

Climalite

Aluminium towers for hire and sale.



CLIMALITE TOWER INTRODUCTION

Climalite was introduced in 1976 as a heavy duty aluminium tower designed to cater for user requirements falling between the heavy duty users of Climasteel and the lighter weight users of Climalloy.

In its concept and design Climalite is unique and with the recent changes to make the tower more adaptable it should increase its market share. In 1986 it is hoped that it will comply with B.S. 1139 Part 3.

With the ability to substitute for either Steel Towers or Aluminium Towers in many situations, and its very competitive price, Climalite has considerable potential still to be exploited.

CLIMALITE MATERIAL SPECIFICATION

Climalite components are made from the following alloys:-

Standard - 129/32 O.D.
7 gauge aluminium scaffold tube
Remainder of frame 2" x 1 1/2" aluminium box section

All welded construction gives extra strength to the frames and allows a far greater strength to weight ratio than steel towers.

Loading

Following the introduction of the new Climalite castor the performance of towers with platform unit decking is -
Maximum static safe working load on complete structure
= 816 Kg (1800 lbs)

Whilst a platform will have -
Maximum static uniformly distributed safe working load
= 272 Kg. (600 lbs)

Limitation to Use

All towers are governed by height as follows:-

Free standing - 3 times minimum base width, externally
3 1/2 times minimum base width, internally

Note that greater height can be reach by tying in towers with tube fittings which are compatible with the standards over the whole length.

Climalite Material Specification

Material Used in Manufacture

Climalite component parts are made from the following alloys:-

Tubes	HT30-TF or HT20-TF BS1471 1972 HE30-TF or HT20-TF BS1474 1972
Extruded Sections (open)	HE30-TF or HE20-TF BS1474 1972
Castings	LM25-TF BS1490 1970
Filler wire for welding by manual inert-gas Tungsten-arc process	NG2, NG6 & NG21 BS2901 Part 4 1970

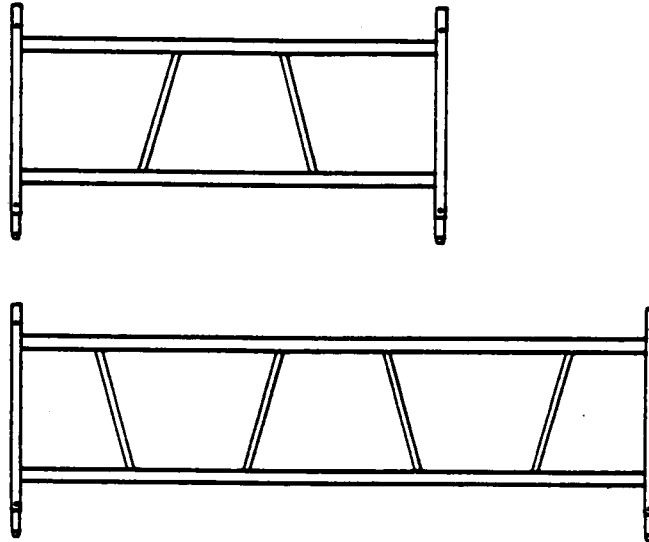
Materials other than Aluminium All components produced in materials other than aluminium comply with the appropriate B.S.

Reasons for using Climalite as opposed to Climalloy:

- For use in site conditions which would result in damage and thus repair charges to conventional aluminium towers.
- Where large platform areas required
- More economical than Climalloy for the majority of applications.
- Can be built up around obstacles because of its open plan ability
- Simple to erect

CLIMALITE COMPONENTS

FRAMES



SPECIFICATIONS

Code No.	- 972	973	974
Weight	- 6.7 Kg	7.4 Kg	9.4 Kg
Overall sizes	- 1550 x 1125 x 50	2050 x 1125 x 50	3050 x 1125 x 50

Areas of Useage - Main frame in tower

Features

1. Lightweight
2. Full 1m lift

Benefits

- Height for height a Climalite tower weighs less than half as much as its steel equivalent, and is therefore easier and faster to erect.
- Allows a full 1 metre lift (50% more than conventional tower) which in turn gives safe and comfortable headroom when working at intermediate levels.
- Gains height faster saving time, effort and money

Features

Benefits

- | | |
|---------------------------------------|---|
| 3. Twist-proof joint | - Each frame has a self-locking spigot which automatically locks one frame at right angles to the one below. This produces greater rigidity and reduces the need for plan bracing, this in turn gives a greater variation of unobstructed intermediate platform levels. |
| 4. Interlocking pins of spring steel | - Gives positive locking between frames, yet it is captive to prevent loss.

- Easily replaced if damaged.

- Allows use of stabilisers |
| 5. Compatible with standard tube | - Unlike many Aluminium and Steel towers. Climalite can be coupled with standard tube and fittings. |
| 6. Identical frames except for length | - Allows frames to be utilised to give six different base sizes. |

CLIMALITE ADJUSTABLE LEG



SPECIFICATIONS

Code No.	- 947
Weight	- 1.2 Kg
Overall size	- 510mm x 110mm

Areas of Useage - In all mobile applications for use only with Climalite castors.

NOTE: Under no circumstances is the Climalloy castor to be used.

Features

(1. same as Climalloy)

CASTOR



SPECIFICATIONS

Code No - 929
Weight - 4.2 Kgs
Overall size - 350mm

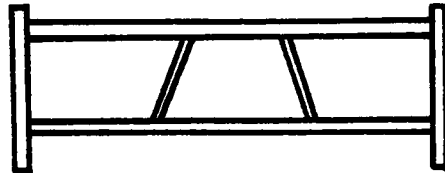
This is now the standard castor for hire and sales. Older 921, 399 and 400 will gradually disappear from the hire stock.

Features

Benefits

- | | |
|-------------------------|--|
| 1. Large 8" castor | - Easier and safer rolling performance |
| 2. Double locking brake | - Greater safety and security |

FOOT FRAME



Code No. - 944
Weight - 3.9 Kgs
Overall size - 1550 x 500 x 50

Code No. - 945
Weight - 4.5 Kgs
Overall size - 2050 x 500 x 50

Code No. - 946
Weight - 5.8 Kgs
Overall size - 3050 x 500 x 50

Features

Benefits

- | | |
|-------------------------------------|--|
| 1. Full 1/2 metre lift | - Keeps dimensions simple |
| 2. Makes full use of adjustable leg | - Allows for use on uneven ground |
| 3. Strong, more rigid base | - Extra bracing unnecessary, with increased safety |

PLAN BRACE

SPECIFICATIONS

Code No	- 975	976	977
Weight	- 3.4 Kg	4.6 Kg	6.6 Kg
Overall sizes	- 2181 x 65 x 50	2888 x 65 x 50	4302 x 65 x 50

Area of Usage - Required in mobile towers. Plan braces are not required in static towers if an open plan tower is required.

Features

1. Simple latch hook ends

Benefits

- Easy erection

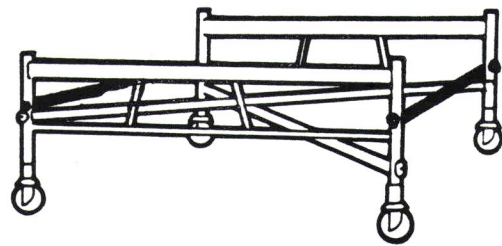
HANDRAIL BRACE

SPECIFICATIONS

Code No	- 978	979	980
Weight	- 2.5 Kg	3.2 Kg	4.8 Kg
Overall sizes	- 1560 x 65 x 50	2060 x 65 x 50	3060 x 65 x 50

Area of Usage - Two handrail braces provide extra bracing on the footframes (see illustration)

- Two handrails in combination with two frames form the handrail square.



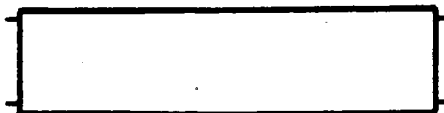
Features

1. Two handrails and two frames handrailing.

Benefits

- Fewer components form are required and erection is simplified.
- The cross bars of the frame form a handrail automatically at the right height.

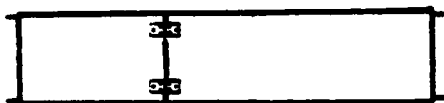
STANDARD PLATFORM



SPECIFICATIONS

Code No. - 985	986	987
Weight - 9.5 Kg	13.3 Kg	18.4 Kg
Overall sizes - 1566 x 500 x 90	2066 x 500 x 90	3066 x 500 x 90

TRAP PLATFORM



SPECIFICATIONS

Code No - 988	989	900
Weight - 8.6 Kg	11.5 Kg	16.1 Kg
Overall sizes - 1566 x 500 x 90	2066 x 500 x 90	3066 x 500 x 90

Area of Useage - Standard ply platform units for all towers.

Features

Benefits

- | | |
|--|-------------------------------|
| 1. Strong aluminium frame. | - For rigidity and long life |
| 2. Trap platform | - Allows safe and easy access |
| 3. Plyboard platforms cheaper than aluminium | - Far cheaper than aluminium |
| | - Of known specification |

TOE BOARDS



SPECIFICATIONS

Plywood

Code No. -	991	992	993
Weight -	2.5 Kg	4.3 Kg	12.2 Kg
Overall sizes	1550 x 225 x 13	2050 x 225 x 32	3050 x 230 x 38

Scaffold Board

Code No. -	905	906	907
Weight -	6.0 Kg	8.4 Kg	12.2 Kg
Overall sizes	1550 x 230 x 38	2050 x 230 x 38	3050 x 230 x 38

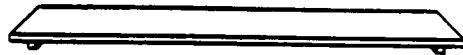
Features

1. Toeboards are simple to use
2. Interchangeable toe boards

Benefits

- Erection easier
- Far greater utilisation of components

SCAFFOLD DECK BOARD



Code No. -	997	998	999
Weight -	6.6 Kg	8.0 Kg	13.5 Kg
Overall sizes	1650 x 230 x 70	2150 x 230 x 70	3150 x 230 x 70

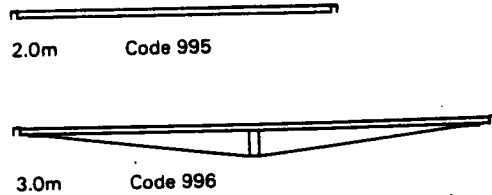
Features

1. Scaffold board decks

Benefits

- Considerably cheaper than other forms of decking.
- Easily replaced.

BOARD BEARER

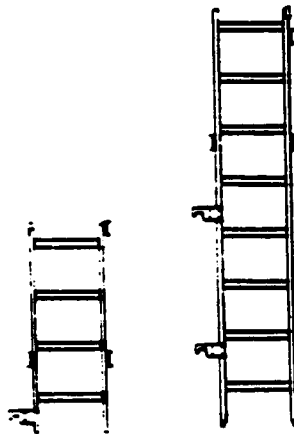


Code No.	-	995	996
Weight	-	3.4 Kg	6.1 Kg
Overall sizes	-	2055 x 60 x 58	3055 x 210 x 60

Area of Useage - Required as scaffold board support on 2m and 3m Climalite towers.

SECTIONAL LADDER

SPECIAL ORDER ONLY



SPECIFICATIONS

Code No.	-	914	913
Weight	-	2.5 Kg	5.2 Kg
Overall sizes	-	1025 x 455 x 270	2025 x 455 x 270

Area of Useage - Provides ladder access to platforms

Features

1. Simple to erect
2. Fluted treads

Benefits

- Saves time for operatives
- Prevents slipping

PLAN BRACES FOR RECTANGULAR TOWERS



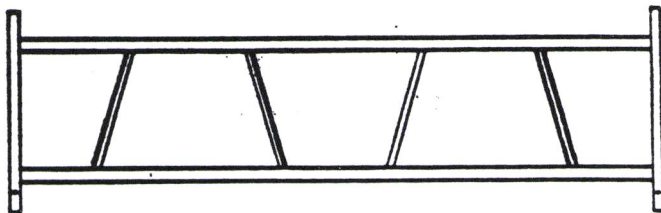
SPECIFICATIONS

Code No.	- 1.5m x 2.0m - 915	1.5 x 3.0m - 916	2.0m x 3.0m - 917
Weight	- 4.0 Kg	5.4 Kg	5.8 Kg
Overall sizes	- 2560 x 65 x 50	3414 x 65 x 50	3666 x 65 x 50

Areas of Useage - Allows more variation in base dimensions.
(six possible base sizes).

Components available on special order

BASE FRAME



Code No. - 908	909	910
Weight - 6.2 Kg	6.9 Kg	8.9 Kg
Overall - 1550 x 995 x 50	2050 x 995 x 50	3050 x 995 x 50

Area of Useage - Intended for use on static towers with adjustable base plates. (The base frame is a standard frame without the spigot, and in order to stop the base lift splaying out, two handrails should be used as foot ties between these two frames).

CLIMALITE

INCLINED LADDERS

INTRODUCTION

A new range of inclined ladders have been introduced which are compatible with both Climalloy and Climalite towers. This will eliminate the previous confusion that existed about which ladder should be used in which tower. All the ladders used are standard lightweight ladders (with the exception to the 2m Lift Ladder Code 285) from our factory at Maldon, with additional top fixings. The following ladders are the ones being introduced into the range to replace the old inclined ladders:

SPECIFICATION

Type	-	D1200	D1200	D1230	D1240	D1555
Code No.*	-	825	3364	3365	3366	3367
Weight Kg	-	3.87 Kg.	7.75 Kg	11.5 Kg	15.5 Kg	28.5 Kg
Rung per section	-	7 (Single)	7 (Double)	11 (Double)	14 (Double)	19 (Double)
Application Heights	-	2m	2-3m	4-5.5m	5-7m	6-9m

Areas of Useage: For internal access in any Climalloy or Climalite towers.

* In 1985 the following ladders were introduced:

- Code No. 3364 replacing 930, 931, 826
- Code No. 3365 replacing 932, 933, 1057
- Code No. 3365 replacing 934, 935, 1058
- Code No. 3367 replacing 936, 1059

Features

Benefits

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Provides inclined ladder access by utilising a standard "D" rung ladder. 2. 44mm (1.75") extra wide flat tread 3. Unique "Alflo" compression moulded rung joint. | <ul style="list-style-type: none"> - Ensures the most economical form of ladder access - Reduced requirement for intermediate platforms and associated handrails as with 70° ladder. - Ladder may still be used for normal ladder applications. - For safe and comfortable working. - Twist-proof construction with turn-proof rungs. |
|---|--|

- | | |
|-------------------------------|---|
| 4. Lightweight Aluminium | - Easily positioned within tower |
| 5. Fitted with top section | - Giving extra safety and comfort |
| 6. Strong, durable top fixing | - Easily clipped on/off. Secure fitting |

Features

Benefits

- | | |
|--|--|
| 7. Safety feet | - Sure footing for ladder. Spread load giving greater stability. |
| 8. (D1555 only)
Continuous rope with swivelling central pulley. | - Easy rope operation and smooth action. |

LADDER STOP

SPECIFICATION

*Code No. 3369 - Universal Ladder stop.

New design of platform universal stop has been introduced, which can be used for Climalloy and Climalite towers alike.

Areas of Useage - with the inclined ladder in alloy towers where inclined ladder access is required.

Features

Benefits

- | | |
|--|---|
| 1. Platform stop clamps to any Climalloy or Climalite platform | - Ensure firm location of ladder on platform
- Greater safety and confidence in use.
- Universal stop for all platforms |
| 2. Two protrusions locate ladder feet - | - Prevents any possibility of lateral movement of ladder |

(*In 1985 the Code No. 3369 Ladder stop replaced the 939, 1061)

TOP FIXING

SPECIFICATION

*Code No. 3368 - Universal Top Fixing

A new designed top fixing has been introduced which will fit both Climalloy and Climalite horizontal rungs, replacing the old 937, 1060.

Features

Benefits

- | | |
|--|--|
| 1. Top fixing is attached to ladder with lock tight nuts and bolts | - Can be fixed easily to appropriate ladders by removal of rubber bungs. |
| 2. Top fixing will clip on to any other Competitors' towers. | Giving greater flexibility. |

100

100