

GANTRIES

PORTABLE GANTRY CRANES NON-POWER & POWER DRIVE CONTROL GANTRY CRANES

Model PGC, PGC-PDC

- *Safe and easy vertical extraction for most standard lift truck batteries*
- *Significantly more cost effective than bridge cranes*
- *Expansion options available to keep pace with your growth*



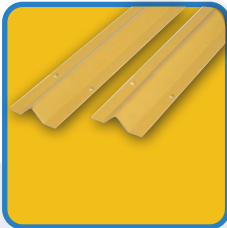
BATTERY HANDLING SYSTEMS



FEATURES & BENEFITS:

- **Modular design allows for easy system expansion**
- **A variety of beam spans and capacities are available for your specific application**
- **Dual floor locks to ensure stability during battery change out** (Non-power drive units only)
- **Large swivel casters allow for easy mobility of the entire gantry crane** (Non-power drive units only)
- **Integrated pendant control provides full multi-directional control from one central location** (For power driven units only)
- **Variable frequency drive technology provides smooth transitions during acceleration / deceleration of the gantry** (For power driven units only)

REQUIRED ACCESSORY OPTIONS



Dual Guidance Track (DGT-V)

The standard V-groove track is available on a per foot basis and comes in two sections. The same track is available for powered and non-power drive gantry cranes. V-groove compliant wheels come standard when DGT-V is used.

Single Guidance Track

(SGT-C3) 3" C-channel designed for use with phenolic wheel option on non-powered gantry cranes.

Single Guidance Track

(SGT-C4) 4" C-channel designed for power driven gantry cranes that utilize the polyurethane wheel option.

Dual Guidance Track

(DGT-C4) 4" C-channel track, dual sided design for power driven gantry cranes that utilize the polyurethane wheel.

Track End Stop (TRK-ES) Steel stops prevent system from running off guidance track.



Battery Lifting Beam (BLB-

6000) Hardwood construction designed for one person operation. Capacity of 6,000 lbs. with 27.5" to 42.5" adjustable clear span.

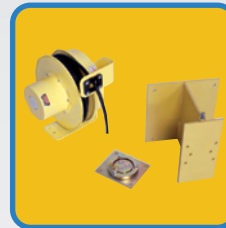
Battery Lifting Beam (BLB-

6000-48) Hardwood construction designed for one person operation. Capacity of 6,000 lbs. with 35.5" to 50.5" adjustable clear span.

Load Hog Battery Lifting Beam (BLB-6000-LHG) or the Super Hog Battery Lifting Beam (BLB-6000-SHG) Separate options consist of the BLB-6000 with either Load Hog Hooks or Super Hog Hooks designed for Load Hog and Super Load Hog batteries.

Swing Latch Battery Lifting Beam (BLB-SWG-LCH) Standard BLB-6000 with Swing Latch hooks.

Slide Latch Battery Lifting Beam (BLB-6000-SLD) Standard BLB-6000 with Slide Latch hooks.



Power Cable Reel (PCR-50)

50' permanent tension mounted cable reel keeps the electrical cord taut and secure during operation.

Power Cable Reel (PCR-85)

85' permanent tension mounted cable reel keeps the electrical cord taut and secure during operation.

Universal Hinge Mount

(PCR-UHM) Wall mounted power cable reel base traverses left to right.

Pivot Base (PCR-PVB) Ceiling mounted power cable reel base provides increased range of motion.

Poly Drive Option (PGC-POLY)

Available for powered gantry cranes utilizing single or dual sided guidance 4" C-channel track. Consult factory on this option.

Phenolic Wheel Option

(PGC-PHEN) Available for non-powered gantry cranes utilizing 3" C-channel guidance track.



Hoist & Trolley Kits (2A-1) and (2A-3)

both kits include a 2-ton electric chain hoist with a manual trolley, chain container, and a two-button pendant. Kit (2A-1) requires single-phase power (120/240 VAC). Kit (2A-3) requires three phase power (240/480 VAC).

Hoist & Trolley Kit (2B)*

2-Ton electric chain hoist with motorized trolley, chain container, and six-button pendant. Requires three-phase power (240/480VAC).

Hoist & Trolley Kit (3A)

3-Ton electric chain hoist with manual trolley, chain container, and two-button pendant. Requires three-phase power (240/480VAC).

Hoist & Trolley Kit (3B)*

3-Ton electric chain hoist with motorized trolley, chain container, and six-button pendant. Requires three-phase power (240/480VAC).

**(2B) Kits required for PGC-PDC models*

**(3B) Kits required for 3PGC-PDC models*

ADDITIONAL OPTIONS

Battery Lifting Beam Staging Stand (CS-BLB)

ASME compliant storage stand for BLB-6000.

Eight Button Pendant (PGC-8PEND)

Remote pendant contains eight buttons for multi-directional control and on/off system power.

12' Under Beam (PGC-12UB)

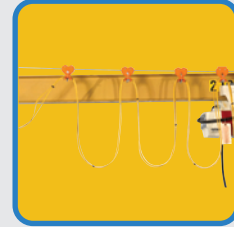
For applications requiring 12' under beam clearance.

Floor Mount (PGC-FM)

Allows for rigid mounting of gantry directly to the floor.

Cable Festoon (PGC-CFS)

Keeps cables secure during operation of motorized trolley.



PGC Specifications - Imperial / Metric

Model	PGC-10	PGC-12	PGC-14	PGC-16	PGC-18
Capacity	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg
Clear Between "A" Frame	10' / 3050 mm	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm
Overall Beam Length	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm
Overall Length Dimension	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm
Overall System Length ¹	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm	22' / 6710 mm
Nominal Track / Wheel Distance ²	11' 5" / 3480 mm	13' 5" / 4090 mm	15' 5" / 4700 mm	17' 5" / 5310 mm	19' 5" / 5920 mm
Overall Height	10' 9" / 3280 mm	10' 9" / 3280 mm	10' 11" / 3330 mm	10' 11" / 3330 mm	11' 1" / 3380 mm
I-Beam Size	8" x 23# / 203.2 mm x 10.43 kg	8" x 23# / 203.2 mm x 10.43 kg	10" x 25.4# / 254.0 mm x 11.52 kg	10" x 25.4# / 254.0 mm x 11.52 kg	12" x 31.8# / 304.80 mm x 14.42 kg
Weight	850 lbs / 385.55 kg	890 lbs / 403.70 kg	940 lbs / 426.38 kg	995 lbs / 451.32 kg	1,225 lbs / 555.65 kg
Under Beam Clearance Height	10' 1" / 3070 mm	10' 1" / 3070 mm	10' 1" / 3070 mm	10' 1" / 3070 mm	10' 1" / 3070 mm
A-Frame Base Width	64" / 1625.6 mm	64" / 1625.6 mm	64" / 1625.6 mm	64" / 1625.6 mm	64" / 1625.6 mm

3PGC Specifications - Imperial / Metric

Model	3PGC-10	3PGC-12	3PGC-14	3PGC-16	3PGC-18
Capacity	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg
Clear Between "A" Frame	10' / 3050 mm	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm
Overall Beam Length	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm
Overall Length Dimension	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm
Overall System Length ¹	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm	22' / 6710 mm
Nominal Track / Wheel Distance ²	11' 5" / 3480 mm	13' 5" / 4090 mm	15' 5" / 4700 mm	17' 5" / 5310 mm	19' 5" / 5920 mm
Overall Height	10' 9" / 3280 mm	10' 11" / 3330 mm	10' 11" / 3330 mm	11' 1" / 3380 mm	11' 4" / 3450 mm
I-Beam Size	8" x 23# / 203.2 mm x 10.43 kg	10" x 25.4# / 254.0 mm x 11.52 kg	10" x 25.4# / 254.0 mm x 11.52 kg	12" x 31.8# / 304.80 mm x 14.42 kg	15" x 42.9# / 381.0 mm x 19.46 kg
Weight	900 lbs / 408.23 kg	950 lbs / 430.91 kg	1,000 lbs / 453.59 kg	1,110 lbs / 503.49 kg	1,305 lbs / 591.94 kg
Under Beam Clearance Height	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm
A-Frame Base Width	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm

Notes:

1. 12" Minimum clearance recommended on each side
2. Dimension should not be used for track installation due to varying crown of I-beams

GANTRIES

NON-POWER & POWER DRIVE CONTROL GANTRY CRANES

PGC-PDC Specifications - Imperial / Metric

	PGC-10PDC	PGC-12PDC	PGC-14PDC	PGC-16PDC	PGC-18PDC	PGC-20PDC
Capacity	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg	4,000 lbs / 1814 kg
Clear Between "A" Frame	10' / 3050 mm	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm
Overall Beam Length	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm	22' / 6710 mm
Overall Length Dimension	12' 9" / 3890 mm	14' 9" / 4500 mm	16' 9" / 5110 mm	18' 9" / 5720 mm	20' 9" / 6320 mm	22' 9" / 6930 mm
Overall System Length ¹	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm	22' / 6710 mm	24' / 7320 mm
Nominal Track / Wheel Distance ²	11' 5" / 3480 mm	13' 5" / 4090 mm	15' 5" / 4700 mm	17' 5" / 5310 mm	19' 5" / 5920 mm	21' 5" / 6530 mm
Overall Height ³	11' 1" / 3380 mm	11' 1" / 3380 mm	11' 3" / 3430 mm	11' 3" / 3430 mm	11' 5" / 3480 mm	11' 5" / 3480 mm
I-Beam Size	8" x 23# / 203.2 mm x 10.43 kg	8" x 23# / 203.2 mm x 10.43 kg	10" x 25.4# / 254.0 mm x 11.52 kg	10" x 25.4# / 254.0 mm x 11.52 kg	12" x 31.8# / 304.8 mm x 14.42 kg	12" x 31.8# / 304.8 mm x 14.42 kg
Weight	1,260 lbs / 571.53 kg	1,285 lbs / 582.87 kg	1,320 lbs / 598.74 kg	1,345 lbs / 610.08 kg	1,425 lbs / 646.37 kg	1,490 lbs / 678.85 kg
Under Beam Clearance Height	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm
Under Chain Container Clearance Height	8' 5" / 2570 mm	8' 5" / 2570 mm	8' 5" / 2570 mm	8' 5" / 2570 mm	8' 5" / 2570 mm	8' 5" / 2570 mm
Max A.C. Amp Draw with Hoist at 480V / 3Ph / 60Hz ⁴	5.2 Amp	5.2 Amp	5.2 Amp	5.2 Amp	5.2 Amp	5.2 Amp
Travel Speed	45 FPM / .2286 MPS	45 FPM / .2286 MPS	45 FPM / .2286 MPS	45 FPM / .2286 MPS	45 FPM / .2286 MPS	45 FPM / .2286 MPS
A-Frame Base Width	68" / 1727.20 mm	68" / 1727.20 mm	68" / 1727.20 mm	68" / 1727.20 mm	68" / 1727.20 mm	68" / 1727.20 mm

3PGC-PDC Specifications - Imperial / Metric

	3PGC-10PDC	3PGC-12PDC	3PGC-14PDC	3PGC-16PDC	3PGC-18PDC	3PGC-20PDC
Capacity	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg	6,000 lbs / 2721.55 kg
Clear Between "A" Frame	10' / 3050 mm	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm
Overall Beam Length	12' / 3660 mm	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm	22' / 6710 mm
Overall Length Dimension	12' 9" / 3890 mm	14' 9" / 4500 mm	16' 9" / 5110 mm	18' 9" / 5720 mm	20' 9" / 6320 mm	22' 9" / 6930 mm
Overall System Length ¹	14' / 4270 mm	16' / 4880 mm	18' / 5490 mm	20' / 6100 mm	22' / 6710 mm	24' / 7320 mm
Nominal Track / Wheel Distance ²	11' 5" / 3480 mm	13' 5" / 4090 mm	15' 5" / 4700 mm	17' 5" / 5310 mm	19' 5" / 5920 mm	21' 5" / 6530 mm
Overall Height ³	11' 1" / 3380 mm	11' 1" / 3380 mm	11' 3" / 3430 mm	11' 3" / 3430 mm	11' 5" / 3480 mm	11' 5" / 3480 mm
I-Beam Size	8" x 23# / 203.2 mm x 10.43 kg	10" x 25.4# / 254.0 mm x 11.52 kg	10" x 25.4# / 254.0 mm x 11.52 kg	12" x 31.8# / 304.8 mm x 14.42 kg	15" x 42.9# / 381.0 mm x 19.46 kg	15" x 42.9# / 381.0 mm x 19.46 kg
Weight	1,260 lbs / 571.53 kg	1,320 lbs / 598.74 kg	1,370 lbs / 621.42 kg	1,455 lbs / 659.98 kg	1,511 lbs / 685.38 kg	1,627 lbs / 737.99 kg
Under Beam Clearance Height	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm	10' 5" / 3170 mm
Under Chain Container Clearance Height	8' 5" / 2570 mm	8' 5" / 2570 mm	8' 5" / 2570 mm	8' 5" / 2570 mm	8' 5" / 2570 mm	8' 5" / 2570 mm
Max A.C. Amp Draw with Hoist at 480V / 3Ph / 60Hz ⁴	6.8 Amp	6.8 Amp	6.8 Amp	6.8 Amp	6.8 Amp	6.8 Amp
Travel Speed	45 FPM / .2286 MPS	45 FPM / .2286 MPS	45 FPM / .2286 MPS	45 FPM / .2286 MPS	45 FPM / .2286 MPS	45 FPM / .2286 MPS
A-Frame Base Width	68" / 1727.20 mm	68" / 1727.20 mm	68" / 1727.20 mm	68" / 1727.20 mm	68" / 1727.20 mm	68" / 1727.20 mm

Notes:

- 12" Clearance recommended on each side
- Dimension should not be used for track installation due to varying crown of I-beams
- Dimension does not include cable festoon
- Consult factory for additional voltage and 50Hz



Specifications are subject to change without notice. ©2009, Battery Handling Systems Inc. St. Louis, MO Data Sheet: SF-1400 10/08 SM