ultimate access system





Product Concept

The LOBO System is a simple to use work platform product that combines the versatility and strength of traditional scaffolding with the simplicity and mobility of aluminium tower systems.

LOBO can be assembled by anyone, quickly and safely, without the need for tools, which allows labour costs to be controlled & reduced.

Its unique ability to increase productivity, whilst maintaining uncompromising safety standards, puts the LOBO System in a class of its own.

The system comprises of steel legs, of a variety of heights with adjustable top and fixed side bracing clamps. Tubes are then passed through the clamps, which are hand-tightened, to form a trestle. This trestle forms the basis of the system to which sway braces, wheels, handrails, outriggers, extensions and even a lifting beam can be added to enhance the construction.

Versatile

The unique and patented hand tightened clamp, when combined with the legs and tube, allows the creation of a work platform system around, under, over or even through any large or fixed object, such as machinery, a production line or other high cost asset. LOBO allows safe, working at height access, to awkward to get to areas for maintenance or cleaning. Its modular design and versatility means it can be used in almost any industrial application.

Intended Use

The LOBO System is an industrial maintenance tool, that can be easily customised to industrial requirements to provide a bespoke work platform.



No Tools & Multi-Use

The unique and patented LOBO clamp allows the system to be assembled without the use of tools and without the need for qualified scaffolding engineers. The LOBO System has been designed so that it can be constructed by in-house maintenance engineers* and technicians* who can reconfigure the system, adapting and adjusting it from one project to another with ease. The system can be assembled, disassembled and reassembled quickly and is immediately available, unlike traditional scaffolding that must be assembled by qualified scaffolders.

* Training required

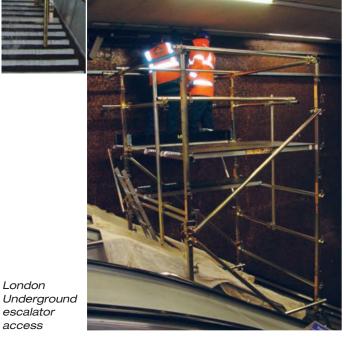
London

escalator access



Aero engine access

Providing a sturdy work area at height



LOBO allows you to construct a work platform, walkway or a large stage easily and safely





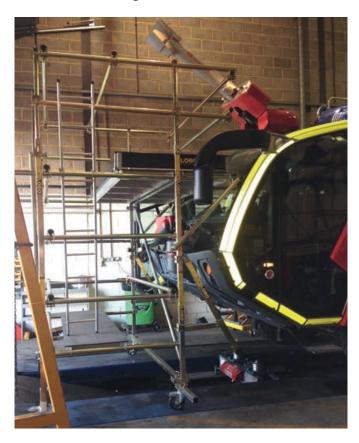
Building safely in restricted areas

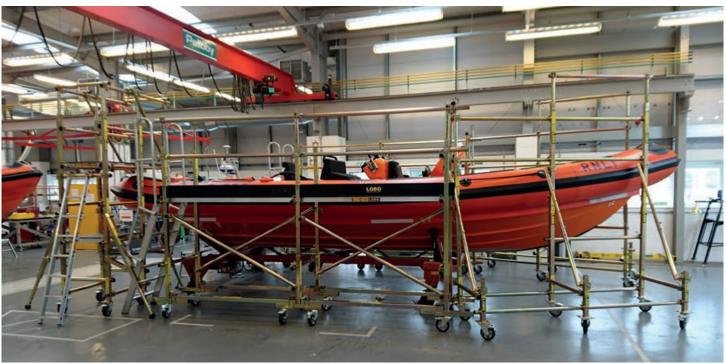
Surrounding the problem - providing the solution

Safe & Secure

The unique and patented LOBO clamp allows handrail attachment at any point on the system; at any stage of its construction. LOBO makes it possible for personnel to assemble a system without being exposed to the risk of a fall, thereby meeting current safety regulations.

Health and safety issues have been considered at every stage and full product training is recommended to ensure safe usage.







Awkward obstacles - no problem

Benefits

Lower Costs: By reducing the dependence on outsourced scaffold companies whilst maintaining or enhancing versatility and adjustability.

Safe: LOBO is a rigid and stable product, it doesn't shake or rattle like some aluminium towers can.

It meets or exceeds current safety legislation and allows handrails to be fitted wherever the user requires them and at any stage in the construction.

Versatile: Can be configured into any size or shape, therefore fits into difficult to get to areas. No other system can offer this combination of safety, flexibility, adjustability, simplicity and cost benefit.

No Tools & Flat Packs: No spanners or hammers, fast assembly, quicker than tube and clamp.

The system flat packs which means it can be transported anywhere around the plant or in the world and can be erected by anyone.

Expandable: LOBO is fully scalable and adaptable, making larger more complex systems by simply adding more standard components.

LOBO will grow and adjust to any future requirement thereby protecting the initial investment.





Mobile, strong, rigid and safe access to all areas



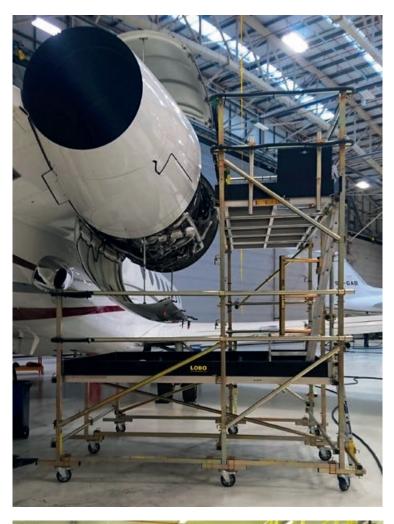
All round versatile access



Accessing high ceilings from stepped ground



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introduction

SAFETY

- · Always read the instructions before assembly.
- Always ensure your system is safe and secure before using it.
- Always ensure all clamps, couplers and thumb screws are fully tightened and secure before use.
- Check regularly for wear and tear. Replace all damaged components before use.
- Always wear suitable protective equipment which includes gloves, safety boots and hard hats.
- Hand tight means 5 Nm, 45 PSI, 45Inch-lbs.
- If you are unsure about any aspect of safety, please call us on +44 (0)1332 365666, fax us on +44 (0)1332 365661, email sales@lobosystems.com or visit our website www.lobosystems.com for assistance.
- USA 800-640-5492.

TRAINING

Product training can be obtained in three different ways:

- Training videos are viewable on the website www.lobosystems.com
- 2 Training session by authorised LOBO distributor.
- 3 Training session direct from LOBO Systems.

Please call for a copy of our training video.

A wallet sized competency card is issued to each trainee who successfully completes the course.

A training DVD is issued with each LOBO training course.

We recommend refresher training every two years.

PATENTS

LOBO Systems products are protected by international patents and also have patents pending in many countries.

WEIGHTS

All weights are subject to the Uniformly Distributed Load (UDL). The maximum system weight including all personnel and equipment must never be greater than the aggregate of each trestle leg x 250kg / 550lbs.

STEEL TUBE RATING

Part No.	Length	Maximum Load
T08	0.8m	300kg / 660lbs
T14	1.4m	300kg / 660lbs
T20	2.0m	200kg / 440lbs
T26	2.6m	125kg / 278lbs

LOBO Systems does not classify a safe working load for aluminium tube.

LIMITED WARRANTY

LOBO Systems warrants its products to be free from defects in material and workmanship.

LOBO Systems further warrants that each product will substantially perform in accordance with the description of such product set forth in the relevant LOBO Systems sales material.

Warranty is limited to replacement or repair of the defective product if returned to LOBO Systems within six months from the shipping date. However, the purchaser shall be entitled to no replacement or repair if the alleged defect of a LOBO Systems product is caused in whole, or in part, by the failure of the purchaser to follow the instructions or training procedures provided by LOBO Systems.

Except as expressly provided herein, LOBO Systems does not make any warranty or representation, express or implied, with respect to its products, including without limitation any implied or expressed warranty of sale or fitness for a particular purpose. In addition, under no circumstances shall LOBO Systems be liable for lost profits, lost savings or other consequential, incidental, special or indirect damages, or for acts of negligence that are not intentional or reckless in nature regardless of whether it has been advised of the possibility of such damages.

STANDARDS

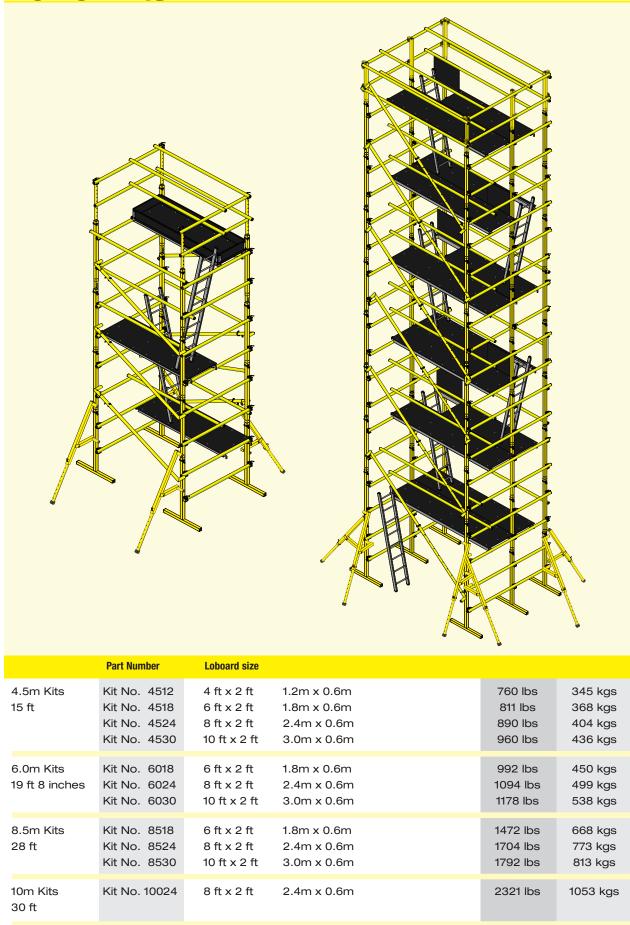
EU: BS EN1004:2004 BS 1139 parts 3 & 4, C€

USA: OSHA Compliant, ANSI A10.8, 29 CFR Part 1920 (General Industry)

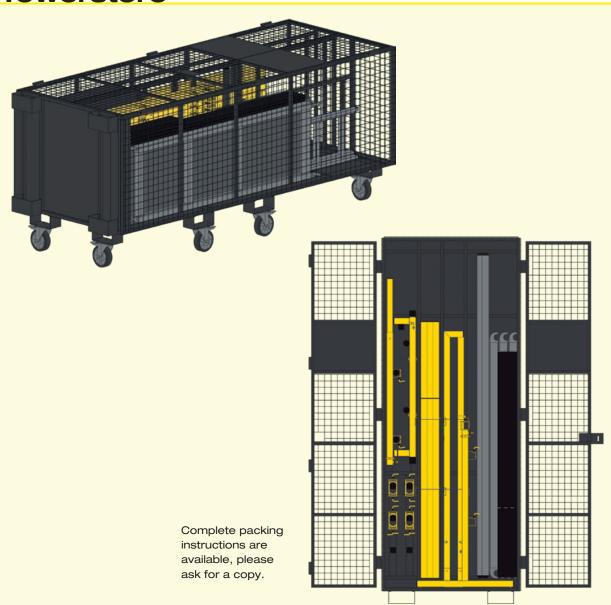
Canada: CSA Z797-09 and 269.2 (M87 and -16)

Australia: AS/NZS 1576.1:2010 and AS/NZS 1576.3:2015 Tower

Tower Kits

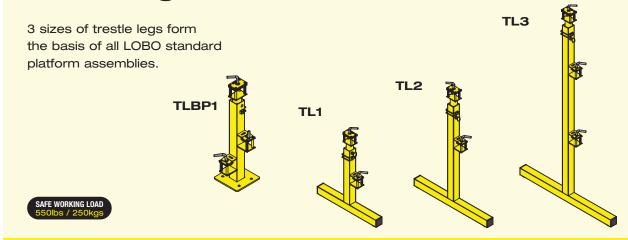


Towerstore



Part Number	Description			
TOWERSTORE0	A lockable cage which can be moved easily using a forklift truck. For kits 4512, 4518, 6012 and 6018.	height width depth weight	7' 6" 3' 7" 3' 3" 608lbs	2.28m 1.09m 1.00m 276kgs
TOWERSTORE1	A lockable cage which can be moved easily using a forklift truck. For kits 4518, 4524, 6018 and 6024	height width depth weight	9' 5" 3' 7" 3' 3" 679lbs	2.86m 1.09m 1.00m 308kgs
TOWERSTORE2	A lockable cage which can be moved easily using a forklift truck. For kits 4524, 4530, 6024 and 6030.	height width depth weight	11' 5" 3' 7" 3' 3" 798lbs	3.48m 1.09m 1.00m 362kgs
WKTS1	8 wheels for Towerstore 0, 1 & 2	weight	44lbs	20kgs
TOWERSTORE0_COVER TOWERSTORE1_COVER TOWERSTORE2_COVER	Weather proof cover for Towerstore 0 Weather proof cover for Towerstore 1 Weather proof cover for Towerstore 2	weight weight weight	15lbs 18.3lbs 21.6lbs	6.8kgs 8.3kgs 9.8kgs

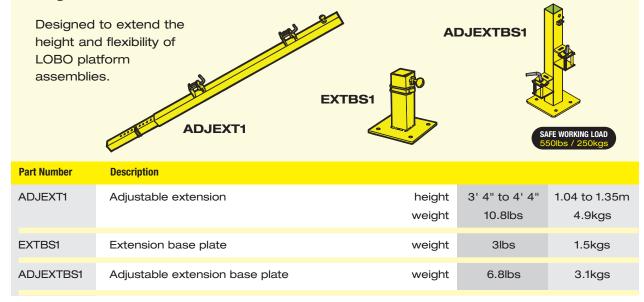
Trestle Legs & Base Plates



Part Number	Description			
TLBP1	Base plate with No. 1 Insert	adjustable height	1' 10" to 2' 9"	0.57 to 0.86m
		weight	9lbs	4.1kgs
TL1	No. 1 trestle leg	adjustable height	1' 10" to 2' 9"	0.57 to 0.86m
		weight	9.4lbs	4.1kgs
TL2	No. 2 trestle leg	adjustable height	2' 7" to 4' 3"	0.81 to 1.32m
		weight	12.3lbs	5.6kgs
TL3	No. 3 trestle leg	adjustable height	4' 3" to 6' 7"	1.32 to 2.06m
		weight	18.5lbs	8.4kgs



Adjustable Extension & Base Plates

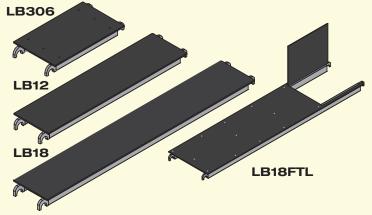




Loboards

A variety of boards designed specifically for use with LOBO platform assemblies to maximise flexibility.

Vinyl wood or aluminium top.

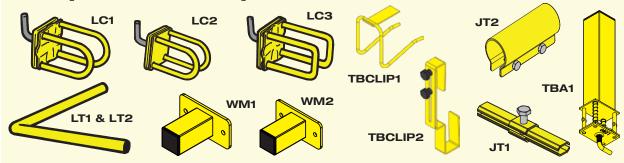




Part Number	Description			
LB06	Loboard	length x width weight	2' x 2' 13lbs	0.6 x 0.6m 6kgs
LB12	Loboard	length x width weight	4' x 2' 22lbs	1.2 x 0.6m 10kgs
LB18	Loboard	length x width weight	6' x 2' 31lbs	1.8 x 0.6m 14kgs
LB24	Loboard	length x width weight	8' x 2' 44lbs	2.4 x 0.6m 20kgs
LB30	Loboard	length x width weight	10' x 2' 55lbs	3 x 0.6m 25kgs
LB36	Loboard	length x width weight	12' x 2' 78lbs	3.6 x 0.6m 35.3kgs
LB306	Loboard	length x width weight	2' x 1' 8.4lbs	0.3 x 0.6m 3.8kgs
LB312	Loboard	length x width weight	4' x 1' 15lbs	1.2 x 0.3m 7kgs
LB318	Loboard	length x width weight	6' x 1' 20lbs	1.8 x 0.3m 9kgs
LB324	Loboard	length x width weight	8' x 1' 29lbs	2.4 x 0.3m 13kgs
LB330	Loboard	length x width weight	10' x 1' 33lbs	3 x 0.3m 15kgs
LB12FTL	Loboard with flip top lid	length x width weight	4' x 2' 31lbs	1.2 x 0.6m 14kgs
LB18FTL	Loboard with flip top lid	length x width weight	6' x 2' 31lbs	1.8 x 0.6m 14kgs
LB24FTL	Loboard with flip top lid	length x width weight	8' x 2' 42lbs	2.4 x 0.6m 19kgs
LB30FTL	Loboard with flip top lid	length x width weight	10' x 2' 55lbs	3 x 0.6m 25kgs
LB36FLT	Loboard with flip top lid	length x width weight	12' x 2' 78.5lbs	3.6 x 0.6m 35.6kgs

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Couplers & Adaptors



Part Number	Description			
LC1	Loband coupler round - not load bearing	weight	1lb	0.5kgs
LC2	Ladder clamp - not load bearing	weight	1lb	0.5kgs
LC3	Loband coupler square - not load bearing	weight	1lb	0.5kgs
LT1	L tube with end caps	size weight	2' 8" 7.7lbs	0.8m 3.5kgs
LT2	L tube with end caps	size weight	4' 6" 13.4lbs	1.4m 6.1kgs
JT1	Tube joint pin (male)	weight	2lbs	1.0kgs
JT2	Tube joint pin (female)	weight	2lbs	1.0kgs
TBCLIP1	Toe board clip	weight	0.25lbs	<0.125kgs
TBCLIP2	Toe board clip	weight	0.88lbs	<0.4kgs
WM1	Wall mount	weight size	2lbs 50 x 50mm	1.0kgs 2" x 2"
WM2	Wall mount	weight size	2lbs 45 x 45mm	1.0kgs 1.75" x 1.75"
TBA1	Toe Board Adapter	weight	4lbs	2.0kgs

Sway Braces

'L' shaped ended tubes clamped diagonally

HAND TIGHT MEANS 5 Nm / 45 Inch-lbs

rigidity wh	semblies with Lobands to give nerever needed. Requires ands to fit, see above.	ADJSW1	· · ·	•	
Part Number	Description				
ADJSW1	Adjustable sway brace		length weight	6' 6" - 11' 6" 15.5lbs	2 - 3.5m 7kgs
ADJSW2	Adjustable sway brace		length weight	3' 4" - 5' 10lbs	1 - 1.5m 4kgs
ADJSW3	Adjustable sway brace		length weight	10' - 15' 22.7lbs	3 - 4.5m 10.3kgs

ADJSW2

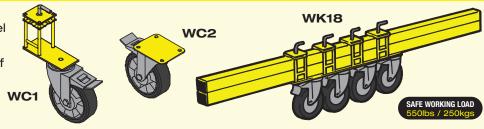
Outriggers

Adjustable, telescopic stabilisers to provide additional support.

·	dditional support. two Lobands to fit, see above.	•	OR1	
Part Number	Description			
OR1	Outrigger		13lbs	5.6kgs

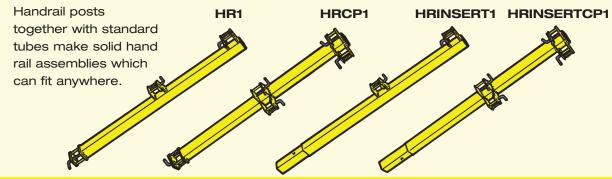
Wheel Kits

Heavy duty wheel and tube sets to enable mobility of your platform.



Part Number	Description			
WK12	4 x wheels, 2 x tubes Fits loboard	l length weight	4' 50lsbs	1.2m 19.8kgs
WK18	4 x wheels, 2 x tubes Fits loboard	l length weight	6' 57lb	1.8m 24.7kgs
WK24	4 x wheels, 2 x tubes Fits loboard	l length weight	8' 63lbs	2.4m 25.1kgs
WK30	4 x wheels, 2 x tubes Fits loboard	I length weight	10' 68lbs	3.0m 27.6kgs
WK36	4 x wheels, 2 x tubes Fits loboard	l length weight	12' 50lbs	3.6m 31kgs
WC1	Wheel for trestle leg	weight	10lbs	4.5kgs
WC2	Wheel for base plate or Towerstore (8 required)	weight	8lbs	3.5kgs

Handrails



Part Number	Description			
HR1	Handrail post	height weight	3' 3" 9lbs	1.0m 4kgs
HRCP1	Handrail corner post (left/right)	height weight	3' 3" 10lbs	1.0m 4.5kgs
HRINSERT1	Handrail insert post	height	3' 3"	1.0m
	- inserts to 50mm (2") box section	weight	8lbs	3.5kgs
HRINSERTCP1	Handrail insert corner post	height	3' 3"	1.0m
	- inserts to 50mm (2") box section	weight	9lbs	4kgs
HR1C90	Upright handrail post	height	3' 3"	1.0m
	- clamps at 90 degrees	weight	9lbs	4kgs

12' 6"

17.4lbs

n/a

n/a

3.8m

7.9kg

n/a

n/a

length

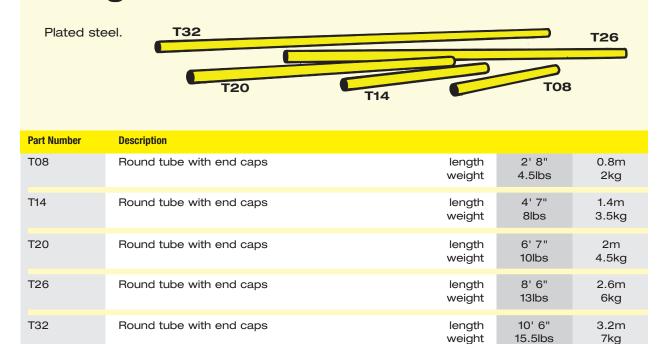
weight

Tubing

T38

Tcustom

BTcustom



Tubes and Sway Brace Sizing

Round tube with end caps

Made to order

Made to order

Round tube with end caps custom size

Box section plated tube custom size

This chart shows the sizes of tubes and sway braces that should be used, and will be helpful when planning or identifying what is required for a system.

Loboard length or width	Handrail size or cross tube	Sway brace size	Minimum cross tube size possible
0.6m - LB06 - 2'	0.8m - T08 - 2' 8"	1.5m ADJSW2	0.7m - T07 - 2' 4"
1.2m - LB12 - 4'	1.4m - T14 - 4' 7"	2.0m ADJSW1 or 2	1.3m - T13 - 4' 3"
1.8m - LB18 - 6'	2.0m - T20 - 6' 7"	2.5m ADJSW1	1.7m - T17 - 5' 7"
2.4m - LB24 - 8'	2.6m - T26 - 8' 6"	3.0m ADJSW1	2.5m - T25 - 8' 2"
3.0m - LB30 - 10'	3.2m - T32 - 10' 6"	3.5m ADJSW1	3.1m - T31 - 10' 2"
3.6m - LB36 - 12'	3.8m - T38 - 12' 6"	5.0m ADJSW3	3.8m - T38 - 12' 6"

Note: Minimum cross tube sizes are not long enough to add handrail posts, use regular sizes. Use ADJSW1 sway braces over 6' - 1.8m standing height and use ADJSW1 or ADJSW2 less than 6' -1.8m standing height.

Steel Tube Rating

Part No.	Length	Maximum Load
T08	0.8m - 2' 8"	300Kg - 660lbs
T14	1.4m - 4' 7"	300Kg - 660lbs
T20	2.0m - 6' 7"	200kg - 440lbs
T26	2.6m - 8' 6"	125Kg - 278lbs

Tube greater than 2.6m - 8' 6" is not rated.

Ladders, Steps & Ladder Guards

A variety of ladders and steps to suit all sizes of LOBO platform assemblies.



Doub Number	Description			
Part Number	Description			
AL15	Aluminium ladder	height weight	4' 11" 8lbs	1.5m 3.5kgs
AL20	Aluminium ladder	height weight	6' 6" 10lbs	2m 4.5kgs
AL25	Aluminium ladder	height weight	8' 2" 11lbs	2.5m 5kgs
AL30	Aluminium ladder	height weight	10' 13lbs	3.0m 6kgs
AL35	Aluminium ladder	height weight	11' 6" 15.5lbs	3.5m 7kgs
AL45	Aluminium ladder	height weight	15' 26.5lbs	4.5m 12kgs
Lstep	Aluminium flat tread steps, with side rails and hooks custom length.		n/a	n/a
LADDER_GUARD	Ladder guard	height weight	4' 3" 13lbs	1.3m 6kgs

Lifting Frames & Carry Cases

Designed to lift items up to 500kg (1100lbs). The lifting beam with slider allows easy horizontal movement and comes with certification.



Tube & Lifting Slider Beam Carry Cases

The LOBO Carry Cases are designed to hold LOBO tubes or LOBO Lifting Slider Beams. The four lengths which correspond to standard tube and lifting slider beam sizes.

Part Number	Description			
LS12	Lifting slider beam	length weight	4ft 21lbs	1.2m 9kgs
LS18	Lifting slider beam	length weight	6ft 29lbs	1.8m 13kgs
LS24	Lifting slider beam	length weight	8ft 37lbs	2.4m 17kgs
LS30	Lifting slider beam	length weight	10ft 42lbs	3.0m 19kgs
LS36	Lifting slider beam	length weight	12ft 62.6lbs	3.6m 28.4kgs
CC12	Black PVC Carry Case For T14 Tube and LS12 - 35kgs capacity		2.2lbs	1kg
CC18	Black PVC Carry Case For T20 Tube and LS18 - 35kgs capacity		2.2lbs	1kg
CC24	Black PVC Carry Case For T26 Tube and LS24 - 35kgs capacity		2.2lbs	1kg
CC30	Black PVC Carry Case For T32 Tube and LS30 - 35kgs	capacity	2.2lbs	1kg

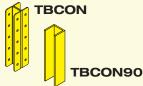
Toe Boards

4 sided Toe Board assemblies and single Toe Boards with clips.









	עד			*
Part Number	Description			
TB12	Hinged toe board	dimensions weight	4' x 2' x 6" 11lbs	1.2 x 0.6 x 0.15m 5kgs
TB18	Hinged toe board	dimensions weight	6' x 2' x 6" 15.5lbs	1.8 x 0.6 x 0.15m 7kgs
TB24	Hinged toe board	dimensions weight	8' x 2' x 6" 24lbs	2.4 x 0.6 x 0.15m 11kgs
TB30	Hinged toe board	dimensions weight	10' x 2' x 6" 26lbs	3.0 x 0.6 x 0.15m 12kgs
ТВЗ6	Hinged toe board	dimensions weight	12' x 2' x 6" 26lbs	3.6 x 0.6 x 0.15m 12kgs
TBP12	Single piece toe board	dimensions weight	4' x 6" 2lbs	1.2 x 0.15m 1kgs
TBP18	Single piece toe board	dimensions weight	6' x 6" 5.5lbs	1.8 x 0.15m 2.5kgs
TBP24	Single piece toe board	dimensions weight	8' x 6" 8lbs	2.4 x 0.15m 3.5kgs
ТВР30	Single piece toe board	dimensions weight	10' x 6" 9lbs	3.0 x 0.15m 4kgs
ТВРЗ6	Single piece toe board	dimensions weight	12' x 6" 13lbs	3.6 x 0.15m 6kgs
TBPcustom	Custom size. Made to order		n/a	n/a
TBCON	Toe board connector in-line	height weight	6" 0.22lbs	0.15m 0.1kgs
TBCON90	Toe board connector at 90 degrees	height weight	6" 0.44lbs	0.15m 0.2kgs
TBCLIP1	Toe board clip	height weight	4" 0.25lbs	0.11m 0.125kgs
TBCLIP2	Toe board clip	height weight	9" 0.88lbs	0.235m 0.4kgs

Hop Up

The LOBO Hop Up can be assembled, like the entire LOBO Systems product range, in minutes – without the need for tools.

The Hop Up flat packs: making for easy transport and storage, is simple to construct and, by following the manufacturer's instructions, allows safe working at height at even the lowest levels.

It has several adjustable height positions and comes complete with handrails to provide a safe alternative to step ladders.

The handrails provide all round safety and meet Working At Height legislation and the wheels provide mobility.

Height adjustable from 0.39m to 1.3m.

Hop Up



Part Number	Description			
HOP_UP_2	Single person podium	Maximum standing height weight	4' 3" 132lbs	1.3m 60kgs

Accessories

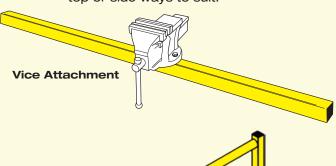
LOBO Tool Tray

The LOBO Tool Tray can be fitted to any LOBO round tube, it is ideal for small tools and has a load capacity of 10kg.



Vice Attachment

The LOBO Vice attachment fits onto the top clamps of a LOBO Trestle leg. it can be turned to position the vice jaws on top or side ways to suit.



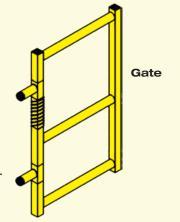
LOBO Gate

The LOBO Gate is a brand new product from LOBO Systems that adds safety to your existing LOBO Tower System.

It can be attached to the vertical side using Lobands, to provide a self closing gate. A side-stop is then attached to prevent the gate from opening outwards, reducing the risk of accidents due to falling.

It is reversible and simply attaches using three Loband couplers.

Two of the Lobands are used to fit the gate and the third Loband is used to attached the side stop.



Part Number	Description			
TOOL_TRAY	Universal adjustable tool tray	weight	11lbs	5kgs
LOBO_VICE	General purpose 4 inch vice and 1.4m box tube attachment	weight length	22lbs 4' 7"	10kgs 1.4m
LOBO_GATE	Gate	weight	20lbs	9kgs

Spare Parts



LOBO Systems CODE OF SAFE PRACTICES

It shall be the responsibility of all users to read and comply with the following common sense guidelines which are designed to promote safety in the erecting, dismantling and use of the LOBO System. These guidelines are not inclusive nor do they replace other additional safety and precautionary measures to cover usual or unusual conditions. If these guidelines in any way conflict with any law, government statute or regulation, then the said law, statute or regulation shall supersede these guidelines and it shall be the responsibility of each user to comply.

GENERAL GUIDELINES:

- FOLLOW ALL LAWS & REGULATIONS, local or otherwise and Federal Codes and Regulations.
- b SURVEY THE JOB SITE. A survey shall be made of the job site by a competent person for hazards, including but not limited to uneven or soft earth, ditches, debris, high voltage tension wires, unguarded openings, and other hazardous conditions created by other trades. These conditions should be corrected or avoided as noted in the following sections.
- c PERFORM A RISK ASSESSMENT TO IDENTIFY WHAT COULD CAUSE HARM TO USERS. Take precautions to prevent harm or injury. Example risk assesment: Identify the hazards.
 - Decide who might be harmed and how. Evaluate the risks and decide on precautions. Record and implement findings.
 - Review and update Risk Assessment if necessary.
- d INSPECT ALL EQUIPMENT BEFORE USING. Never use any equipment that is damaged or defective in any way. Mark it or tag it as defective and remove it from the job site.
- e THE SYSTEM MUST BE ERECTED IN ACCORDANCE WITH LOBO SYSTEMS ASSEMBLY INSTRUCTIONS.
- DO NOT ERECT, DISMANTLE OR ALTER THE SYSTEM. Unless under the supervision of a trained and competent person.
- g DO NOT ABUSE OR MISUSE LOBO SYSTEMS PRODUCTS AND EQUIPMENT.
- h ERECTED SYSTEMS SHOULD BE REGULARLY INSPECTED. Users need to be sure that they are maintained in a safe condition. Report any unsafe condition to your supervisor and/or Health & Safety Representative.
- NEVER TAKE ANY RISKS! If in doubt about the safety or use of the LOBO System, consult LOBO Systems.
- NEVER USE EQUIPMENT FOR PURPOSES OR IN WAYS FOR WHICH IT WAS NOT INTENDED.
- k PHYSICAL CONDITION. Do not work on the LOBO System if you feel dizzy or unsteady in
- INFLUENCE. Do not work under the influence of alcohol or drugs, including prescription drugs, which may affect your ability to work safely.

m ALWAYS FIT HANDRAILS. Where ever there is a risk of injury due to a fall, a handrail must be fitted.

2 GUIDELINES FOR ERECTION AND USE OF LOBO SYSTEMS:

- a TRESTLE LEGS OR BASE PLATES. The system must be constructed on trestle legs or base plates to prevent slipping or sinking and fixed where required. Any part of a building or structure used to support the system shall be capable of supporting the maximum intended load to be applied.
- b LEVELLING. Adjust to level on uneven floors and surfaces.

3 BRACING, LEVELLING & PLUMBING OF THE LOBO SYSTEM

- a PLUMB AND LEVEL . All systems need to be plumbed and level as they are constructed. Do not force the trestle legs, extensions, handrails or sway braces to fit. Level the system until a proper fit can be easily made.
- b BRACING. Each trestle leg or extension piece shall be braced by horizontal tubes, diagonal bracing using sway braces or combination of both to secure the vertical pieces together. All tube and sway braces shall be made secure by using top clamps, side bracing clamps or lobands, in accordance with LOBO Systems' recommendations.
- c ASSEMBLY. Fasten all clamps, thumb screws and loband couplers securely before assembly of the next level.

4 ERECTING A FREE STANDING LOBO TOWER SYSTEM.

When erecting the system you must never exceed a height of three (3) times the minimum base dimension. Use outriggers to increase the base dimension and ensure stability.

5 DO NOT ERECT THE SYSTEM NEAR **ELECTRICAL POWER LINES.**

Consult a qualified person for advice.

6 LADDER ACCESS SHOULD BE PROVIDED TO ALL PLATFORMS.

Do not climb the cross brace tubes or diagonal sway braces, ensure all ladders are clamped in position.

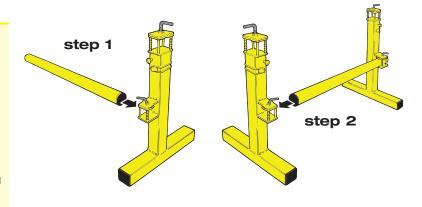
7 CONSTRUCT A HANDRAIL SYSTEM, AND OR FALL PROTECTION SYSTEM AND USE TOE BOARDS WHERE REQUIRED.

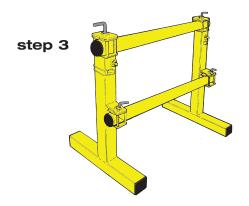


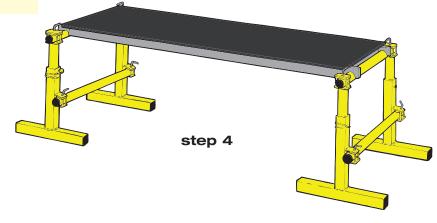
instructions

PLATFORMS

- Insert tube in side clamp of the trestle leg and tighten the L-Bolt.
- 2. Insert other end of the tube in side clamp of the second trestle leg and tighten the L-Bolt.
- 3. Repeat steps 1 & 2 for top tube.
- 4. Repeat steps 1, 2 & 3 for second pair of trestle legs. Adjust to the required height. Insert the height adjustment pins and tighten the thumb screws. If the wheel kit is not being fitted, set the trestle legs apart and hook on the Loboard.



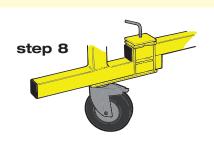




WHEEL KIT

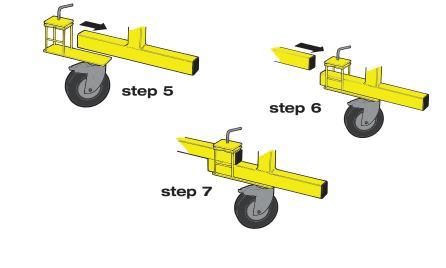
- Slide wheel assembly unit onto foot of the trestle leg until the wheel pivot is directly beneath the upright.
 - Repeat for the opposite trestle leg foot.
- 6. Slide bracing tube into clamps until the end just protrudes.
- 7. Tighten L-Bolts only sufficiently to hold the bracing tube in place.
- 8. Repeat steps 5, 6 & 7 for adjacent trestle legs.
- 9. Hook on Loboard and adjust clamps as necessary, and then fully tighten all 4

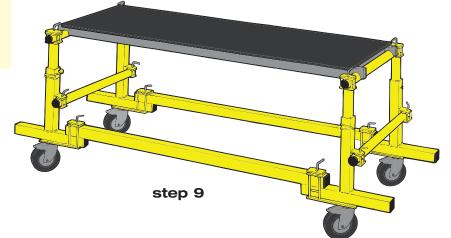
Warning: Always lock wheels before using or when parking.





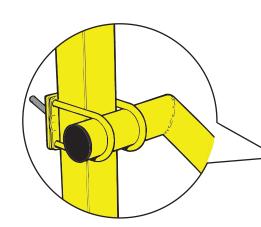






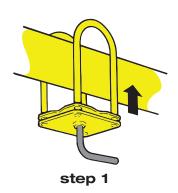
SWAY BRACE

When erecting trestles using extensions, sway braces must be fitted using Lobands to ensure a rigid and safe structure.



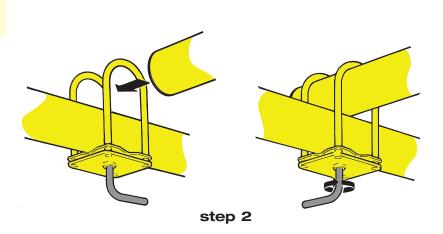


- 1. Slide Loband onto round or square tube, ensure the L-Bolt is out to the maximum.
- 2. Slide second tube through the loops to the required position and tighten the L-Bolt.
- 3. The same instructions apply when clamping round tube to square tube.
- 4. The Loband can be used to extend tube by connecting tubes in parallel.
- 5. Always ensure the load is not supported by the Loband clamp.



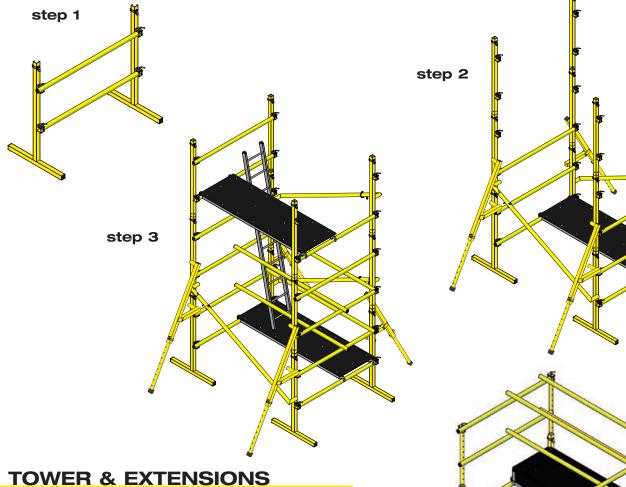






Typical sway bracing of a structure

instructions



 Construct two base trestle systems with the trestle legs and cross tubes.

Remove the telescopic inserts. Always ensure the side clamps on the legs are tight and face the same direction.

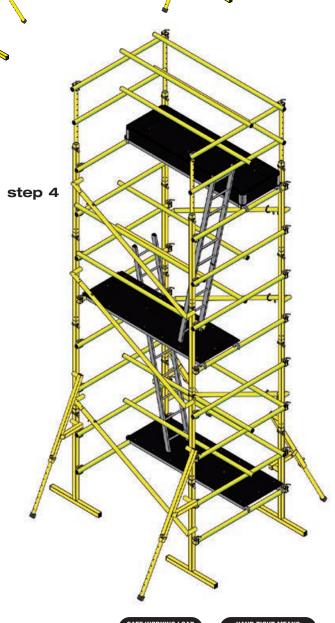
- Fit the Loboard to the first lift point of the trestle systems and lock down with a Loband and piece of tube. Add the adjustable extensions and set at the required height, using the height adjustment pin. Add sway braces to the structure and more cross tubes.
- Fit the handrail tubes and use a Loboard to provide the next stage to work from. Four outriggers can now be fitted using Loband clamps. Fit the ladders and secure with ladder clamps internally for accessing the middle and top Loboards.
- 4. Add additional extensions, handrail tubes and ladders as previously to a maximum standing height of 4.5m or 15ft, for this configuration. You should always ensure your safety by adding handrails at each step. Toe boards should be fitted.

Never exceed a height to base ratio of 3 to 1. Use additional sway braces on all sides as shown. At the top of each leg refit the telescopic inserts and fix to their maximum height to create the handrail supports. Fit handrail tubes using Lobands on all open sides to ensure maximum safety.

Sway braces can be fitted for extra stability.

Always ensure all L Bolts and thumb screws are fully tight to produce a safe and secure structure before use.

For safety, use tubing and Lobands to form handrails at any level during construction.



22

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HANDRAILS

Handrail posts are fitted to platform tubes

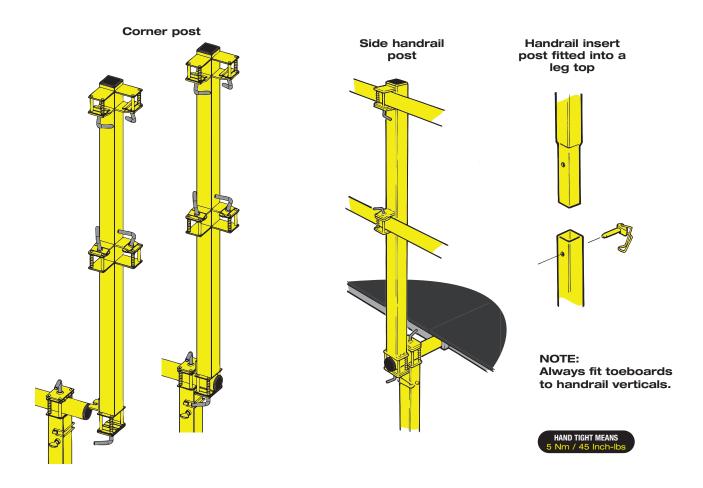
- Fit the handrail posts to the platform support tubes. Ensure the locating plate on the bottom clamp slides into the trestle leg top clamp. It must fit directly underneath the top clamp top plate, and above the clamp floating plate.
- Ensure the locating plate is fully inserted.
- Ensure the Handrail is vertical and then fully tighten the Handrail L-Bolt. 3.
- 4. Insert tubing, of the appropriate length, into both the top and bottom side clamps, to form side handrails, spanning all handrail posts. Tighten the L-Bolts.
- 5. Attention: All four sides must be fitted for safe use as shown in Fig A. (Page 24)

Handrail Corner Posts

- Slide the Handrail Corner Post onto the platform support tube. Ensure the locating plate slides into the trestle leg top clamp. It must fit directly underneath the top clamp top plate. Ensure the locating plate is fully inserted.
- Ensure the Handrail Corner Post is vertical and then fully tighten the L-Bolt.
- 3. Repeat steps 1 and 2 for the three other corner posts.
- 4. Slide tubes of the appropriate length, into the corner post side clamps so that the ends protrude and tighten both the side clamp, top and bottom L-Bolts.
- 5. Repeat step 4 for the three other sides.
- Attention: All four sides must be fitted for safe use as shown in Fig A. (Page 24)

Handrails Using Trestle Leg Inserts

- Extend the telescopic leg inserts to a height of 1m or 39 Inches. Insert the height adjustment pin and tighten the thumb screw.
- 2. Slide tubing to form handrails into the top clamps and tighten the L-Bolts.
- 3. Position a second tube, of the same length, 0.47m or 18.5 inches up the telescopic inserts, to form the lower handrail, and lock into place using Lobands.
- 4. Use more tubing and Lobands to form the other sides of the handrail.
- 5. Attention: All four sides must be fitted for safe use as shown in Fig A. (Page 24)

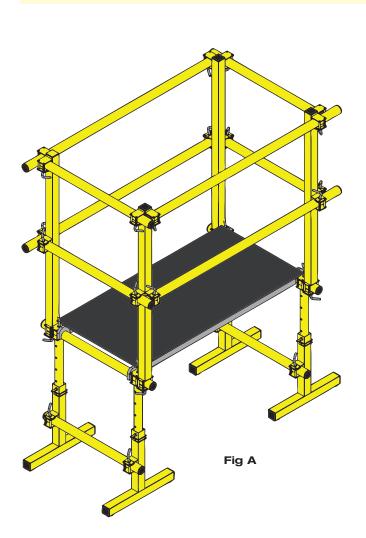


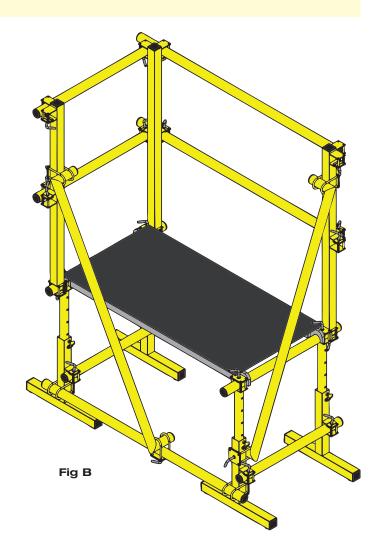
instructions

HANDRAILS

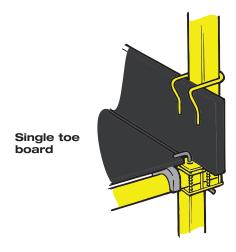
Single Handrails Using Sway Braces

A Handrail must be locked into place using an Adjustable Sway brace and 2 Lobands to comply with regulations as shown in Fig B.









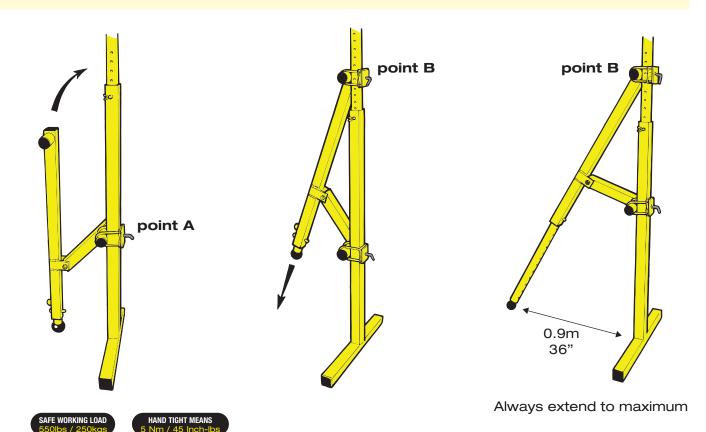
TOE BOARDS & TOE BOARD ADAPTOR

A four sided toe board is located onto the Loboard using the locating lugs on the corner hinges to ensure it is fitted correctly.

A single piece toe board can be positioned anywhere, and held in place using toe board clips on handrail posts or toe board adaptor.

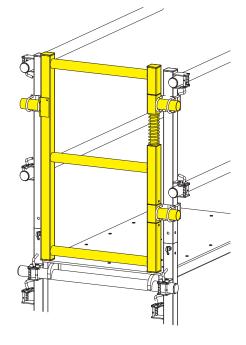
OUTRIGGERS

- Position the outrigger in line with the trestle leg and then clamp the cross brace to the leg (point A) using a Loband.
- 2. Lift the outrigger and using the Loband, clamp at point B.
- 3. Remove the locating pin at the bottom of the outrigger and extend the outrigger insert to the ground. Secure in this position with the locating pin.
- 4. Loosen the Loband at point B and adjust the outrigger down unit the outrigger cross brace is at 90° to the support leg.
- 5. Fully tighten both Lobands and the thumb screw.



GATE

- Three Lobands are required to fit a LOBO Gate, two for the Gate hinges and one for the side stop.
- Position the LOBO Gate exactly vertical and attach to the Adjustable Extension, Extension or Handrail Insert.
- 3. Ensure the LOBO Gate is the correct way up and the side stop is fitted to stop the gate opening outwards from the LOBO System.



instructions

LIFTING SLIDER FRAME

- 1. Slide the ends of the lifting beam into the top clamps of the trestle leg and fully tighten.
- 2. Extend the telescopic leg inserts on the trestle legs to the desired height, insert height adjustment pins and tighten the thumb screws.
- 3. Fit the ends of the sway braces into the clamps on the top of the beam.
- 4. Swing the bottom ends of the sway braces out and using Lobands, clamp them to the trestle legs.
- 5. Check that the clamps in use are fully tightened.
- 6. Outriggers can be used to add extra stability, if necessary.



LIFTING SLIDER BEAM INTEGRATION

1. Max Loading

Ensure that the proposed load to be lifted does not exceed the weight rating on the Lifting Slider Beam. Ensure you have checked that the proposed load does not exceed the cross tube rating. The cross tubing is rated by its unsupported length as given by the steel tubing chart on page 15.

Load Bearing

Ensure you have the Lifting Slider Beam on top of a load bearing cross tube.

Position

Ensure the Lifting Slider Beam is central to the cross tubing to ensure the system is stable.

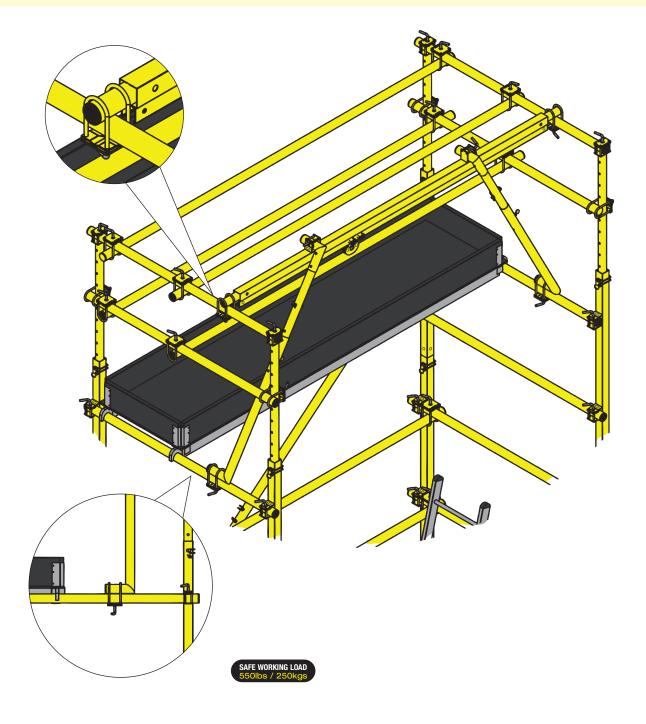
Secure

Ensure you secure the Lifting Slider Beam at both ends using Lobands.

5 Swaybraces

Ensure swaybraces are fitted correctly using Lobands.

Ensure all clamps and Lobands are fully tight.

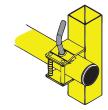


The LOBO System Side Clamp

The side clamp refers to any clamp located on the front face of any LOBO System component. Ensure that the L-Bolt is fully tightened during assembly.

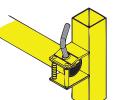
Fig 1a: Shows the correct use of the LOBO System side clamp. You must ensure that the tube is level with the end of the side clamp or protruding at least through the side clamp. You must pay particular attention to ensure that the tube itself is level with the edge of the side clamp and not the end caps as this would mean that the tube itself is 5mm short of being flush with the edge.

Fig 1b: Clearly shows that the tube is not fully inserted into the side clamp and this is not acceptable under any circumstances.











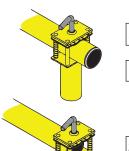


The LOBO System Top Clamp

The top clamp refers to any clamp located on the top of the leg inserts of any LOBO System component. Ensure that the L-Bolt is fully tightened during assembly.

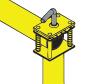
Fig 2a: Shows the correct use of the LOBO System top clamp. You must ensure that the tube is level with the end of the top clamp or protruding at least through the top clamp. You must pay particular attention to ensure that the tube itself is level with the edge of the top clamp and not the end cap as this would mean that the tube itself is 5mm short of being flush with the edge.

Fig 2b: Clearly shows that the tube is not fully inserted into the top clamp and this is not acceptable under any circumstances.













The LOBO System Loband

The Loband is available with a round (LC1) or square (LC3) end. These instructions apply to both varieties. Ensure that the L-Bolt is fully tightened during assembly.

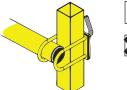
Fig 3a: Shows the correct use of the LOBO System Loband clamp. You must ensure that the tube is protruding a minimum of 5mm through the Loband clamp to ensure a safe and strong fit and to prevent damage to the end cap.

Fig 3b: Clearly shows that the tube is not fully inserted into the Loband clamp and this is not acceptable under any circumstances.













The LOBO System Ladder Clamp

The LOBO Ladder clamp must only be used to secure a ladder and has no other uses on the LOBO System. Ensure that the L-Bolt is fully tightened during assembly.

Fig 4a: Shows the correct use of the LOBO Ladder clamp. You must ensure at least 2 ladder clamps are used per ladder.

Fig 4b: Clearly shows no ladder clamps in use and this is not acceptable under any circumstances.

Fig 4c: Clearly shows only one ladder clamp in use and this is not acceptable under any circumstances.























Safety checks, periodic checks and maintenance

Whilst building the system ensure the following are checked:

Check L-Bolts and thumb screws on ALL system components are fully tight and are undamaged.

Check to ensure that all height adjustment pins are present and that the wire spring is present and undamaged.

Check ALL welds for signs of cracking. This check must also be carried out on the aluminium Loboards as well.

Check for dents in all system components including the round tubes and the aluminium Loboards.

Check the compression springs and their condition, the side clamp has 1 spring and the top clamp has 2 springs.

After 5 days of the system being erected:

Check to ensure that the L-Bolts and thumb screws are fully tight and are undamaged.

Check general condition of system and Loboards.

After 28 days of the system being erected:

Check L-Bolts and thumb screws on ALL system components are fully tight and are undamaged.

Check to ensure that all height adjustment pins are present and that the wire spring is present and undamaged.

Check ALL welds for signs of cracking. This check must also be carried out on the aluminium Loboards as well.

Check for dents in all system components including the round tubes and the aluminium Loboards.

Check the compression springs and their condition, the side clamp has 1 spring and the top clamp has 2 springs.

Maintenance

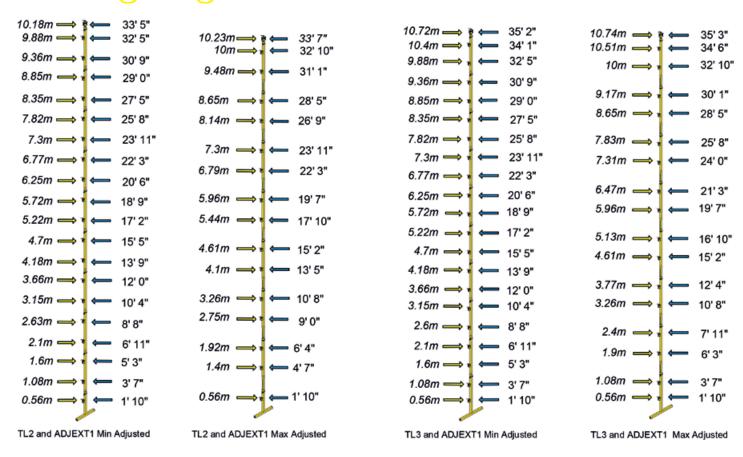
Every 12 months:

Ensure that all L-Bolts and thumb screws are greased to ensure maximum durability of the product.

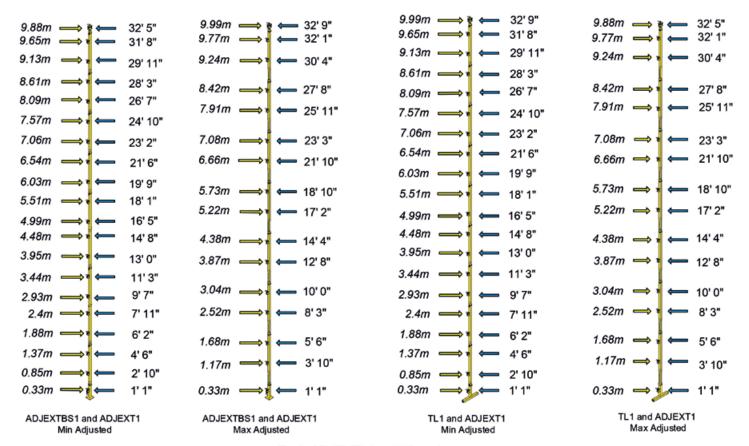
If any parts are missing or damaged, do not use the LOBO System until it is either repaired or replaced.



standing heights



Each ADJEXT1 is 1035mm long All dimensions to Loboard deck height



Each ADJEXT1 is 1035mm long All dimensions to Loboard deck height

GENERAL CONDITIONS FOR SUPPLY OF GOODS

LOBO Systems ("LOBO") and The Customer ("Customer")

GENERAL

These Conditions of Trading shall apply in their entirety as between LOBO and the Customer and shall prevail over any inconsistent terms or conditions contained or referred to in the Customer's order or in correspondence or elsewhere or implied by trade, Customer, practice or course of dealing unless specifically agreed to in writing by Lobo and any purported provisions to the contrary are hereby excluded.

These terms together with such special conditions as are agreed between the parties shall apply to all contracts made or to be agreed by the Customer for the supply of

LOBO reserves the right to amend or vary these conditions of business on giving seven days notice thereof in writing.

No variation to the contract or these terms shall be binding unless agreed in writing by the authorised representatives of the parties

Customers may order in response to LOBO's written quotations, which shall be valid for 30 days.

An order constitutes an offer by the Customer to purchase the goods subject to these terms. Each order constitutes the basis of a separate contract.

No order shall be acted upon unless given by the Customer in writing together with the Customer's official order number.

PRICES

- The price of the goods shall be as set out in LOBO's written quotation provided prior to placement of order. Prices and all other sums payable hereunder shall be exclusive of Value Added Tax and all taxes or duties that may be levied or based upon the prices. Value Added Tax and all such taxes or duties (with the exception of any tax levied or based upon the income of LOBO) shall be paid by the Customer as additional charges hereunder. by the Customer as additional charges hereunder.
- Each written quotation shall contain details of any additional charges including carriage and insurance.

SPECIAL REQUIREMENTS

We reserve the right to deliver and invoice any goods made especially to customer's specification by us in good faith, and left on hand due to cancellation of all or part of the contract.

Cancellation

LOBO may at it's absolute discretion, agree or not to the Customer cancelling a purchase order with Lobo, subject to a charge of up to 25% of the full amount of the

Modifications to an order can only be accepted subject to such charges (if any) as LOBO may in it's absolute discretion agree.

Returns 4.3

LOBO may, at it's absolute discretion, agree or not to the Customer returning goods which have been purchased from LOBO and are now surplus to the Customer's requirements, subject to a Restocking charge of up to 25% of the full amount of the goods returned.

The goods must be in the same condition as when dispatched to the Customer. Goods purchased specifically on a 'Sale or Return' or 'Demonstration' basis will not be subject to a Restocking Charge.

PAYMENT

- LOBO requires cash or credit card details with orders unless the Customer has an account with LOBO
- For Customers with accounts LOBO shall on or after delivery of the goods invoice the Customer for goods supplied and each invoice shall give details of the goods in question and quote the purchase order number.
- Account Customers shall pay for goods delivered within 30 days from the date of invoice. LOBO reserves the right to withdraw an Account Customer's credit facility at any
- The Customer agrees to make known in writing to LOBO any comments, complaints or other lawful objections which may delay the payment of the invoice by the due
- LOBO may exercise it's statutory right to charge the Customer interest at the rate of 8% per annum above the current base rate and also compensation for debt recovery costs under the late payment legislation for non payment or any payments which are not in accordance with our agreed terms.

DELIVERY

- Unless otherwise agreed in writing, LOBO shall deliver the goods to the delivery location specified by the Customer
- **6.2** Delivery shall be subject always to availability. Where LOBO has the requisite goods in stock, dispatch following an order will normally be within 3 working days unless otherwise arranged.
- **6.3** All cancelled orders are subject to a restocking charge.
- For any order in excess of £15,000 LOBO reserves the right to divide the consignment into separate batches none of which shall be in excess of £15,000.

RISK AND PROPERTY

- Risk in the goods shall pass to the Customer when the Customer has accepted delivery at its premises. The goods shall remain the property of LOBO until paid for
- in full by the Customer.

ACCEPTANCE

- If any goods comprised in a delivery are damaged in transit, are defective or not in accordance with the order transit, are defective or not in accordance with the order the Customer may either reject that part or, at its option, require LOBO to replace the damaged goods free of charge as quickly as possible provided that in the case of damage to or defects in the goods.

 (a) apparent at delivery, the Customer shall so notify LOBO within 24 hours of delivery and
 (b) not apparent at delivery, the Customer shall so notify LOBO within 48 hours of delivery.
- **8.2** All costs relating to carriage and re-delivery of goods rejected by the Customer shall be borne by LOBO.

WARRANTIES & LIABILITIES

- LOBO warrants to the Customer that for a period of 12 months, or such other period as may be notified in writing, from the date of delivery, the goods shall be free from defects in design, materials and workmanship.
- The Customer shall notify LOBO of any breach of this warranty and LOBO shall promptly, at its option, either repair or replace the defective Goods (or relevant part) Any delivery expenses relating to (i) the return to LOBO's premises of the defective Goods (or part); and (ii) the delivery of replacement or repaired goods (or parts) shall be borne by LOBO.

Liability

LOBO fully excludes all liability whatsoever to the Customer in any way relating to this contract, gives no express warranties, other than those referred to in paragraph 9.1 above and expressly excludes the operation of any implied warranties and the Customer shall indemnify and hold LOBO harmless against any liability whatsoever.

IPR INDEMNITY

LOBO warrants that the goods shall not infringe any patent trademark or other intellectual property right of any third party and shall, at its own expense, indemnify and hold harmless the Customer and defend any action brought against same with respect to any and all liabilities, actions, claims, proceedings, damages, reasonable costs (including but not limited to court costs and reasonable legal fees), charges and demands, to the extent such are based upon a breach of this warranty.

CONFIDENTIAL INFORMATION
Unless otherwise specifically agreed by LOBO, no detail, or information of any kind, is to be disclosed to any third party and all matters relating to the Contract are to be considered confidential. Nothing relating to the Contract is to be used by the Customer other than for the purposes of performing the Contract.

FORCE MAJEURE

Either party shall be excused from the performance of its obligations under a contract if and to the extent that such performance is prevented by reason of any act or matter beyond the reasonable control of the party claiming the benefit of this clause.

LAW AND ARBITRATION

The contract shall be governed by and construed in accordance with the laws of England and the parties agree to submit to the jurisdiction of the English courts. www.lobosystems.com







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