

Gantry Cranes



BHS Gantry Cranes provide safe and easy vertical extraction for most standard lift truck batteries. They are significantly more cost-effective than bridge cranes and expansion options are available to keep pace with business growth.

Gantry Crane Non-Power Drive

This BHS Non-Power Drive Gantry Crane (PGC) is available in 2 ton (4,000 lb / 1814 kg capacity) and 3 ton (6,000 lb / 2722 kg capacity) models with special capacities, heights and beam spans.

Features & Benefits

- Provide for a safe and easy vertical extraction for most standard lift truck batteries
- Modular design allows for easy system expansion
- A variety of beam spans and capacities are available for specific applications
- Large swivel casters are standard to allow for easy mobility of the entire gantry crane
- High 10' (3 m) under beam clearance is standard on all units
- Cable Festoon Kit keeps cables secure during operation of manual trolley

Available Options

Phenolic Wheel (PGC-PHEN)

Rigid phenolic casters for use with Single Guidance Track (SGT-C3)

12' Underbeam (PGC-12UB)

For applications requiring 12' (3.7 m) under beam clearance

Floor Mount (PGC-FM)

Allows for rigid mounting of gantry directly to the floor



Gantry Crane Power Drive

The all electric Power Drive Gantry Cranes (PGC-PDC) can be tailored to suit your application and are available in 2 ton (4,000 lb / 1814 kg capacity) and 3 ton models (6,000 lb / 2722 kg capacity).

Features & Benefits

- Provide for a safe and easy vertical extraction for most standard lift truck batteries
- Modular design allows for easy system expansion
- A variety of standard heights, beam spans, and capacities are available for specific applications
- For acceleration/deceleration of the gantry, the latest variable frequency drive technology provides smooth transitions
- High 10' 5" (3.2 m) under beam clearance is standard on all units
- Cable Festoon Kit keeps cables secure during operation of motorized trolley

Available Options

Eight Button Pendant Control (PGC-8PEND)

Remote pendant contains eight buttons for multi-directional control and disconnection of system power from one central location

12' Underbeam (PGC-12UB)

For applications requiring 12' (3.7 m) under beam clearance

Poly Drive Option (PGC-POLY)

Available for powered gantry cranes utilizing single or dual sided guidance 4" (102 mm) C-channel track



Required Accessories

Dual Guidance Track - V-Groove (DGT-V)

Standard V-groove track is available for Power Drive and Non-Power Drive Gantry Cranes on a per foot basis, comes in two sections, and V-groove compatible wheels come standard when DGT-V is used

Single Guidance Track - 3" C-Channel (SGT-C3)

3" (76 mm) C-channel designed for use with phenolic wheel option on Non-Power Drive Gantry Cranes

Single Guidance Track - 4" C-Channel (SGT-C4)

4" (102 mm) C-channel designed for Power Drive Gantry Cranes that utilize the polyurethane wheel option

Dual Guidance Track - 4" C-Channel (DGT-C4)

4" (102 mm) C-channel track, dual sided design for Power Drive Gantry Cranes that utilize the Poly Drive Option

Track End Stop (TRK-ES)

Steel stops prevent system from running off guidance track

Track End Stop with Rubber Bumper (TRK-ES-RB)

Steel stops with rubber bumpers prevent system from running off guidance track

Battery Lifting Beam (BLB-6000)

Hardwood constructed beam has a 6,000 lb (2722 kg) capacity with 27.5" to 42.5" (699 mm to 1080 mm) adjustable clear span

Battery Lifting Beam (BLB-6000-48)

Hardwood constructed beam has a 6,000 lb (2722 kg) capacity with 35.5" to 50.5" (902 mm to 1283 mm) adjustable clear span

Load Hog Battery Lifting Beam (BLB-6000-LHG) or 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

Battery Lifting Beam—Four Point (BLB-4PT)

Hardwood constructed beam has a 6,000 lb (2722 kg) capacity with 25.5" to 40.5" (648 mm to 1029 mm) adjustable clear span and four hooks for multi-point lifting

Battery Lifting Beam—Four Point (BLB-4PT48)

Hardwood constructed beam has a 6,000 lb (2722 kg) capacity with 32.5" to 47.5" (825 mm to 1206 mm) adjustable clear span and four hooks for multi-point lifting

Power Cable Reel (PCR-50)

50' (15.24 m) permanent tension mounted cable reel keeps the electrical cord taut and secure during operation

Power Cable Reel (PCR-85)

85' (25.91 m) 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

Electric Hoist & Manual Ball 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

Electric Hoist & Motorized Trolley Kit (2B)**

2 ton electric chain hoist with motorized trolley, chain container, and six button pendant

Note: Kit is required for PGC-PDC models

Electric Hoist & Manual Ball Trolley Kit (3A)**

3 ton electric chain hoist with manual trolley, chain container, and two button pendant

Electric Hoist & Motorized Trolley Kit (3B)**

3 ton electric chain hoist with motorized trolley, chain container, and six button pendant

Note: Kit is required for 3PGC-PDC models



Dual Guidance Track -
V-Groove



Battery Lifting Beam



Power Cable Reel



2 Ton Electric Hoist &
Motorized Trolley Kit

* Requires single phase power (120/240 V ac)

** Requires three phase power (240/480 V ac)

Non-Power Drive Gantry Crane (2 Ton)

	PGC-10	PGC-12	PGC-14	PGC-16	PGC-18
Capacity	4,000 lb / 1814 kg	4,000 lb / 1814 kg	4,000 lb / 1814 kg	4,000 lb / 1814 kg	4,000 lb / 1814 kg
Clear Between "A" Frame	10' / 3048 mm	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm
Overall Beam Length	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm
Overall Length Dimension	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm
Overall System Length ¹	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm	22' / 6706 mm
Nominal Track / Wheel Distance ²	11' 5" / 3480 mm	13' 5" / 4089 mm	15' 5" / 4699 mm	17' 5" / 5309 mm	19' 5" / 5918 mm
Overall Height	10' 9" / 3277 mm	10' 9" / 3277 mm	10' 11" / 3327 mm	10' 11" / 3327 mm	11' 1" / 3378 mm
I-Beam Size	8" x 23 lb / 203 mm x 10.43 kg	8" x 23 lb / 203 mm x 10.43 kg	10" x 25.4 lb / 254 mm x 11.52 kg	10" x 25.4 lb / 254 mm x 11.52 kg	12" x 31.8 lb / 305 mm x 14.42 kg
Weight	850 lb / 386 kg	890 lb / 404 kg	940 lb / 426 kg	995 lb / 451 kg	1225 lb / 556 kg
Under Beam Clearance Height	10' 1" / 3073 mm	10' 1" / 3073 mm	10' 1" / 3073 mm	10' 1" / 3073 mm	10' 1" / 3073 mm
A-Frame Base Width	64" / 1626 mm	64" / 1626 mm	64" / 1626 mm	64" / 1626 mm	64" / 1626 mm

Non-Power Drive Gantry Crane (3 Ton)

	3PGC-10	3PGC-12	3PGC-14	3PGC-16	3PGC-18
Capacity	6,000 lb / 2722 kg	6,000 lb / 2722 kg	6,000 lb / 2722 kg	6,000 lb / 2722 kg	6,000 lb / 2722 kg
Clear Between "A" Frame	10' / 3048 mm	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm
Overall Beam Length	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm
Overall Length Dimension	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm
Overall System Length ¹	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm	22' / 6706 mm
Nominal Track / Wheel Distance ²	11' 5" / 3480 mm	13' 5" / 4089 mm	15' 5" / 4699 mm	17' 5" / 5309 mm	19' 5" / 5918 mm
Overall Height	10' 9" / 3277 mm	10' 11" / 3327 mm	10' 11" / 3327 mm	11' 1" / 3378 mm	11' 4" / 3454 mm
I-Beam Size	8" x 23 lb / 203 mm x 10.43 kg	10" x 25.4 lb / 254 mm x 11.52 kg	10" x 25.4 lb / 254 mm x 11.52 kg	12" x 31.8 lb / 305 mm x 14.42 kg	15" x 42.9 lb / 381 mm x 19.46 kg
Weight	900 lb / 408 kg	950 lb / 431 kg	1,000 lb / 454 kg	1,110 lb / 503 kg	1,305 lb / 592 kg
Under Beam Clearance Height	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm
A-Frame Base Width	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm

Notes:

1. 12" (305 mm) Minimum clearance recommended on each side
2. Dimension should not be used for track installation due to varying crown of I-beams

Power Drive Gantry Crane (2 Ton)

	PGC-10PDC	PGC-12PDC	PGC-14PDC	PGC-16PDC	PGC-18PDC	PGC-20PDC
Capacity	4,000 lb / 1814 kg	4,000 lb / 1814 kg	4,000 lb / 1814 kg	4,000 lb / 1814 kg	4,000 lb / 1814 kg	4,000 lb / 1814 kg
Clear Between "A" Frame	10' / 3048 mm	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm
Overall Beam Length	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm	22' / 6706 mm
Overall Length Dimension	12' 9" / 3886 mm	14' 9" / 4496 mm	16' 9" / 5105 mm	18' 9" / 5715 mm	20' 9" / 6325 mm	22' 9" / 6934 mm
Overall System Length ¹	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm	22' / 6706 mm	24' / 7315 mm
Nominal Track / Wheel Distance ²	11' 5" / 3480 mm	13' 5" / 4089 mm	15' 5" / 4699 mm	17' 5" / 5309 mm	19' 5" / 5918 mm	21' 5" / 6528 mm
Overall Height ³	11' 1" / 3378 mm	11' 1" / 3378 mm	11' 3" / 3429 mm	11' 3" / 3429 mm	11' 5" / 3480 mm	11' 5" / 3480 mm
I-Beam Size	8" x 23 lb / 203 mm x 10.43 kg	8" x 23 lb / 203 mm x 10.43 kg	10" x 25.4 lb / 254 mm x 11.52 kg	10" x 25.4 lb / 254 mm x 11.52 kg	12" x 31.8 lb / 305 mm x 14.42 kg	12" x 31.8 lb / 305 mm x 14.42 kg
Weight	1,260 lb / 572 kg	1,285 lb / 583 kg	1,320 lb / 599 kg	1,345 lb / 610 kg	1,425 lb / 646 kg	1,490 lb / 676 kg
Under Beam Clearance Height	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm
Under Chain Container Clearance Height	8' 5" / 2565 mm	8' 5" / 2565 mm	8' 5" / 2565 mm	8' 5" / 2565 mm	8' 5" / 2565 mm	8' 5" / 2565 mm
Max A.C. Amp Draw with Hoist at 480 V / 3 ph / 60 Hz⁴	5.2 Amp	5.2 Amp	5.2 Amp	5.2 Amp	5.2 Amp	5.2 Amp
Travel Speed	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s
A-Frame Base Width	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm

Power Drive Gantry Crane (3 Ton)

	3PGC-10PDC	3PGC-12PDC	3PGC-14PDC	3PGC-16PDC	3PGC-18PDC	3PGC-20PDC
Capacity	6,000 lb / 2722 kg	6,000 lb / 2722 kg	6,000 lb / 2722 kg	6,000 lb / 2722 kg	6,000 lb / 2722 kg	6,000 lb / 2722 kg
Clear Between "A" Frame	10' / 3048 mm	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5490 mm	20' / 6100 mm
Overall Beam Length	12' / 3658 mm	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6100 mm	22' / 6710 mm
Overall Length Dimension	12' 9" / 3886 mm	14' 9" / 4496 mm	16' 9" / 5105 mm	18' 9" / 5715 mm	20' 9" / 6325 mm	22' 9" / 6934 mm
Overall System Length ¹	14' / 4267 mm	16' / 4877 mm	18' / 5486 mm	20' / 6096 mm	22' / 6706 mm	24' / 7315 mm
Nominal Track / Wheel Distance ²	11' 5" / 3480 mm	13' 5" / 4089 mm	15' 5" / 4699 mm	17' 5" / 5309 mm	19' 5" / 5918 mm	21' 5" / 6528 mm
Overall Height ³	11' 1" / 3378 mm	11' 3" / 3429 mm	11' 3" / 3429 mm	11' 5" / 3480 mm	11' 8" / 3556 mm	11' 8" / 3556 mm
I-Beam Size	8" x 23 lb / 203 mm x 10.43 kg	10" x 25.4 lb / 254 mm x 11.52 kg	10" x 25.4 lb / 254 mm x 11.52 kg	12" x 31.8 lb / 305 mm x 14.42 kg	15" x 42.9 lb / 381 mm x 19.46 kg	15" x 42.9 lb / 381 mm x 19.46 kg
Weight	1,260 lb / 572 kg	1,320 lb / 599 kg	1,370 lb / 621 kg	1,455 lb / 660 kg	1,511 lb / 685 kg	1,627 lb / 738 kg
Under Beam Clearance Height	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm	10' 5" / 3175 mm
Under Chain Container Clearance Height	8' 5" / 2565 mm	8' 5" / 2565 mm	8' 5" / 2565 mm	8' 5" / 2565 mm	8' 5" / 2565 mm	8' 5" / 2565 mm
Max A.C. Amp Draw with Hoist at 480 V / 3 ph / 60 Hz⁴	6.8 Amp	6.8 Amp	6.8 Amp	6.8 Amp	6.8 Amp	6.8 Amp
Travel Speed	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s	45 ft/min / 0.23 m/s
A-Frame Base Width	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm	68" / 1727 mm

Notes:

1. 12" (305 mm) Clearance recommended on each side
2. Dimension should not be used for track installation due to varying crown of I-beams
3. Dimension does not include cable festoon
4. Consult factory for additional voltage and 50 Hz

