

# 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

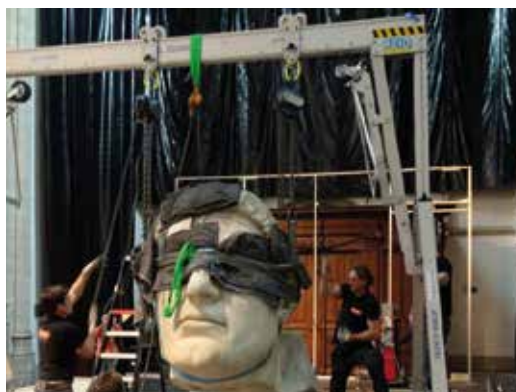


'WHEEL BARROW'  
HANDLING

## 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

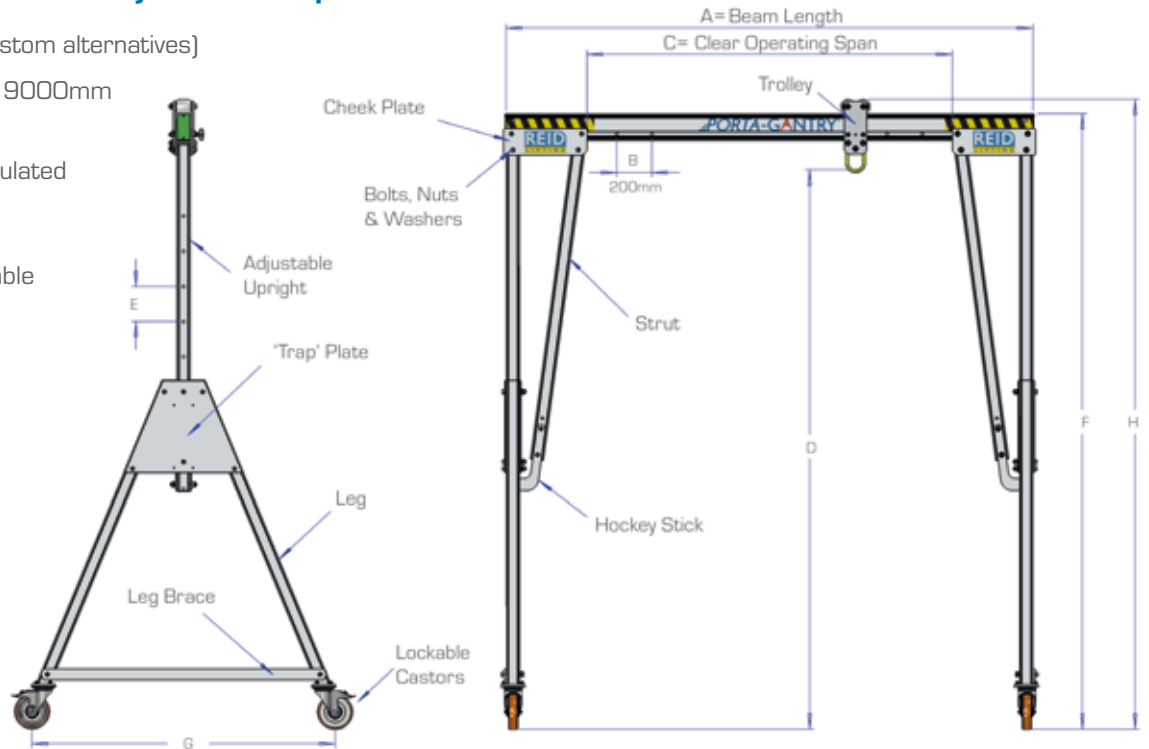
Notified Body Approval SGS UK [0120]; Patented design.



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		
	1000	19	22	29	34	41	44	79	84	2500	1580
	2000	19	22	29	34	52	93	130	X	3000	2080
	3000	19	22	37	43	85	93	130	X	3920	3000
	5000	39	47	61	71	85	X	X	X	4570	3650
		Weight of Beams (kg)								5500	4580
										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