

# LRG & LPG SERIES

## PORTABLE ALUMINIUM GANTRY CRANE



Clescrane retains the rights to change on product design and specs.  
At any time, when purchase and delivery,  
Subject to our actual products.



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# ABOUT US

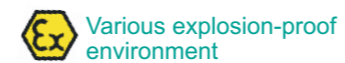
If someone asks me what your core business is, I will say that automatic paper roll warehousing and biomass straw bale warehousing are our core competitiveness. We focus on familiar areas of expertise to help clients increase their productivity, enhance their businesses, and increase the value of their products. We have professional service partners in target markets around the world, which enables us to provide turnkey services and long term maintenance services for local customers. Both quality and values are important when choosing business partners. We care about the health and development of every employee. We provide professional training, longer holidays and more company for family members. Employees are our greatest wealth, we believe that a company can develop in the long run, then he must love his employees, good corporate culture, shape our core values. "I won't sell the future for short term profit", CLESCRANE is here for you.



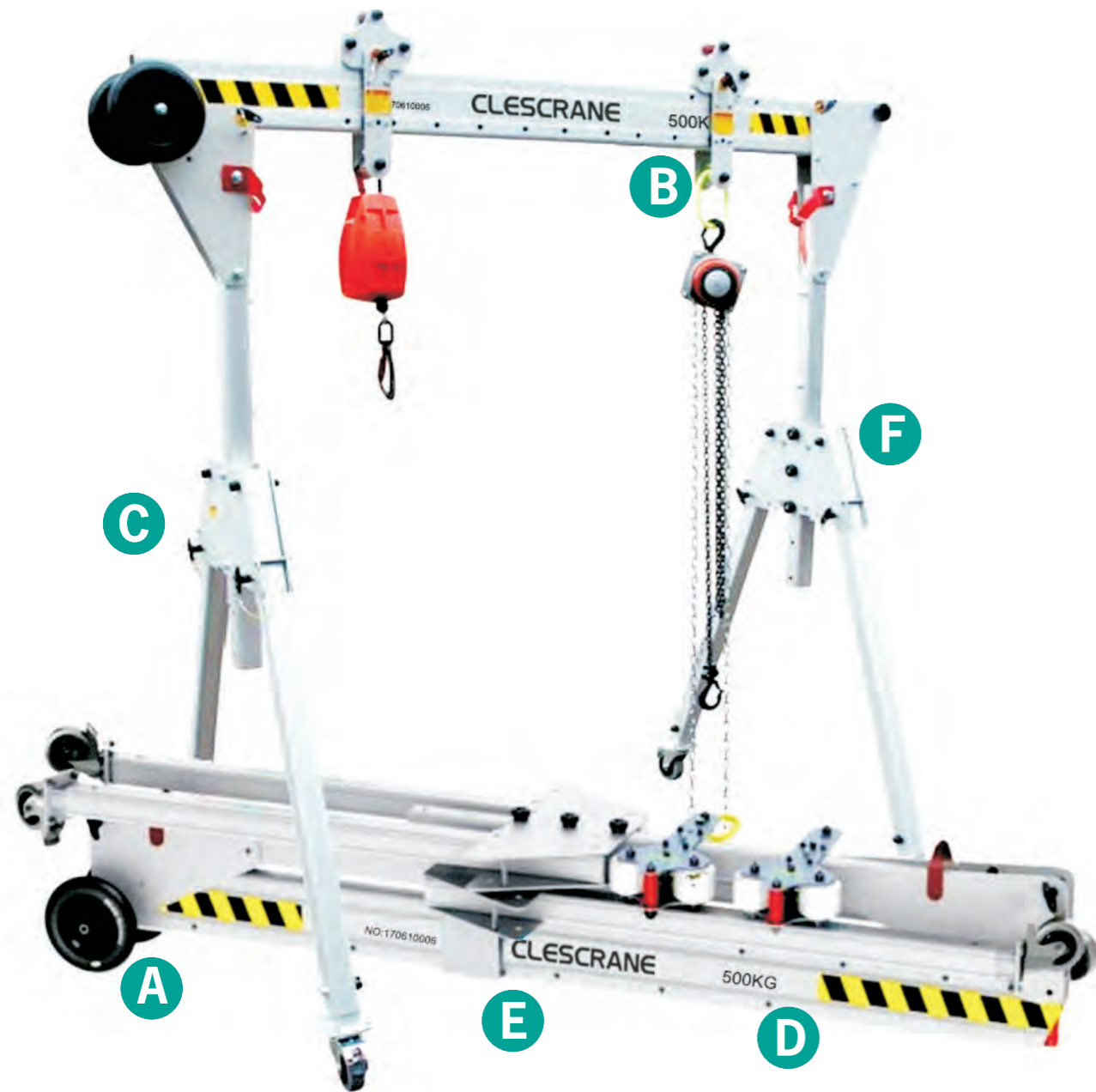
# LRG Series Aluminum Gantry Crane

**Convenient and quick to install portable crane has brought a new solution for the lifting and handling of goods**

- Portable quick-mounted hand push gantry crane
- Its design according to standard: EN795B
- Convenient, quick installation
- Modular design
- Capable to lift heavy objects to 1000kg weight
- Capable to lift personnel to 500kg weight



# Advantages



### Portability

- ▶ Only need 1-2 people to transport and carry
- ▶ Self-weight only 33kg



### Compactness

- ▶ Foldable aluminum alloy structure
- ▶ After folding it becomes compact and easy to carry



### Load trolley

- ▶ Simple and quick installation
- ▶ The wheels are made of high strength nylon



### Packing and shipping

- ▶ Use non-fumigation wooden box for export packaging



### Quick release latch

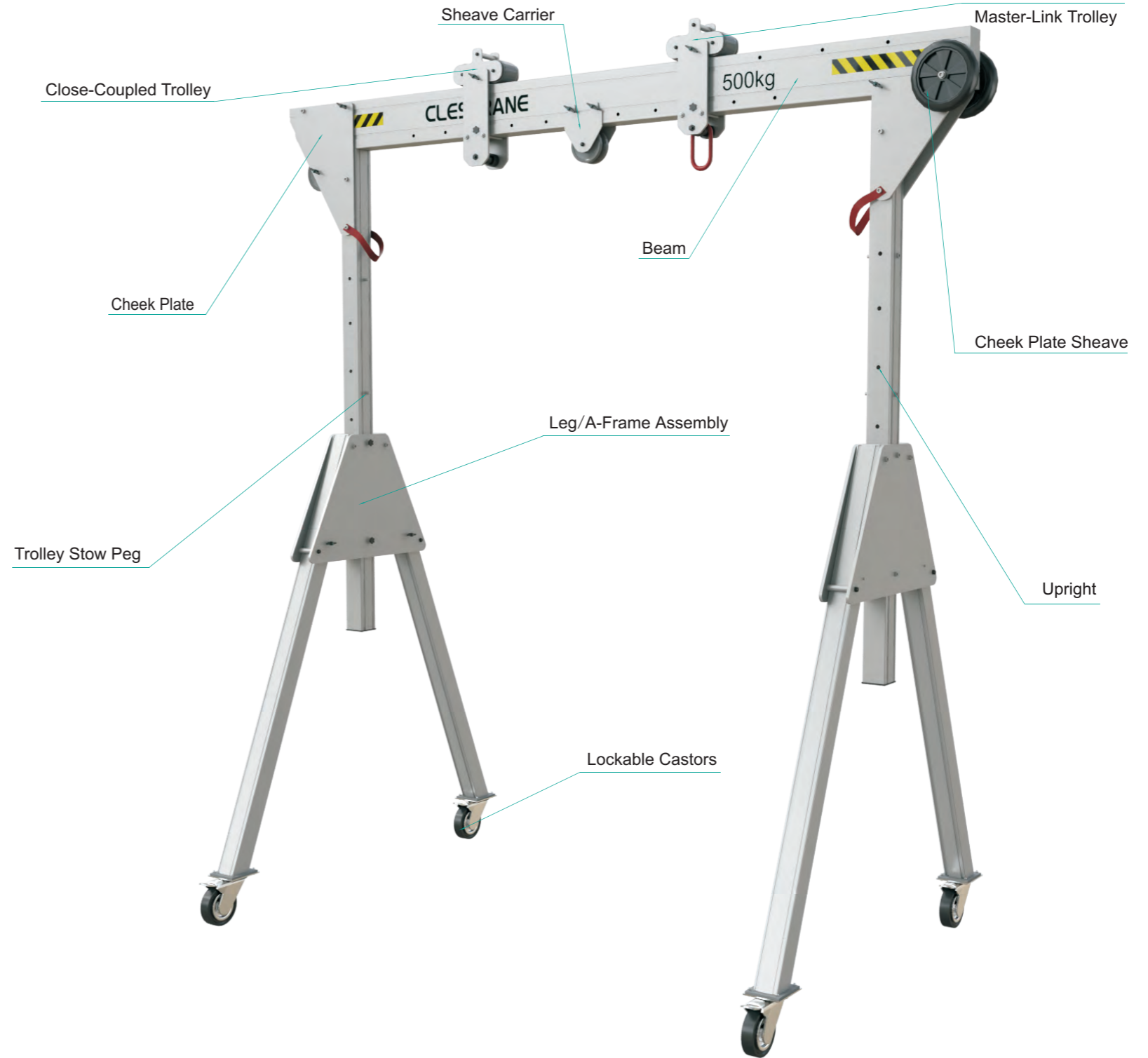
- ▶ Only need to change the quick latch, no need other tools
- ▶ It just need 1 minute to plug in and out with 6 pins



### Optional accessories

- ▶ Manual winch
- ▶ Chain hoists, belt

# Main Parts



## Main Features

### Capacity to lift goods and personnel:

Capable to lift heavy objects to 1000kg weight

Capable to lift personnel beings to 500kg weight

It can lift 3 personnel at the same time if adopt optional accessories.

Design follows standard: EN795 Class B , OSHA, ANSI, CSA

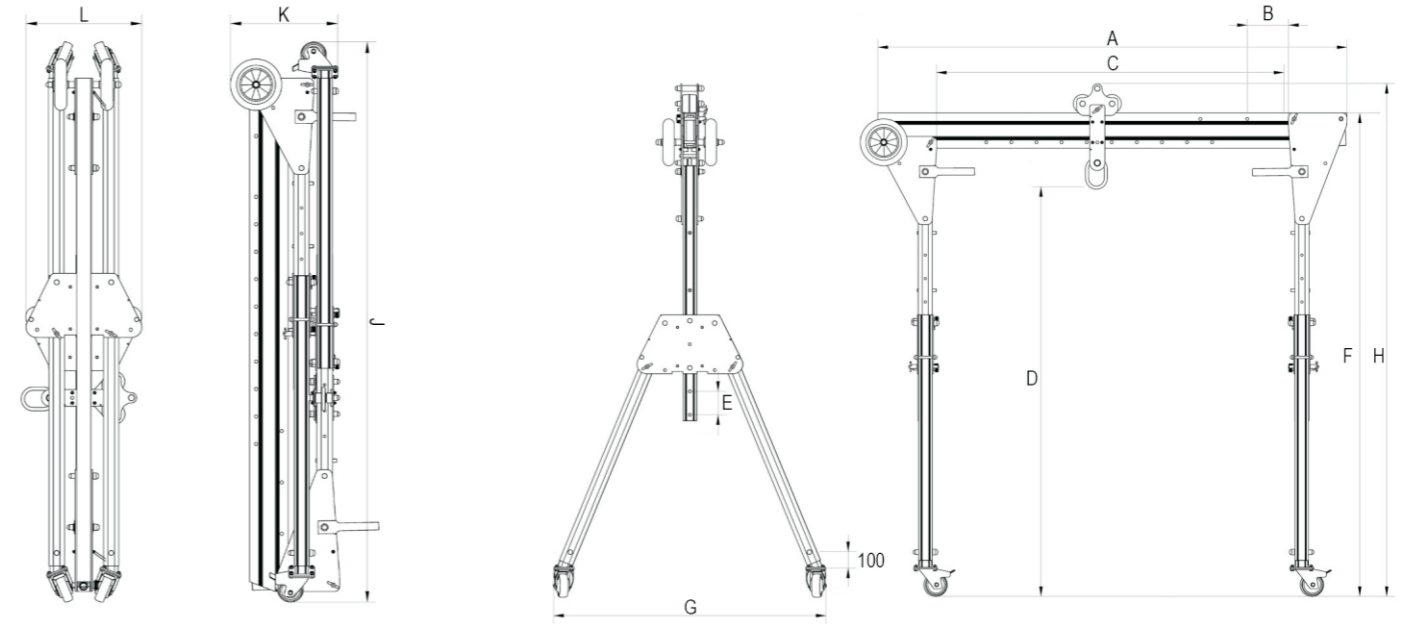
### Adopt universal castors with brake, for easy positioning

### Adjustable span for cross beam, customized length

\* When cargo is loaded at the same time reduced the risk of crashes

\*\* Suitable for domestic and European standards

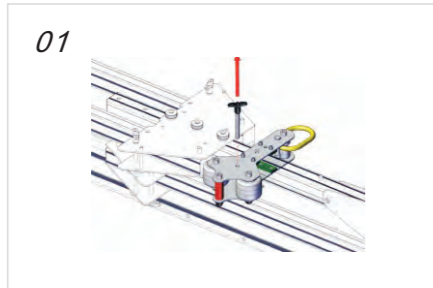
\*\*\* Step on the foot brake when lifting goods, and fix the trolley



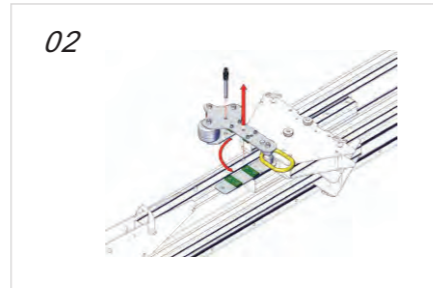
## Technical data

| Model   | Dimension parameters(mm) |       |           |           |       |           |      |           |      |     |     | Load Capacity (Kg) | Lifting personnel |             | Dead weight (kg) |
|---------|--------------------------|-------|-----------|-----------|-------|-----------|------|-----------|------|-----|-----|--------------------|-------------------|-------------|------------------|
|         | A                        | B     | C         | D         | E     | F         | G    | H         | J    | L   | K   |                    | Quantity          | Weight (Kg) |                  |
| LRGS20  | 2000                     | 2x200 | 1100-1500 | 1737-2237 | 5x100 | 1941-2441 | 1158 | 2066-2566 | 2080 | 440 | 420 | 500                | 3                 | 250         | 33               |
| LRGS23  | 2300                     | 3x200 | 1200-1800 |           |       |           |      |           |      |     |     | 400                | 2                 | 200         | 35               |
| LRGS40  | 4000                     | 4x200 | 2700-3500 |           |       |           |      |           |      |     |     | 250                | 1                 | 125         | 40               |
| LRGM20  | 2000                     | 2x200 | 1100-1500 | 1732-2332 | 6x100 | 1945-2545 | 1215 | 2070-2670 | 2080 | 440 | 420 | 400                | 2                 | 200         | 35               |
| LRGM23  | 2300                     | 3x200 | 1200-1800 |           |       |           |      |           |      |     |     | 400                | 2                 | 200         | 36               |
| LRGM40  | 4000                     | 4x200 | 2700-3500 |           |       |           |      |           |      |     |     | 250                | 1                 | 125         | 41               |
| LRGT20  | 2000                     | 2x200 | 1100-1500 | 2205-3105 | 9x100 | 2419-3319 | 1586 | 2544-3444 | 2645 | 440 | 420 | 250                | 1                 | 125         | 39               |
| LRGT23  | 2300                     | 3x200 | 1200-1800 |           |       |           |      |           |      |     |     | 250                | 1                 | 125         | 40               |
| LRGT40  | 4000                     | 4x200 | 2700-3500 |           |       |           |      |           |      |     |     | 250                | 1                 | 125         | 45               |
| LRG1S20 | 2000                     | 2x200 | 1102-1502 | 1554-2054 | 5x100 | 1827-2327 | 1242 | 1909-2409 | 2077 | 536 | 464 | 1000               | 3                 | 500         | 45               |
| LRG1S30 | 3000                     | 3x200 | 1902-2502 |           |       |           |      |           |      |     |     | 1000               | 3                 | 500         | 53               |
| LRG1S40 | 4000                     | 3x200 | 1902-3502 |           |       |           |      |           |      |     |     | 500                | 3                 | 500         | 58               |
| LRG1M20 | 2000                     | 2x200 | 1102-1502 | 1864-2564 | 7x100 | 2066-2766 | 1440 | 2148-2848 | 2200 | 536 | 464 | 1000               | 3                 | 500         | 49               |
| LRG1M30 | 3000                     | 3x200 | 1902-2502 |           |       |           |      |           |      |     |     | 1000               | 3                 | 500         | 54               |
| LRG1M40 | 4000                     | 3x200 | 1902-3502 |           |       |           |      |           |      |     |     | 500                | 3                 | 500         | 59               |
| LRG1T20 | 2000                     | 2x200 | 598-1050  | 2104-3004 | 9x100 | 2306-3206 | 1639 | 2388-3288 | 2830 | 536 | 464 | 1000               | 3                 | 500         | 53               |
| LRG1T30 | 3000                     | 3x200 | 1417-2017 |           |       |           |      |           |      |     |     | 1000               | 3                 | 500         | 58               |
| LRG1T40 | 4000                     | 3x200 | 2385-2985 |           |       |           |      |           |      |     |     | 500                | 3                 | 500         | 62               |

# Assembly Diagram



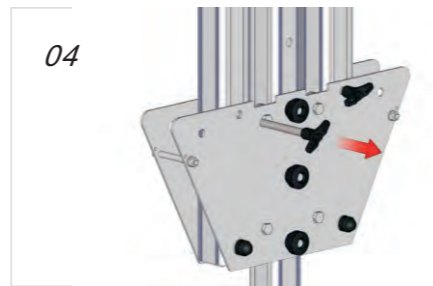
01 Remove pin from trolley.  
For sheaved trolley 2 pins need to be removed.



02 Rotate underside plate to open the trolley and lift off stow pin.



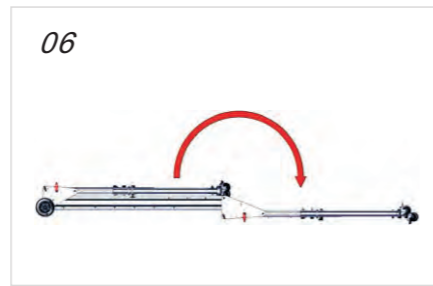
03 Rotate first leg assembly to a vertical position.



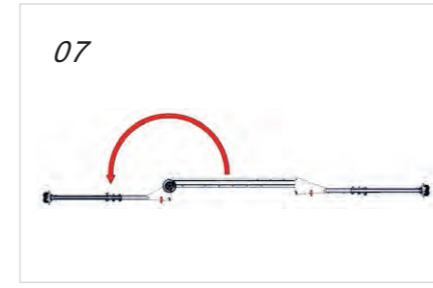
04 While in this vertical position remove ball lock pin from its stow hole.



05 Open leg and insert aircraft/ball-lock pin into second hole securing the leg in its open position.  
Repeat for second leg.



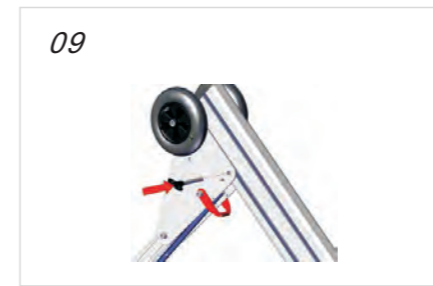
06 Continue rotation of leg assembly until it comes to rest on ground.



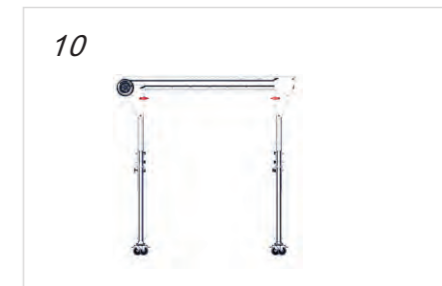
07 Repeat steps 3-6 for second leg assembly.



08 Scissor leg assembly until aircraft/ball-lock pin is adjacent to beam.  
Remove pin and continue scissor until stops engage beam and holes are aligned.  
**Be careful not to trap hands between beam and cheek plates!**



09 Replace pin into hole ensuring the pin is fully engaged through hole.  
A gentle rocking motion can be used to induce alignment.



10 Repeat steps 8 and 9 for opposite leg assembly.

**⚠ N.B. IF FITTED, ENSURE CASTOR BRAKES APPLIED BEFORE LIFTING A LOAD.**



11 Remove pin.  
Open trolley and present to beam with plate rotated through 90°.  
**Be careful not to allow plate to swing open uncontrolled.**



12 Close trolley plate encapsulating the beam and insert aircraft/ball-lock pin.  
Observe pin is properly engaged through holes.

# LPG series Portable Aluminium Gantry Crane

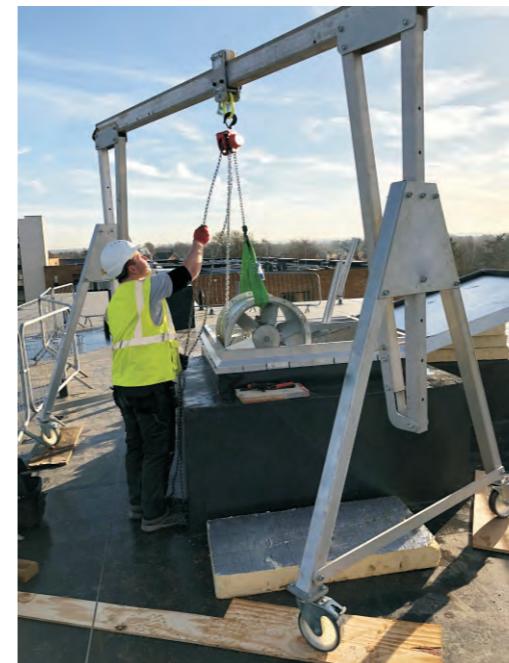
Unique Portable Aluminium Gantry Crane can be safely raised to 5000kg. It requires only four bolts for manual assembly.

- ▶ Innovative, light dead weight, portable, safe and powerful load capacity
- ▶ Portable crane system is the first choice for customers seeking safety
- ▶ Meet multiple sites to enhance solutions and healthy investment returns
- ▶ Its unique features and safety have been proved to meet the needs of customers in various industries



Load capacity:  
1000kg~5000kg

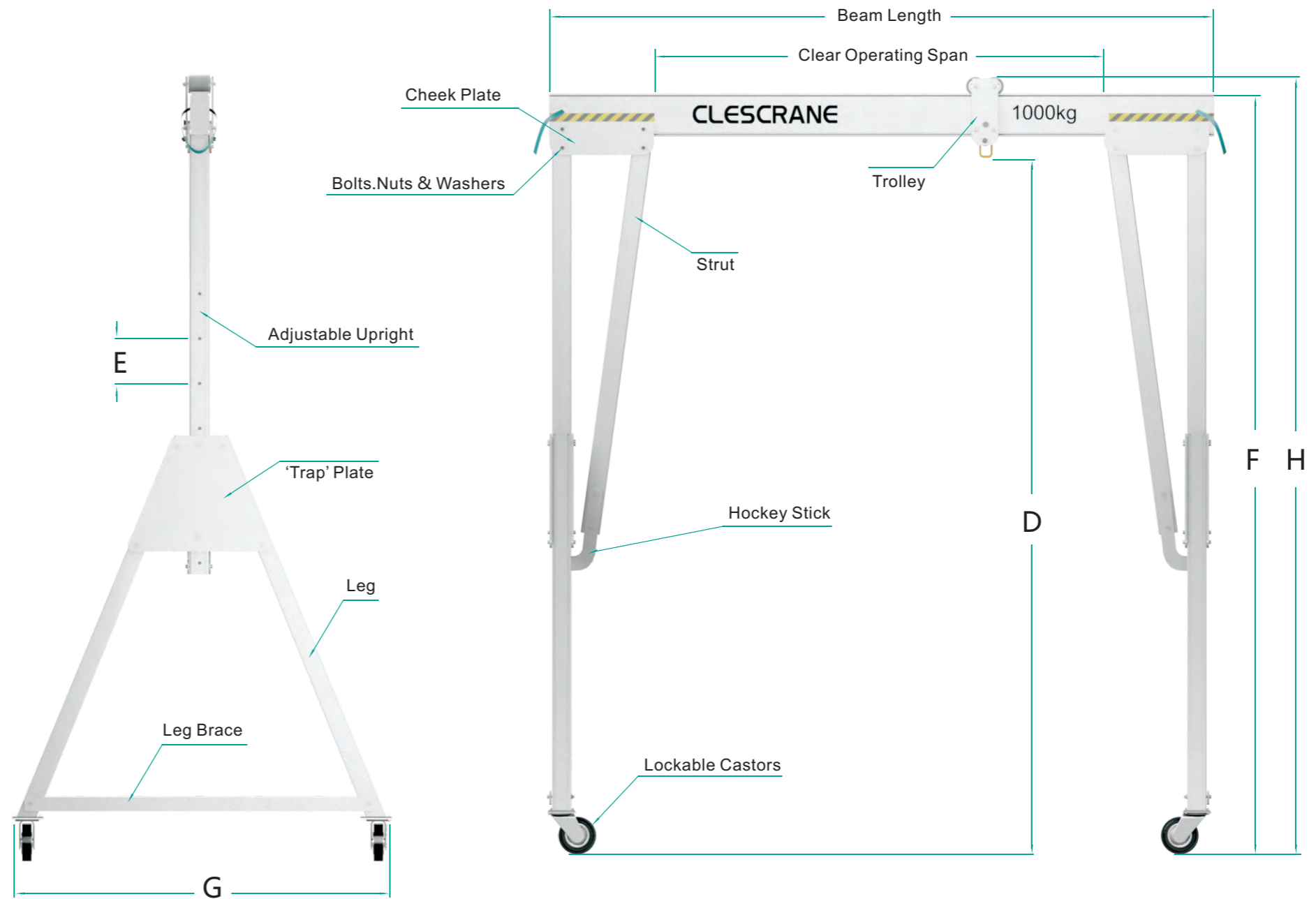
# Main Features And Advantages



- Light dead weight, convenient, it can be manually installed on site  
Only needs 4 bolts to make the 4 small parts together  
Can complete the leg assembly within 2-3 minutes  
360 ° swivel caster for any position fasten  
Available on all flat and bumpy floors  
Simple structure, height and span can be adjusted  
Very safe, and the trolley will not fall  
Foldable, easy to store and transport
- The side beams and legs are bolted to ensure stability of the crane
- Corrosion-resistant, easy to clean, suitable for electroplating and clean room environment
- It has got CE certificate for overall safety, according to EN795 Class B standard design
- Ergonomic design of the profiles, handles, etc.. And the operation is more secure
- Lifting rated load 2000kg-5000kg. Refer to technical parameters for specific reference
- Various of sizes S / M / L / T standard configuration, can also be customized, components are interchangeable
- If you need non-standard custom, please contact with our technical staff
- Easy to transport and assembly does not affect the strength, safety use (lifting capacity can be 5000kg)
- Can customize the appropriate size and configuration according to the working environment



# Main Parts

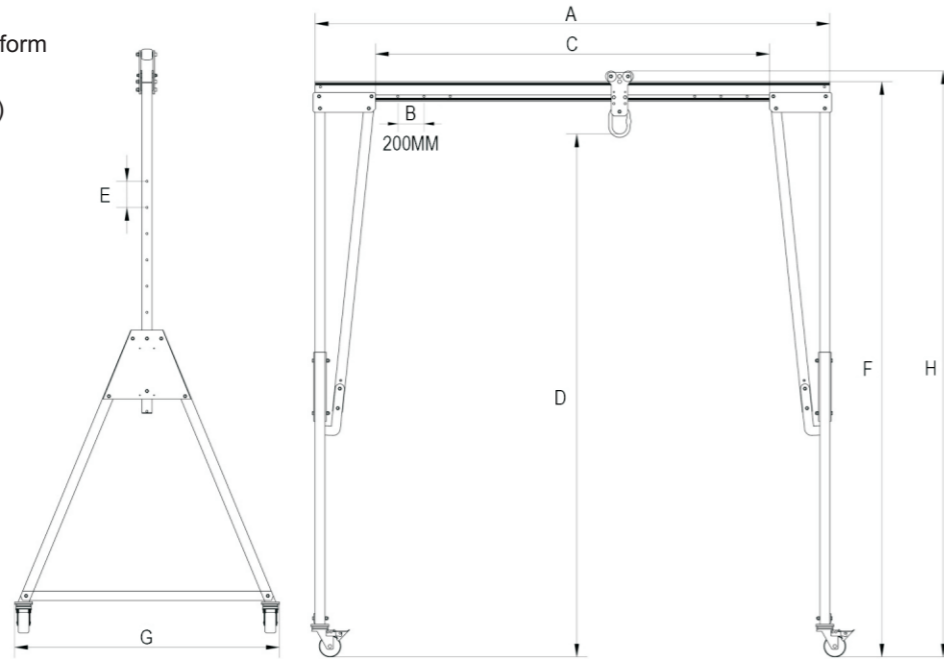


**Each portable crane includes:**

- 2 A-type leg structure (can be customized)
- Trolley first class safe enclosed form
- Beam length can be 9000mm (according to the lifting capacity)

**The length of standard main girder:**

- A=2500mm    A=3000mm
- A=3920mm    A=4570mm
- A=5500mm    A=6000mm
- A=8400mm    A=9000mm
- C size=A-920mm



**Note:**

**Adjust height of the beam:**

The height of each portal crane is easy to be adjusted. You can easily and safely raised to the needed height by the vertical position plug of the two bolts.

**Adjust space:** 200mm or 150mm

Ratchet mechanism can be mounted on the side, which can lift the weight with less force

**Carrying Capacity**

The length of the girder can reach 9000mm (according to the lifting weight) the lifting weight can reach 5000kg

| LPG Series      |      | Stand Beam Length (mm) |      |      |      |      |      |      |      |
|-----------------|------|------------------------|------|------|------|------|------|------|------|
|                 |      | 2500                   | 3000 | 3920 | 4570 | 5500 | 6000 | 8400 | 9000 |
| WWL rating (kg) | 1000 | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    |
|                 | 2000 | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | X    |
|                 | 3000 | ✓                      | ✓    | ✓    | ✓    | ✓    | ✓    | ✓    | X    |
|                 | 5000 | ✓                      | ✓    | ✓    | ✓    | ✓    | X    | X    | X    |

**Technical data**

(S)=small (M)=medium (L)=large (T)= high

| Lifting capacity (Kg) | Model    | Dimensions parameters (mm) |                    |                        |                           |         | Leg weight (Kg) | Caster Specs. |
|-----------------------|----------|----------------------------|--------------------|------------------------|---------------------------|---------|-----------------|---------------|
|                       |          | Heigh to lifting eye D     | Height increment E | Heigh to top of beam F | Height to top of roller H | Width G |                 |               |
| 2000                  | LPG20S   | 1492-2242                  | 5x150              | 2563                   | 1894-2644                 | 1212    | 32              | 82x150        |
|                       | LPG20M   | 2114-2864                  | 5x150              | 3185                   | 2516-3266                 | 1429    | 37              | 82x150        |
|                       | LPG20I   | 2229-3229                  | 5x200              | 3550                   | 2631-3631                 | 1726    | 45              | 82x200        |
|                       | LPG20T   | 2744-3944                  | 6x200              | 4264                   | 3146-4346                 | 1993    | 50              | 82x200        |
|                       | LPG20TC4 | 3290-4490                  | 6x200              | 4810                   | 3693-4893                 | 2234    | 77              | 82x200        |
|                       | LPG20TC3 | 3790-4990                  | 6x200              | 5310                   | 4193-5393                 | 2557    | 82              | 82x200        |
|                       | LPG20TC2 | 3890-5490                  | 8x200              | 5811                   | 4293-5893                 | 2733    | 87              | 82x200        |
| 3000                  | LPG30S   | 1582-2332                  | 5x150              | 2701                   | 2032-2782                 | 1212    | 48              | 82x200        |
|                       | LPG30M   | 2204-2954                  | 5x150              | 3323                   | 2654-3404                 | 1429    | 53              | 82x200        |
|                       | LPG30I   | 2319-3319                  | 5x200              | 3688                   | 2769-3769                 | 1726    | 66              | 82x200        |
|                       | LPG30T   | 2834-4034                  | 6x200              | 4402                   | 3284-4484                 | 1993    | 72              | 82x200        |
|                       | LPG30TC4 | 3330-4530                  | 6X200              | 4850                   | 3733-4933                 | 2234    | 77              | 82X200        |
|                       | LPG30TC3 | 3830-5030                  | 6X200              | 5350                   | 4233-5433                 | 2557    | 82              | 82X200        |
|                       | LPG30TC2 | 3930-5530                  | 8X200              | 5851                   | 4333-5933                 | 2733    | 87              | 82X200        |
| 5000                  | LPG50I   | 2246-3246                  | 5x200              | 3657                   | 2782-3782                 | 1736    | 88*             | 125x200       |
|                       | LPG50T   | 2914-4114                  | 6x200              | 4552                   | 3477-4677                 | 2059    | 99*             | 125x200       |
|                       | LPG50TC4 | 3365-4565                  | 6x200              | 5003                   | 3927-5127                 | 2234    | 90              | 125x200       |
|                       | LPG50TC3 | 3865-5065                  | 6x200              | 5503                   | 4427-5627                 | 2557    | 95              | 125x200       |

**Note:** A The standard length is 3920mm, A the maximum length is 9000mm

Different lifting capacity has a corresponding series of different sizes

Non-standard weight, span, height can be customized

All products will be equipped with a standard trolley (other accessories is optional)

Standard girder height is 152mm, trolley height is 570mm, distance between top of trolley and beam is 82mm

Weight with stable support

Please note that the size may be slightly different

S-type has no leg brace



# Six Ways To Extend The Life Of The Manual Hoist

Whether used indoors or outdoors, for a long time, the manual hoist will have different degrees of wear and rust. In order to make the manual hoist have a longer service life, we need to pay attention to maintenance and repair in daily life.

01. Long-term use or shelving will cause the manual hoist to be contaminated with dust and debris, which is not conducive to the operation of the hoist. At this time, it needs to be wiped clean with a soft rag. If the internal parts are dusty or debris, it can be cleaned with a small brush. After cleaning, it should be coated with anti-rust grease and stored in a dry place to prevent rust.

02. After the cleaning, inspection and overhaul of the hoist, it is necessary to carry out no-load and heavy-load tests to confirm that the operation is normal, automatic and reliable before delivery.

03. The conflicting surface of the brakes should be kept clean to prevent contamination of the sludge.

04. The manual hoist should be maintained at least 4 times every year, such as using a diesel cleaning machine and lubricated with calcium grease.

05. The old lifting chain can not be used with some new chains, otherwise it will be easy to impact in the transmission, and the chain will break.

06. Protection and overhaul work should be carried out by people who know well about the manual hoist.

If you pay attention to the above six points, the service life of the CMH manual hoist can be effectively extended and the work efficiency can be improved.

# SERVICE

Our service solutions are specially made based on different requirements of individual clients.

Meeting their standards could remove any of their worries.

Including:

- Customized solutions
- Reliable, efficient and safe crane equipment
- High quality packaging
- Installation and Assembly & Test running
- Professional training
- Plenty of spare parts
- Maintenance
- Analysis and Suggestions
- Intelligent crane design software
- The experienced team of engineers

Clescrane's service pack is safe and costs less.

Clescrane's service pack also applies to cranes and hoists produced by other manufacturers.