | 4.17 | 3.54 | 3.06 | 2.69 | 2.41 | 2.17 | 1.97 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.51b | 3.05 | 2.69 | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode |  |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 2FU | Hitch | RAIL | +/- 160° - +/- 180° Over Fixed End |  | 67% | Tandem | |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.34 | 2.98 | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.32b | 3.00 | 2.70 | 2.39 | - | - |
| 5.00 | - | - | - | - | 4.08b | 3.77b | 3.37 | 3.01 | 2.67 | 2.38 | 2.13 | - |
| 4.00 | - | 6.70c | 5.76b | 5.02b | 4.40 | 3.83 | 3.35 | 2.95 | 2.62 | 2.34 | 2.11 | 1.90 |
| 3.00 | - | - | 6.05 | 5.04 | 4.27 | 3.69 | 3.23 | 2.86 | 2.55 | 2.29 | 2.07 | 1.88 |
| 2.00 | - | - | - | 4.76 | 4.07 | 3.53 | 3.11 | 2.76 | 2.48 | 2.23 | 2.03 | 1.84 |
| 1.00 | - | - | 2.92a | 4.57 | 3.92 | 3.41 | 3.01 | 2.68 | 2.41 | 2.18 | 1.98 | 1.81 |
| 0.00 | - | 2.47a | 4.01a | 4.50 | 3.83 | 3.33 | 2.94 | 2.62 | 2.36 | 2.14 | 1.95 | 1.79 |
| -1.00 | 2.71a | 4.04a | 5.43 | 4.53 | 3.83 | 3.32 | 2.91 | 2.60 | 2.33 | 2.12 | 1.93 | 1.68a |
| -2.00 | 4.78a | 5.83a | 5.55 | 4.56 | 3.85 | 3.33 | 2.92 | 2.60 | 2.35 | 2.13 | 1.93a | - |
| -3.00 | 6.51a | 6.10b | 5.46b | 4.55 | 3.87b | 3.36 | 2.95 | 2.62 | 2.36 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-------------------------|---|--------|-----------|---|
| 2AL | Hitch | RAIL | +/- 10° Over Osc End |  | 75% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.39b | 3.04a | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.32b | 3.18 | 2.88 | 2.54 | - | - |
| 5.00 | - | - | - | - | 4.08b | 3.77b | 3.51b | 3.20 | 2.88 | 2.56 | 2.28 | - |
| 4.00 | - | 6.70c | 5.76b | 5.02b | 4.77b | 4.12b | 3.59 | 3.20 | 2.83 | 2.52 | 2.26 | 2.03 |
| 3.00 | - | - | 6.70c | 5.62b | 4.73 | 4.05 | 3.52 | 3.09 | 2.75 | 2.46 | 2.21 | 2.00 |
| 2.00 | - | - | - | 5.30 | 4.49 | 3.87 | 3.38 | 2.99 | 2.66 | 2.39 | 2.16 | 1.96 |
| 1.00 | - | - | 2.92a | 5.07 | 4.31 | 3.72 | 3.26 | 2.89 | 2.59 | 2.33 | 2.11 | 1.92 |
| 0.00 | - | 2.47a | 4.01a | 4.99 | 4.22 | 3.63 | 3.19 | 2.83 | 2.53 | 2.29 | 2.08 | 1.89 |
| -1.00 | 2.71a | 4.04a | 5.54a | 5.03a | 4.21 | 3.61 | 3.16 | 2.79 | 2.50 | 2.26 | 2.06 | 1.68a |
| -2.00 | 4.78a | 5.83a | 6.15 | 5.06 | 4.24 | 3.63 | 3.17 | 2.80 | 2.52 | 2.28 | 1.93a | - |
| -3.00 | 6.51a | 6.10b | 5.46b | 4.88b | 4.21b | 3.63 | 3.18 | 2.82 | 2.52 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-----------------------------------|---|--------|-----------|---|
| 2BL | Hitch | RAIL | +/- 10° - +/- 45° Over Osc End |  | 90% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|------|-------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.41 | 2.93 | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.92 | 2.56 | 2.22 | 1.89 | - | - | - |
| 6.00 | - | - | - | - | - | 2.94 | 2.57 | 2.23 | 1.90 | 1.62 | - | - |
| 5.00 | - | - | - | - | 3.48 | 2.97 | 2.54 | 2.18 | 1.87 | 1.61 | 1.36 | - |
| 4.00 | - | 6.68 | 5.11 | 4.16 | 3.40 | 2.84 | 2.42 | 2.08 | 1.80 | 1.55 | 1.33 | 1.13 |
| 3.00 | - | - | 4.55 | 3.72 | 3.10 | 2.62 | 2.25 | 1.95 | 1.70 | 1.47 | 1.27 | 1.09 |
| 2.00 | - | - | - | 3.33 | 2.81 | 2.41 | 2.09 | 1.82 | 1.59 | 1.38 | 1.20 | 1.05 |
| 1.00 | - | - | 2.92a | 3.08 | 2.60 | 2.24 | 1.95 | 1.71 | 1.49 | 1.30 | 1.14 | 1.00 |
| 0.00 | - | 2.47a | 3.66 | 2.97 | 2.49 | 2.13 | 1.86 | 1.62 | 1.42 | 1.24 | 1.09 | 0.96 |
| -1.00 | 2.71a | 4.04a | 3.69 | 3.00 | 2.49 | 2.11 | 1.82 | 1.58 | 1.38 | 1.21 | 1.07 | 0.95 |
| -2.00 | 4.78a | 5.00a | 3.87 | 3.05 | 2.51 | 2.13 | 1.83 | 1.59 | 1.40 | 1.24 | 1.07 | - |
| -3.00 | 6.51a | 5.21 | 3.99 | 3.15 | 2.59 | 2.19 | 1.90 | 1.68 | 1.44 | - | - | - |
| -4.00 | 4.93b | 4.40b | 3.91 | 3.17 | 2.65 | 2.25 | 1.94b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|--------------------|---|--------|-----------|---|
| 2CL | Hitch | RAIL | +/- 45° - +/- 135° |  | 90% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|-------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 2.89 | 2.50 | 2.18 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.49 | 2.20 | 1.91 | 1.62 | - | - | - |
| 6.00 | - | - | - | - | - | 2.51 | 2.20 | 1.91 | 1.62 | 1.38 | - | - |
| 5.00 | - | - | - | - | 2.96 | 2.53 | 2.17 | 1.86 | 1.59 | 1.37 | 1.18 | - |
| 4.00 | - | 5.50 | 4.26 | 3.51 | 2.88 | 2.41 | 2.05 | 1.76 | 1.52 | 1.32 | 1.15 | 0.98 |
| 3.00 | - | - | 3.73 | 3.09 | 2.59 | 2.20 | 1.89 | 1.64 | 1.43 | 1.25 | 1.09 | 0.94 |
| 2.00 | - | - | - | 2.72 | 2.32 | 2.00 | 1.73 | 1.52 | 1.33 | 1.17 | 1.02 | 0.89 |
| 1.00 | - | - | 2.92a | 2.48 | 2.12 | 1.83 | 1.60 | 1.41 | 1.24 | 1.10 | 0.96 | 0.84 |
| 0.00 | - | 2.47a | 2.89 | 2.38 | 2.01 | 1.73 | 1.51 | 1.33 | 1.18 | 1.04 | 0.92 | 0.80 |
| -1.00 | 2.71a | 3.78 | 2.98 | 2.41 | 2.00 | 1.71 | 1.48 | 1.29 | 1.14 | 1.01 | 0.89 | 0.79 |
| -2.00 | 4.78a | 4.09 | 3.09 | 2.46 | 2.03 | 1.72 | 1.49 | 1.30 | 1.16 | 1.03 | 0.89 | - |
| -3.00 | 5.83 | 4.22 | 3.21 | 2.55 | 2.11 | 1.78 | 1.55 | 1.38 | 1.20 | - | - | - |
| -4.00 | 4.93b | 4.17 | 3.24 | 2.64 | 2.20 | 1.88b | 1.62 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 2DL | Hitch | RAIL | +/- 135° - +/- 150° Over Fixed End |  | 75% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.19 | 2.83 | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.20 | 2.86 | 2.51 | 2.20 | - | - |
| 5.00 | - | - | - | - | 4.08b | 3.67b | 3.21b | 2.83 | 2.48 | 2.19 | 1.94 | - |
| 4.00 | - | 6.70c | 5.76b | 4.97 | 4.27b | 3.66 | 3.15 | 2.75 | 2.42 | 2.15 | 1.92 | 1.71 |
| 3.00 | - | - | 5.92 | 4.85 | 4.06 | 3.47 | 3.01 | 2.64 | 2.34 | 2.09 | 1.87 | 1.68 |
| 2.00 | - | - | - | 4.52 | 3.83 | 3.29 | 2.87 | 2.54 | 2.26 | 2.02 | 1.82 | 1.64 |
| 1.00 | - | - | 2.92a | 4.31 | 3.65 | 3.15 | 2.76 | 2.44 | 2.18 | 1.96 | 1.77 | 1.61 |
| 0.00 | - | 2.47a | 4.01a | 4.22 | 3.56 | 3.06 | 2.68 | 2.38 | 2.12 | 1.91 | 1.73 | 1.58 |
| -1.00 | 2.71a | 4.04a | 5.17 | 4.25 | 3.55 | 3.04 | 2.65 | 2.34 | 2.09 | 1.89 | 1.72 | 1.57 |
| -2.00 | 4.78a | 5.83a | 5.34 | 4.29 | 3.58 | 3.06 | 2.66 | 2.35 | 2.11 | 1.91 | 1.72 | - |
| -3.00 | 6.51a | 6.10b | 5.29 | 4.30 | 3.62 | 3.11 | 2.71 | 2.39 | 2.14 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 2EL | Hitch | RAIL | +/- 150° - +/- 160° Over Fixed End |  | 75% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.39b | 3.04a | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.32b | 3.21b | 2.98 | 2.56a | - | - |
| 5.00 | - | - | - | - | 4.08b | 3.77b | 3.51b | 3.31 | 2.99b | 2.72 | 2.43 | - |
| 4.00 | - | 6.70c | 5.76b | 5.02b | 4.77b | 4.21b | 3.73b | 3.33 | 2.98 | 2.67 | 2.41 | 2.17 |
| 3.00 | - | - | 6.70c | 5.65 | 4.85 | 4.20 | 3.67 | 3.25 | 2.91 | 2.61 | 2.36 | 2.14 |
| 2.00 | - | - | - | 5.42 | 4.63 | 4.03 | 3.54 | 3.15 | 2.82 | 2.55 | 2.31 | 2.11 |
| 1.00 | - | - | 2.92a | 5.19 | 4.47 | 3.89 | 3.43 | 3.06 | 2.75 | 2.49 | 2.26 | 2.07 |
| 0.00 | - | 2.47a | 4.01a | 5.12 | 4.38 | 3.81 | 3.36 | 3.00 | 2.70 | 2.44 | 2.23 | 2.04 |
| -1.00 | 2.71a | 4.04a | 5.54a | 5.13 | 4.37 | 3.78 | 3.33 | 2.96 | 2.67 | 2.42 | 2.21 | 1.68a |
| -2.00 | 4.78a | 5.83a | 6.21 | 5.18 | 4.40 | 3.80 | 3.34 | 2.97 | 2.68 | 2.44 | 1.93a | - |
| -3.00 | 6.51a | 6.10b | 5.46b | 4.88b | 4.35 | 3.78 | 3.34b | 2.97 | 2.67 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 2FL | Hitch | RAIL | +/- 160° - +/- 180° Over Fixed End |  | 75% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.39b | 3.04a | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.32b | 3.21b | 2.99 | 2.56a | - | - |
| 5.00 | - | - | - | - | 4.08b | 3.77b | 3.51b | 3.33 | 2.99 | 2.72 | 2.43a | - |
| 4.00 | - | 6.70c | 5.76b | 5.02b | 4.77b | 4.21b | 3.73 | 3.34 | 2.99 | 2.68 | 2.41 | 2.18 |
| 3.00 | - | - | 6.70c | 5.67 | 4.87 | 4.21 | 3.69 | 3.27 | 2.92 | 2.62 | 2.37 | 2.15 |
| 2.00 | - | - | - | 5.44 | 4.65 | 4.04 | 3.55 | 3.16 | 2.83 | 2.56 | 2.32 | 2.11 |
| 1.00 | - | - | 2.92a | 5.21 | 4.48 | 3.90 | 3.45 | 3.07 | 2.76 | 2.50 | 2.27 | 2.08 |
| 0.00 | - | 2.47a | 4.01a | 5.14 | 4.39 | 3.82 | 3.37 | 3.01 | 2.71 | 2.45 | 2.24 | 2.05 |
| -1.00 | 2.71a | 4.04a | 5.54a | 5.15 | 4.39 | 3.80 | 3.34 | 2.98 | 2.68 | 2.43 | 2.22 | 1.68a |
| -2.00 | 4.78a | 5.83a | 6.23 | 5.19 | 4.41 | 3.81 | 3.35 | 2.98 | 2.69 | 2.44 | 1.93a | - |
| -3.00 | 6.51a | 6.10b | 5.46b | 4.88b | 4.36b | 3.80 | 3.34 | 2.98 | 2.68 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-------------------------|---|--------|-----------|---|
| 3AU | Hitch | CANT | +/- 10° Over Osc End |  | 67% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|------|-------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 2.38 | 2.08 | 1.84 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.07 | 1.83 | 1.60 | 1.37 | - | - | - |
| 6.00 | - | - | - | - | - | 2.09 | 1.84 | 1.60 | 1.38 | 1.19 | - | - |
| 5.00 | - | - | - | - | 2.44 | 2.10 | 1.82 | 1.57 | 1.35 | 1.18 | 1.02 | - |
| 4.00 | - | 4.36 | 3.44 | 2.86 | 2.38 | 2.01 | 1.73 | 1.49 | 1.30 | 1.14 | 1.00 | 0.87 |
| 3.00 | - | - | 3.05 | 2.56 | 2.17 | 1.86 | 1.61 | 1.40 | 1.23 | 1.09 | 0.96 | 0.85 |
| 2.00 | - | - | - | 2.29 | 1.96 | 1.70 | 1.49 | 1.31 | 1.16 | 1.03 | 0.92 | 0.81 |
| 1.00 | - | - | 2.50 | 2.11 | 1.82 | 1.58 | 1.39 | 1.23 | 1.09 | 0.98 | 0.87 | 0.78 |
| 0.00 | - | 2.47a | 2.46 | 2.04 | 1.74 | 1.51 | 1.32 | 1.17 | 1.05 | 0.94 | 0.84 | 0.76 |
| -1.00 | 2.71a | 3.15 | 2.51 | 2.06 | 1.73 | 1.49 | 1.30 | 1.14 | 1.02 | 0.91 | 0.83 | 0.75 |
| -2.00 | 4.40 | 3.36 | 2.60 | 2.09 | 1.75 | 1.50 | 1.31 | 1.15 | 1.03 | 0.93 | 0.83 | - |
| -3.00 | 4.75 | 3.45 | 2.68 | 2.16 | 1.81 | 1.55 | 1.35 | 1.21 | 1.06 | - | - | - |
| -4.00 | 4.67b | 3.49 | 2.75 | 2.26b | 1.91 | 1.64 | 1.40 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-----------------------------------|---|--------|-----------|---|
| 3BU | Hitch | CANT | +/- 10° - +/- 45° Over Osc End |  | 67% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 1.43 | 1.25 | 1.12 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.25 | 1.11 | 0.96 | 0.80 | - | - | - |
| 6.00 | - | - | - | - | - | 1.26 | 1.12 | 0.96 | 0.80 | 0.67 | - | - |
| 5.00 | - | - | - | - | 1.48 | 1.28 | 1.10 | 0.93 | 0.78 | 0.66 | 0.55 | - |
| 4.00 | - | 2.54 | 2.04 | 1.73 | 1.43 | 1.19 | 1.01 | 0.86 | 0.73 | 0.62 | 0.53 | 0.44 |
| 3.00 | - | - | 1.68 | 1.44 | 1.23 | 1.05 | 0.90 | 0.77 | 0.66 | 0.57 | 0.49 | 0.41 |
| 2.00 | - | - | - | 1.19 | 1.04 | 0.90 | 0.78 | 0.68 | 0.59 | 0.51 | 0.44 | 0.38 |
| 1.00 | - | - | 1.17 | 1.02 | 0.90 | 0.79 | 0.69 | 0.61 | 0.53 | 0.46 | 0.40 | 0.35 |
| 0.00 | - | 1.42 | 1.14 | 0.96 | 0.82 | 0.71 | 0.63 | 0.55 | 0.48 | 0.42 | 0.37 | 0.32 |
| -1.00 | 1.97 | 1.47 | 1.18 | 0.98 | 0.82 | 0.70 | 0.60 | 0.52 | 0.46 | 0.40 | 0.36 | 0.31 |
| -2.00 | 2.12 | 1.63 | 1.26 | 1.01 | 0.84 | 0.71 | 0.61 | 0.53 | 0.47 | 0.42 | 0.36 | - |
| -3.00 | 2.36 | 1.71 | 1.33 | 1.07 | 0.89 | 0.75 | 0.66 | 0.58 | 0.50 | - | - | - |
| -4.00 | 2.49 | 1.87 | 1.46 | 1.19 | 1.03 | 0.85 | 0.70 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|--------------------|---|--------|-----------|---|
| 3CU | Hitch | CANT | +/- 45° - +/- 135° |  | 67% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 1.37 | 1.20 | 1.07 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.19 | 1.06 | 0.91 | 0.75 | - | - | - |
| 6.00 | - | - | - | - | - | 1.21 | 1.06 | 0.91 | 0.75 | 0.62 | - | - |
| 5.00 | - | - | - | - | 1.42 | 1.22 | 1.04 | 0.88 | 0.73 | 0.61 | 0.50 | - |
| 4.00 | - | 2.49 | 1.98 | 1.67 | 1.36 | 1.14 | 0.95 | 0.80 | 0.68 | 0.57 | 0.48 | 0.39 |
| 3.00 | - | - | 1.61 | 1.37 | 1.16 | 0.99 | 0.84 | 0.72 | 0.61 | 0.52 | 0.44 | 0.37 |
| 2.00 | - | - | - | 1.11 | 0.97 | 0.84 | 0.72 | 0.63 | 0.54 | 0.46 | 0.40 | 0.33 |
| 1.00 | - | - | 1.08 | 0.94 | 0.82 | 0.72 | 0.63 | 0.55 | 0.48 | 0.41 | 0.35 | 0.29 |
| 0.00 | - | 1.33 | 1.05 | 0.87 | 0.75 | 0.65 | 0.56 | 0.49 | 0.43 | 0.37 | 0.32 | 0.25 |
| -1.00 | 1.88 | 1.37 | 1.10 | 0.89 | 0.74 | 0.63 | 0.54 | 0.46 | 0.40 | 0.35 | 0.30 | 0.24 |
| -2.00 | 2.04 | 1.54 | 1.17 | 0.93 | 0.76 | 0.64 | 0.55 | 0.47 | 0.42 | 0.37 | 0.30 | - |
| -3.00 | 2.29 | 1.63 | 1.25 | 0.99 | 0.82 | 0.68 | 0.59 | 0.53 | 0.44 | - | - | - |
| -4.00 | 2.42 | 1.79 | 1.38 | 1.11 | 0.96 | 0.79 | 0.64 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 3DU | Hitch | CANT | +/- 135° - +/- 150° Over Fixed End |  | 67% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|------|-------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 1.98 | 1.75 | 1.58 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.75 | 1.57 | 1.39 | 1.20 | - | - | - |
| 6.00 | - | - | - | - | - | 1.76 | 1.58 | 1.39 | 1.20 | 1.04 | - | - |
| 5.00 | - | - | - | - | 2.03 | 1.78 | 1.56 | 1.36 | 1.18 | 1.03 | 0.90 | - |
| 4.00 | - | 3.28 | 2.71 | 2.33 | 1.97 | 1.70 | 1.47 | 1.29 | 1.13 | 1.00 | 0.88 | 0.77 |
| 3.00 | - | - | 2.38 | 2.07 | 1.79 | 1.56 | 1.37 | 1.21 | 1.07 | 0.95 | 0.84 | 0.74 |
| 2.00 | - | - | - | 1.83 | 1.61 | 1.42 | 1.26 | 1.12 | 1.00 | 0.89 | 0.80 | 0.71 |
| 1.00 | - | - | 1.92 | 1.68 | 1.48 | 1.31 | 1.17 | 1.05 | 0.94 | 0.84 | 0.76 | 0.68 |
| 0.00 | - | 2.28 | 1.88 | 1.61 | 1.41 | 1.25 | 1.11 | 0.99 | 0.89 | 0.81 | 0.73 | 0.66 |
| -1.00 | 2.71a | 2.32 | 1.93 | 1.63 | 1.41 | 1.23 | 1.09 | 0.97 | 0.87 | 0.79 | 0.71 | 0.65 |
| -2.00 | 3.08 | 2.47 | 2.00 | 1.66 | 1.42 | 1.24 | 1.09 | 0.98 | 0.88 | 0.80 | 0.72 | - |
| -3.00 | 3.29 | 2.54 | 2.07 | 1.72 | 1.47 | 1.28 | 1.14 | 1.03 | 0.91 | - | - | - |
| -4.00 | 3.33 | 2.65 | 2.18b | 1.83 | 1.58 | 1.38 | 1.18 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 3EU | Hitch | CANT | +/- 150° - +/- 160° Over Fixed End |  | 67% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|------|-------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.07 | 2.69 | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.68 | 2.39 | 2.12 | 1.85 | - | - | - |
| 6.00 | - | - | - | - | - | 2.70 | 2.40 | 2.12 | 1.86 | 1.63 | - | - |
| 5.00 | - | - | - | - | 3.12 | 2.72 | 2.38 | 2.08 | 1.83 | 1.62 | 1.44 | - |
| 4.00 | - | 5.33 | 4.30 | 3.62 | 3.06 | 2.63 | 2.29 | 2.01 | 1.78 | 1.58 | 1.42 | 1.26 |
| 3.00 | - | - | 3.94 | 3.34 | 2.86 | 2.48 | 2.18 | 1.93 | 1.71 | 1.53 | 1.38 | 1.24 |
| 2.00 | - | - | - | 3.08 | 2.67 | 2.33 | 2.06 | 1.84 | 1.64 | 1.48 | 1.33 | 1.21 |
| 1.00 | - | - | 2.92a | 2.91 | 2.53 | 2.22 | 1.97 | 1.76 | 1.58 | 1.43 | 1.29 | 1.18 |
| 0.00 | - | 2.47a | 3.37 | 2.84 | 2.45 | 2.15 | 1.90 | 1.70 | 1.53 | 1.39 | 1.26 | 1.15 |
| -1.00 | 2.71a | 4.04a | 3.41 | 2.86 | 2.45 | 2.13 | 1.88 | 1.67 | 1.51 | 1.37 | 1.25 | 1.14 |
| -2.00 | 4.78a | 4.41 | 3.51 | 2.90 | 2.47 | 2.14 | 1.88 | 1.68 | 1.52 | 1.38 | 1.25 | - |
| -3.00 | 5.84 | 4.48 | 3.59 | 2.96 | 2.52 | 2.18 | 1.93 | 1.74 | 1.55 | - | - | - |
| -4.00 | 4.93b | 4.40b | 3.57 | 2.99 | 2.55 | 2.22 | 1.96 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 3FU | Hitch | CANT | +/- 160° - +/- 180° Over Fixed End |  | 67% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|-------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.10 | 2.79 | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.11 | 2.81 | 2.51 | 2.25 | - | - |
| 5.00 | - | - | - | - | 3.96 | 3.48 | 3.11 | 2.78 | 2.48 | 2.24 | 2.02 | - |
| 4.00 | - | 6.41 | 5.32 | 4.56 | 3.93 | 3.44 | 3.04 | 2.71 | 2.44 | 2.20 | 2.00 | 1.81 |
| 3.00 | - | - | 4.99 | 4.30 | 3.75 | 3.30 | 2.93 | 2.63 | 2.37 | 2.15 | 1.96 | 1.79 |
| 2.00 | - | - | - | 4.07 | 3.57 | 3.16 | 2.83 | 2.55 | 2.31 | 2.10 | 1.92 | 1.76 |
| 1.00 | - | - | 2.92a | 3.92 | 3.44 | 3.06 | 2.74 | 2.47 | 2.25 | 2.05 | 1.88 | 1.73 |
| 0.00 | - | 2.47a | 4.01a | 3.85 | 3.37 | 2.99 | 2.68 | 2.42 | 2.20 | 2.01 | 1.85 | 1.70 |
| -1.00 | 2.71a | 4.04a | 4.48 | 3.87 | 3.37 | 2.97 | 2.65 | 2.39 | 2.18 | 1.99 | 1.83 | 1.68a |
| -2.00 | 4.78a | 5.45 | 4.61 | 3.90 | 3.38 | 2.98 | 2.66 | 2.40 | 2.19 | 2.01 | 1.84 | - |
| -3.00 | 6.51a | 5.57 | 4.63 | 3.94 | 3.43 | 3.02 | 2.70 | 2.43 | 2.21 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-------------------------|---|--------|-----------|---|
| 3AL | Hitch | CANT | +/- 10° Over Osc End |  | 90% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.26 | 2.87 | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.27 | 2.91b | 2.55 | 2.21 | - | - |
| 5.00 | - | - | - | - | 4.08b | 3.77 | 3.28 | 2.90 | 2.51 | 2.20 | 1.93 | - |
| 4.00 | - | 6.70c | 5.76b | 5.02b | 4.38 | 3.77 | 3.23 | 2.79 | 2.44 | 2.15 | 1.90 | 1.67 |
| 3.00 | - | - | 6.26 | 5.07 | 4.20 | 3.56 | 3.06 | 2.67 | 2.35 | 2.07 | 1.85 | 1.63 |
| 2.00 | - | - | - | 4.66 | 3.91 | 3.34 | 2.90 | 2.54 | 2.24 | 1.99 | 1.78 | 1.58 |
| 1.00 | - | - | 2.92a | 4.39 | 3.70 | 3.17 | 2.76 | 2.42 | 2.15 | 1.92 | 1.72 | 1.54 |
| 0.00 | - | 2.47a | 4.01a | 4.29 | 3.58 | 3.06 | 2.66 | 2.34 | 2.08 | 1.87 | 1.68 | 1.50 |
| -1.00 | 2.71a | 4.04a | 5.32 | 4.33 | 3.57 | 3.03 | 2.62 | 2.30 | 2.05 | 1.84 | 1.65 | 1.48 |
| -2.00 | 4.78a | 5.83a | 5.52b | 4.38 | 3.60 | 3.05 | 2.64 | 2.31 | 2.06 | 1.86 | 1.65 | - |
| -3.00 | 6.51a | 6.10b | 5.44 | 4.38 | 3.66 | 3.12 | 2.69 | 2.37 | 2.11 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|-----------------------------------|---|--------|-----------|---|
| 3BL | Hitch | CANT | +/- 10° - +/- 45° Over Osc End |  | 90% | Tandem |  |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 2.93 | 2.54 | 2.23 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.53 | 2.23 | 1.95 | 1.64 | - | - | - |
| 6.00 | - | - | - | - | - | 2.56 | 2.24 | 1.95 | 1.65 | 1.38 | - | - |
| 5.00 | - | - | - | - | 3.00 | 2.58 | 2.21 | 1.90 | 1.61 | 1.37 | 1.15 | - |
| 4.00 | - | 5.51 | 4.29 | 3.55 | 2.92 | 2.46 | 2.09 | 1.80 | 1.54 | 1.31 | 1.12 | 0.95 |
| 3.00 | - | - | 3.77 | 3.14 | 2.64 | 2.25 | 1.94 | 1.68 | 1.44 | 1.24 | 1.06 | 0.91 |
| 2.00 | - | - | - | 2.77 | 2.37 | 2.05 | 1.78 | 1.54 | 1.33 | 1.15 | 1.00 | 0.86 |
| 1.00 | - | - | 2.92a | 2.54 | 2.17 | 1.88 | 1.64 | 1.42 | 1.24 | 1.08 | 0.94 | 0.81 |
| 0.00 | - | 2.47a | 2.95 | 2.44 | 2.06 | 1.78 | 1.54 | 1.34 | 1.17 | 1.02 | 0.89 | 0.78 |
| -1.00 | 2.71a | 3.83 | 3.04 | 2.47 | 2.06 | 1.76 | 1.51 | 1.30 | 1.13 | 0.99 | 0.87 | 0.76 |
| -2.00 | 4.78a | 4.13 | 3.15 | 2.51 | 2.09 | 1.77 | 1.52 | 1.31 | 1.15 | 1.01 | 0.87 | - |
| -3.00 | 5.82 | 4.26 | 3.26 | 2.61 | 2.16 | 1.84 | 1.59 | 1.39 | 1.19 | - | - | - |
| -4.00 | 4.93b | 4.20b | 3.29 | 2.69 | 2.25 | 1.92 | 1.66 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.
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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|--------------------|---|--------|-----------|---|
| 3CL | Hitch | CANT | +/- 45° - +/- 135° |  | 90% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 2.64 | 2.28 | 2.01 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 2.27 | 2.00 | 1.73 | 1.45 | - | - | - |
| 6.00 | - | - | - | - | - | 2.29 | 2.01 | 1.73 | 1.46 | 1.23 | - | - |
| 5.00 | - | - | - | - | 2.71 | 2.32 | 1.98 | 1.68 | 1.42 | 1.22 | 1.02 | - |
| 4.00 | - | 5.12 | 3.93 | 3.23 | 2.63 | 2.19 | 1.85 | 1.58 | 1.36 | 1.17 | 0.99 | 0.83 |
| 3.00 | - | - | 3.39 | 2.81 | 2.34 | 1.98 | 1.69 | 1.46 | 1.26 | 1.09 | 0.93 | 0.79 |
| 2.00 | - | - | - | 2.43 | 2.06 | 1.77 | 1.53 | 1.33 | 1.16 | 1.01 | 0.87 | 0.74 |
| 1.00 | - | - | 2.61 | 2.18 | 1.86 | 1.61 | 1.40 | 1.22 | 1.07 | 0.93 | 0.80 | 0.69 |
| 0.00 | - | 2.47a | 2.56 | 2.08 | 1.75 | 1.50 | 1.31 | 1.15 | 1.00 | 0.87 | 0.76 | 0.66 |
| -1.00 | 2.71a | 3.35 | 2.63 | 2.11 | 1.75 | 1.48 | 1.27 | 1.11 | 0.96 | 0.84 | 0.73 | 0.64 |
| -2.00 | 4.78a | 3.67 | 2.75 | 2.16 | 1.77 | 1.50 | 1.28 | 1.12 | 0.98 | 0.86 | 0.73 | - |
| -3.00 | 5.41 | 3.80 | 2.86 | 2.26 | 1.85 | 1.56 | 1.35 | 1.19 | 1.02 | - | - | - |
| -4.00 | 4.93b | 3.80b | 2.94 | 2.38 | 1.97 | 1.67 | 1.42 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 3DL | Hitch | CANT | +/- 135° - +/- 150° Over Fixed End |  | 75% | Tandem |  |



| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.37b | 2.98 | 2.62 | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.39b | 2.99 | 2.62 | 2.29 | 2.01 | - | - |
| 5.00 | - | - | - | - | 3.92 | 3.36b | 2.96 | 2.58 | 2.26 | 2.00 | 1.77 | - |
| 4.00 | - | 6.70c | 5.56 | 4.64 | 3.89 | 3.31 | 2.86 | 2.50 | 2.21 | 1.96 | 1.75 | 1.56 |
| 3.00 | - | - | 5.20 | 4.32 | 3.65 | 3.13 | 2.73 | 2.40 | 2.13 | 1.90 | 1.70 | 1.53 |
| 2.00 | - | - | - | 4.00 | 3.42 | 2.96 | 2.59 | 2.29 | 2.05 | 1.83 | 1.65 | 1.49 |
| 1.00 | - | - | 2.92a | 3.81 | 3.25 | 2.82 | 2.48 | 2.20 | 1.97 | 1.77 | 1.60 | 1.46 |
| 0.00 | - | 2.47a | 4.01a | 3.72 | 3.16 | 2.74 | 2.41 | 2.14 | 1.92 | 1.73 | 1.57 | 1.43 |
| -1.00 | 2.71a | 4.04a | 4.51 | 3.75 | 3.15 | 2.72 | 2.38 | 2.11 | 1.89 | 1.70 | 1.55 | 1.42 |
| -2.00 | 4.78a | 5.83a | 4.68 | 3.79 | 3.18 | 2.73 | 2.39 | 2.12 | 1.90 | 1.72 | 1.55 | - |
| -3.00 | 6.51a | 5.94b | 4.69b | 3.85 | 3.24 | 2.78 | 2.44 | 2.17 | 1.94 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22 | 2.77 | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 3EL | Hitch | CANT | +/- 150° - +/- 160° Over Fixed End |  | 75% | Tandem |  |


| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.23b | 2.88 | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.24b | 2.91 | 2.58 | 2.28 | - | - |
| 5.00 | - | - | - | - | 4.08b | 3.70 | 3.24 | 2.90 | 2.55 | 2.27 | 2.02 | - |
| 4.00 | - | 6.70c | 5.76b | 4.95 | 4.27b | 3.69 | 3.21 | 2.81 | 2.49 | 2.22 | 1.99 | 1.79 |
| 3.00 | - | - | 5.78 | 4.82 | 4.08 | 3.52 | 3.07 | 2.71 | 2.42 | 2.16 | 1.95 | 1.76 |
| 2.00 | - | - | - | 4.51 | 3.85 | 3.35 | 2.94 | 2.61 | 2.33 | 2.10 | 1.90 | 1.72 |
| 1.00 | - | - | 2.92a | 4.31 | 3.69 | 3.21 | 2.83 | 2.52 | 2.26 | 2.04 | 1.85 | 1.69 |
| 0.00 | - | 2.47a | 4.01a | 4.22 | 3.60 | 3.13 | 2.76 | 2.46 | 2.21 | 2.00 | 1.82 | 1.66 |
| -1.00 | 2.71a | 4.04a | 5.09 | 4.25 | 3.59 | 3.11 | 2.73 | 2.42 | 2.18 | 1.97 | 1.80 | 1.65 |
| -2.00 | 4.78a | 5.83a | 5.27 | 4.29 | 3.62 | 3.12 | 2.74 | 2.43 | 2.19 | 1.99 | 1.80 | - |
| -3.00 | 6.51a | 6.10b | 5.22b | 4.30 | 3.66 | 3.16 | 2.78 | 2.47 | 2.22 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode | |
|------|------------|--------|---------------------------------------|---|--------|-----------|---|
| 3FL | Hitch | CANT | +/- 160° - +/- 180° Over Fixed End |  | 75% | Tandem |  |


| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 3.84b | 3.18a | 2.36a | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 3.42b | 3.39b | 3.04a | 2.22a | - | - | - |
| 6.00 | - | - | - | - | - | 3.44b | 3.32b | 3.21b | 2.99 | 2.56a | - | - |
| 5.00 | - | - | - | - | 4.08b | 3.77b | 3.51b | 3.33 | 2.99 | 2.72 | 2.43a | - |
| 4.00 | - | 6.70c | 5.76b | 5.02b | 4.77b | 4.21b | 3.73 | 3.34 | 2.99 | 2.68 | 2.41 | 2.18 |
| 3.00 | - | - | 6.70c | 5.67 | 4.87 | 4.21 | 3.69 | 3.27 | 2.92 | 2.62 | 2.37 | 2.15 |
| 2.00 | - | - | - | 5.44 | 4.65 | 4.04 | 3.55 | 3.16 | 2.83 | 2.56 | 2.32 | 2.11 |
| 1.00 | - | - | 2.92a | 5.21 | 4.48 | 3.90 | 3.45 | 3.07 | 2.76 | 2.50 | 2.27 | 2.08 |
| 0.00 | - | 2.47a | 4.01a | 5.14 | 4.39 | 3.82 | 3.37 | 3.01 | 2.71 | 2.45 | 2.24 | 2.05 |
| -1.00 | 2.71a | 4.04a | 5.54a | 5.15 | 4.39 | 3.80 | 3.34 | 2.98 | 2.68 | 2.43 | 2.22 | 1.68a |
| -2.00 | 4.78a | 5.83a | 6.23 | 5.19 | 4.41 | 3.81 | 3.35 | 2.98 | 2.69 | 2.44 | 1.93a | - |
| -3.00 | 6.51a | 6.10b | 5.46b | 4.88b | 4.36b | 3.80 | 3.34 | 2.98 | 2.68 | - | - | - |
| -4.00 | 4.93b | 4.40b | 4.02b | 3.62b | 3.22b | 2.81b | 2.39b | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode |
|------|------------|------------|----------|---|--------|-----------|
| 4AU | Hitch | SUPER CANT | +/- 180° |  | 67% | Tandem |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 1.24 | 1.08 | 0.97 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.08 | 0.96 | 0.83 | 0.67 | - | - | - |
| 6.00 | - | - | - | - | - | 1.10 | 0.97 | 0.83 | 0.68 | 0.55 | - | - |
| 5.00 | - | - | - | - | 1.29 | 1.11 | 0.95 | 0.79 | 0.65 | 0.54 | 0.44 | - |
| 4.00 | - | 2.21 | 1.77 | 1.50 | 1.23 | 1.03 | 0.86 | 0.72 | 0.61 | 0.51 | 0.42 | 0.34 |
| 3.00 | - | - | 1.42 | 1.22 | 1.03 | 0.88 | 0.75 | 0.64 | 0.54 | 0.45 | 0.38 | 0.30 |
| 2.00 | - | - | - | 0.96 | 0.84 | 0.73 | 0.63 | 0.55 | 0.47 | 0.40 | 0.34 | 0.25 |
| 1.00 | - | - | 0.91 | 0.80 | 0.70 | 0.62 | 0.54 | 0.47 | 0.41 | 0.35 | 0.28 | 0.21 |
| 0.00 | - | 1.10 | 0.87 | 0.73 | 0.63 | 0.55 | 0.47 | 0.41 | 0.36 | 0.30 | 0.24 | 0.17 |
| -1.00 | 1.56 | 1.15 | 0.92 | 0.75 | 0.63 | 0.53 | 0.45 | 0.39 | 0.33 | 0.27 | 0.21 | 0.16 |
| -2.00 | 1.70 | 1.31 | 1.00 | 0.79 | 0.64 | 0.54 | 0.46 | 0.39 | 0.35 | 0.30 | 0.22 | - |
| -3.00 | 1.94 | 1.39 | 1.07 | 0.85 | 0.70 | 0.58 | 0.50 | 0.45 | 0.37 | - | - | - |
| -4.00 | 2.10 | 1.55 | 1.20 | 0.97 | 0.84 | 0.68 | 0.55 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

| Duty | Lift Point | Config | Sector | Osc Axle | Safety | Lift Mode |
|------|------------|------------|----------|---|--------|-----------|
| 4AL | Hitch | SUPER CANT | +/- 180° |  | 75% | Tandem |

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9.00 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.00 | - | - | - | - | 1.59 | 1.41 | 1.27 | - | - | - | - | - |
| 7.00 | - | - | - | - | - | 1.40 | 1.26 | 1.10 | 0.92 | - | - | - |
| 6.00 | - | - | - | - | - | 1.42 | 1.27 | 1.10 | 0.93 | 0.78 | - | - |
| 5.00 | - | - | - | - | 1.64 | 1.44 | 1.24 | 1.06 | 0.90 | 0.77 | 0.65 | - |
| 4.00 | - | 2.67 | 2.20 | 1.89 | 1.59 | 1.35 | 1.15 | 0.99 | 0.85 | 0.73 | 0.63 | 0.53 |
| 3.00 | - | - | 1.84 | 1.60 | 1.38 | 1.19 | 1.03 | 0.90 | 0.78 | 0.68 | 0.59 | 0.49 |
| 2.00 | - | - | - | 1.34 | 1.18 | 1.04 | 0.92 | 0.81 | 0.71 | 0.62 | 0.54 | 0.45 |
| 1.00 | - | - | 1.33 | 1.18 | 1.04 | 0.92 | 0.82 | 0.72 | 0.64 | 0.57 | 0.49 | 0.41 |
| 0.00 | - | 1.57 | 1.29 | 1.10 | 0.96 | 0.85 | 0.75 | 0.67 | 0.59 | 0.53 | 0.45 | 0.37 |
| -1.00 | 2.08 | 1.62 | 1.34 | 1.13 | 0.96 | 0.83 | 0.73 | 0.64 | 0.57 | 0.50 | 0.43 | 0.36 |
| -2.00 | 2.22 | 1.78 | 1.41 | 1.16 | 0.98 | 0.84 | 0.73 | 0.65 | 0.58 | 0.52 | 0.43 | - |
| -3.00 | 2.45 | 1.86 | 1.49 | 1.23 | 1.03 | 0.89 | 0.78 | 0.70 | 0.61 | - | - | - |
| -4.00 | 2.57 | 2.01 | 1.62 | 1.34 | 1.17 | 0.99 | 0.83 | - | - | - | - | - |
| -5.00 | - | - | - | - | - | - | - | - | - | - | - | - |

SWL = 75% of Tip Load or 87% of Max System Hydraulic Pressure (whichever is the lower). In addition, ISO4305 1.33P + 0.1F.

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, 'a' arm, 'r' artic, 'k' bucket and 'c' capped are limited by hydraulic capacity (87% of system maximum hydraulic pressure).