

# PORTA-GANTRY® 500-5000



Unique portable gantry system that can safely lift up to 5000kg, with manual assembly on just 4 bolts.



500 - 5000KG WLL



1-4 People



92 - 294KG Flat Pack



EN795

(S) = Small (M) = Medium (I) = Intermediate (T) = Tall (see table)

Innovative, lightweight, portable, safe and very strong, the *PORTA-GANTRY* lifting system is the number one choice for organisations seeking safe, multiple location lifting solutions and a healthy return on investment. Its unique capabilities have proven to satisfy Finance, Operations, Health & Safety as well as users.

**NEW 2019**

## EASY CONVERSION TO WINCHED GANTRY

Beams are ready to accept the sheave carrier and A-Frames are ready to accept any winch brackets. A winch kit is required to convert the gantry system for winched use.



ASSEMBLY VIDEO



**NEW 2019**

Gated trolley



## PORTA-GANTRY 500 - 5000 Information:

- **GOODS WLL** From 500kg up to 5000kg (depending on model)
- **PERSONNEL WLL** Maximum combined personnel lifting capacity up to 2000kg (depending on model)
- **3-5 PERSON FALL ARREST** (500 & 1000 - 3 persons, 2000, 3000 & 5000 - 5 persons). In conformity with PD CEN/TS16415:2013
- **1 PERSON FALL ARREST** EN795:2012 certified - as part of an EN363 compliant system and in conformity with ANSI Z359.18-17 and AS/NZS 5532:2013
- **ROPE ACCESS** Conforms to IRATA International Code of Practice for industrial rope access
- **ATEX** All models suitable for use in ATEX Zone 2 explosive atmospheres. ATEX Zone 1 is available as an upgrade
- **LIGHTWEIGHT & PORTABLE** With easy on-site assembly within manual handling guidelines:
  - 4 portable parts assembled on just 4 bolts
  - Simple 'scissoring' assembly in just 2-5 minutes
- **ERGONOMIC**
  - 360° swivel-locking castors as standard
  - Simple, manual height and span adjustment
  - Ultra-safe captive trolley
  - Ergonomic design of profiles, handles, etc.
- **STABLE** Bolted structure, lateral beam and leg bracing features
- **CONFIGURATIONS** Variety of standard configurations available, plus customisation for specific requirements and interchangeable components (subject to WLL rating)
- **OPTIONAL EXTRAS**
  - Universal Wind-up Jack Legs
  - Lobed Cheek-plates (inboard scissoring)
  - Jointed Beams
  - Gated Trolley **NEW 2019** (available on most options)
  - Geared Trolley
  - Rope Controlled Trolley



# PORTA-GANTRY® 500-5000

An industry 1st - The PORTA-GANTRY 5000 is highly portable, safe and manually operated.



500 -  
5000KG  
WLL



1-4  
People



92 - 294KG  
Flat Pack



EN795

[See table for frame size options]

## An industry 1st:

The WLL 5000kg PORTA-GANTRY is a first in the industry for assembly. Following the design principles of all of the range, the PORTA-GANTRY 5000kg is highly portable, safe and manually operated.



ASSEMBLY  
VIDEO



'IN DEPOT'  
HANDLING

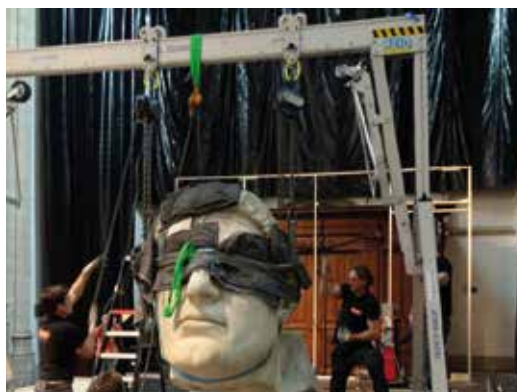


'WHEEL BARROW'  
HANDLING

## PORTA-GANTRY 5000 Information:

- **GOODS WLL** 5000kg rating - available in I, T, TC4 and TC3 standard frame sizes plus customisation [see table]
- **PERSONNEL WLL** Maximum combined personnel positioning capacity of up to 2000kg
- **5 PERSON FALL ARREST** In conformity with PD CEN/ TS16415:2013
- **1 PERSON FALL ARREST** EN795:2012 certified - as part of an EN363 compliant system and in conformity with ANSI Z359.18-17 and AS/NZS 5532:2013
- **ROPE ACCESS** Conforms to IRATA International Code of Practice for industrial rope access
- **LIGHTWEIGHT & PORTABLE**
  - 'Wheel barrow' handling in field with just two people required
  - Mechanical assembly aid reducing manual handling (utilises standard chain block)
  - Manual handling compliance: 2 person assembly with mechanical aid, 4 person assembly without tools
- **ERGONOMIC**
  - Stabiliser leg deployment, vertical 'in depot' handling by just one person
  - 'Wheel barrow' handling of A-frame 'in field' by 2 people for safety
  - Geared hand-wheel or optional ratchet operation of beam height adjustment

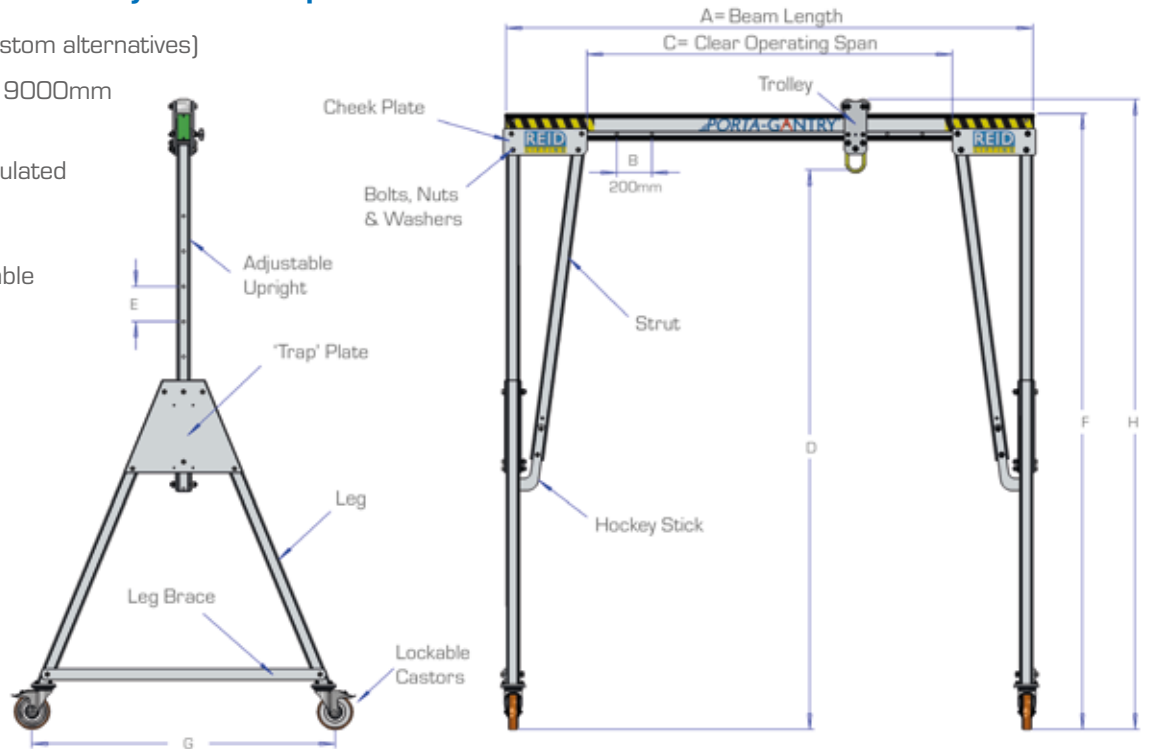
Notified Body Approval SGS UK [0120]; Patented design.



No compromise on strength or safety.  
Custom configurations are available across the range.

Each **PORTA-GANTRY** system comprises:

- 2 x A-Frames (or custom alternatives)
- Beam lengths up to 9000mm (WLL dependent)
- Trolley - fully encapsulated for safety
- **NEW 2019**
- Gated trolley - available on most options



**PORTA-GANTRY** beam options

|                 |      | Standard Beam Length A (mm) (Clear Operating Span C = A - 920 mm) |      |      |      |      |      |      |      | A                         | C                         |
|-----------------|------|---|------|------|------|------|------|------|------|---------------------------|---------------------------|
|                 |      | 2500  | 3000 | 3920 | 4570 | 5500 | 6000 | 8400 | 9000 | Standard Beam Length (mm) | Clear Operating Span (mm) |
| WLL Rating (kg) | 500  | 19  | 22   | 29   | 34   | 41   | 44   | 62   | 66   | 2500                      | 1580                      |
|                 | 1000 | 19  | 22   | 29   | 34   | 41   | 44   | 79   | 84   | 3000                      | 2080                      |
|                 | 2000 | 19  | 22   | 29   | 34   | 52   | 93   | 130  | X    | 3920                      | 3000                      |
|                 | 3000 | 19  | 22   | 37   | 43   | 85   | 93   | 130  | X    | 4570                      | 3650                      |
|                 | 5000 | 39  | 47   | 61   | 71   | 85   | X    | X    | X    | 5500                      | 4580                      |
|                 |      | Weight of Beams (kg)  |      |      |      |      |      |      |      | 6000                      | 5080                      |



## Beam Height Adjustment

The height of each gantry beam is easily adjusted by the release of 2 bolts on each upright and can be easily and safely raised into position by increments of 200 or 150mm. To assist with this activity a geared wheel or ratchet system is provided for the larger gantries; manual height adjustment on smaller frames.

### PORTA-GANTRY Detailed Dimensions (mm)

| WLL (kg)  | Frame size   | D <sub>max</sub>          | E                |  | D <sub>min</sub>          | F                         | H <sub>max</sub>            | H <sub>min</sub>            | G     | A-Frame Weight (kg) (approx.) | Trolley roller size | Castor Diam |
|---|--|---------------------------|------------------|--|---------------------------|---------------------------|-----------------------------|-----------------------------|-------|-------------------------------|---------------------|-------------|
|   |  | Max height to lifting eye | Height increment |  | Min height to lifting eye | Max height to top of beam | Max height to top of roller | Min height to top of roller | Width |                               |                     |             |
| 500 / 1000  | S  | 2355                      | 5 x 150          |  | 1605                      | 2675                      | 2757                        | 2007                        | 1212  | 29                            | 82                  | 150         |
|   | M  | 2851                      | 5 x 150          |  | 2101                      | 3171                      | 3253                        | 2503                        | 1429  | 37                            | 82                  | 150         |
|   | I  | 3188                      | 5 x 200          |  | 2188                      | 3499                      | 3581                        | 2581                        | 1726  | 45                            | 82                  | 200         |
|   | T  | 4079                      | 6 x 200          |  | 2879                      | 4399                      | 4481                        | 3281                        | 2011  | 50                            | 82                  | 200         |
|   | TC4  | 4527                      | 6 x 200          |  | 3327                      | 4847                      | 4930                        | 3730                        | 2234  | 77                            | 82                  | 200         |
|   | TC3  | 5027                      | 6 x 200          |  | 3827                      | 5347                      | 5430                        | 4230                        | 2557  | 82                            | 82                  | 200         |
|   | TC2  | 5527                      | 8 x 200          |  | 3927                      | 5848                      | 5930                        | 4330                        | 2733  | 87                            | 82                  | 200         |
|   | TC1  | 5829                      | 9 x 200          |  | 4029                      | 6149                      | 6231                        | 4431                        | 2733  | 90                            | 82                  | 200         |
| 2000  | S  | 2355                      | 5 x 150          |  | 1605                      | 2675                      | 2757                        | 2007                        | 1212  | 32                            | 82                  | 150         |
|   | M  | 2851                      | 5 x 150          |  | 2101                      | 3171                      | 3253                        | 2503                        | 1429  | 37                            | 82                  | 150         |
|   | I  | 3188                      | 5 x 200          |  | 2188                      | 3499                      | 3581                        | 2581                        | 1726  | 45                            | 82                  | 200         |
|   | T  | 4079                      | 6 x 200          |  | 2879                      | 4399                      | 4481                        | 3281                        | 2011  | 50                            | 82                  | 200         |
|   | TC4  | 4527                      | 6 x 200          |  | 3327                      | 4847                      | 4930                        | 3730                        | 2234  | 77                            | 82                  | 200         |
|   | TC3  | 5027                      | 6 x 200          |  | 3827                      | 5347                      | 5430                        | 4230                        | 2557  | 82                            | 82                  | 200         |
|   | TC2  | 5527                      | 8 x 200          |  | 3927                      | 5848                      | 5930                        | 4330                        | 2733  | 87                            | 82                  | 200         |
|   | TC1  | 5829                      | 9 x 200          |  | 4029                      | 6149                      | 6231                        | 4431                        | 2733  | 90                            | 82                  | 200         |
| 3000  | S  | 2410                      | 5 x 150          |  | 1660                      | 2730                      | 2812                        | 2062                        | 1212  | 48                            | 82                  | 200         |
|   | M  | 2906                      | 5 x 150          |  | 2156                      | 3226                      | 3308                        | 2558                        | 1429  | 53                            | 82                  | 200         |
|   | I  | 3188                      | 5 x 200          |  | 2188                      | 3499                      | 3581                        | 2581                        | 1726  | 66                            | 82                  | 200         |
|   | T  | 4079                      | 6 x 200          |  | 2879                      | 4399                      | 4481                        | 3281                        | 2011  | 72                            | 82                  | 200         |
|   | TC4  | 4527                      | 6 x 200          |  | 3327                      | 4847                      | 4930                        | 3730                        | 2234  | 77                            | 82                  | 200         |
|   | TC3  | 5027                      | 6 x 200          |  | 3827                      | 5347                      | 5430                        | 4230                        | 2557  | 82                            | 82                  | 200         |
|   | TC2  | 5527                      | 8 x 200          |  | 3927                      | 5848                      | 5930                        | 4330                        | 2733  | 87                            | 82                  | 200         |
| 5000  | I  | 3181                      | 5 x 200          |  | 2181                      | 3592                      | 3717                        | 2717                        | 1736  | 88*                           | 125                 | 200         |
|   | T  | 4049                      | 6 x 200          |  | 2849                      | 4487                      | 4612                        | 3412                        | 2021  | 99*                           | 125                 | 200         |
|   | TC4  | 4500                      | 6 x 200          |  | 3300                      | 4938                      | 5062                        | 3862                        | 2234  | 90                            | 125                 | 200         |
|   | TC3  | 5000                      | 6 x 200          |  | 3800                      | 5438                      | 5562                        | 4362                        | 2557  | 95                            | 125                 | 200         |
|   | S & M versions also available as custom systems    = Manual  = Ratchet  = Geared |                           |                  |  |                           |                           |                             |                             |       |                               |                     |             |
| WLL 5000kg dimensions systems are shown using the deeper 'D' section beam |  |                           |                  |  |                           |                           |                             |                             |       |                               |                     |             |

Dimensions use standard **Master Link Trolley**, other options available to increase resulting height of lift (HoL) and to assist with load movement.

\*Weight includes stabiliser legs