

# COUNTERBALANCE UNITS

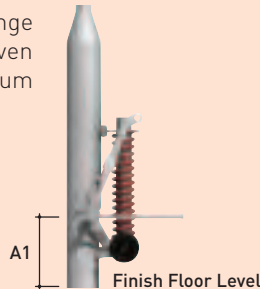
## TO OPERATE LIGHT DUTY BASE HINGED RANGE

### Spring Counterbalance - RLS168

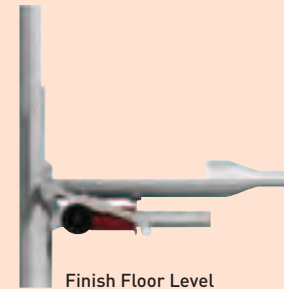
The spring unit, type RLS168, is available in a range of coloured springs. Each spring type has a given capacity, based on the column height and maximum safe working load.



Column key is inserted into the end of the operating lever. Column key item no.XXSC006F



Column Position = Raised, Docked and Locked



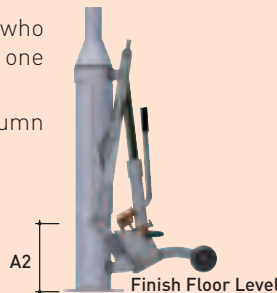
Column Position = Lowered, Un-docked and Un-locked

A1 Design height of the pivot above finished floor level is 300mm. If this distance is less than 230mm, difficulty in fitting counter balance will be experienced

### Hydraulic Counterbalance - RLH168

This hydraulic unit is popular with companies who have multiple column heights and headloads on one site or over a number of sites.

The advantage is that it can operate the full column range regardless of height and headload.



Column Position = Raised, Docked and Locked



Column Position = Lowered, Un-docked and Un-locked

A2 Design height of the pivot above finished floor level is 300mm. If this distance is less than 250mm, difficulty in fitting counter balance will be experienced

Counterbalance Product Code	Column Height	Safe Working Load (kg)	Counterbalance Weights (kg)*
<b>RLS168-yellow</b>	4m, 5m	17, 10	22
<b>RLS168-red</b>	4m, 5m, 6m	27, 18, 10	23.5
<b>RLS168-blue</b>	6m, 8m	27, 18	25
<b>RLS168-green</b>	8m	17	26.5
<b>RLH168</b>	4m, 5m, 6m, 8m	27, 27, 28, 17	37.5**

\*Weight includes operating lever only when used with the light duty base hinged column range

\*\*Weight does not include operating lever (2.5kg for RLH168)

### Column Carrier - RL900M

#### Features

The Abacus Column Carrier System has been designed to safely and conveniently move base hinged columns and guide them into position for installation with minimum effort.

- Designed specifically for the root mounted spring raise and lowering column up to 168Ø and a minimum 6m mounting height
- Enables a column to be safely transported to its installation location and provides a stable platform for the column to be worked on, prior to erection
- The column carrier can be used by one man for moving columns to the installation site
- The column can be lifted into place safely and easily by two men

Note: See page 16 for further images of the product



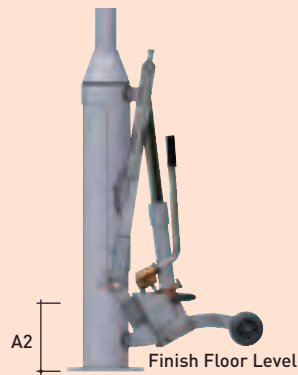
# COUNTERBALANCE UNITS

TO OPERATE MEDIUM DUTY BASE HINGED RANGE

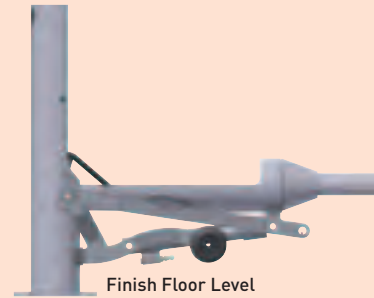
## Hydraulic Counterbalance - RLH168

This hydraulic unit is popular with companies who have multiple column heights and headloads on one site or over a number of sites.

The advantage is that it can operate the full column range regardless of height and headload.



Column Position = Raised, Docked and Locked



Column Position = Lowered, Un-docked and Un-locked

A2 Design height of the pivot above finished floor level is 300mm. If this distance is less than 250mm, difficulty in fitting counter balance will be experienced

Counterbalance Product Code	Column Height	Safe Working Load (kg) up to 12m	Counterbalance Weights (kg)*
RLH168	5m, 6m, 8m	40, 70, 90kg	37.5

\*Weight does not include the operating lever (2.5kg)

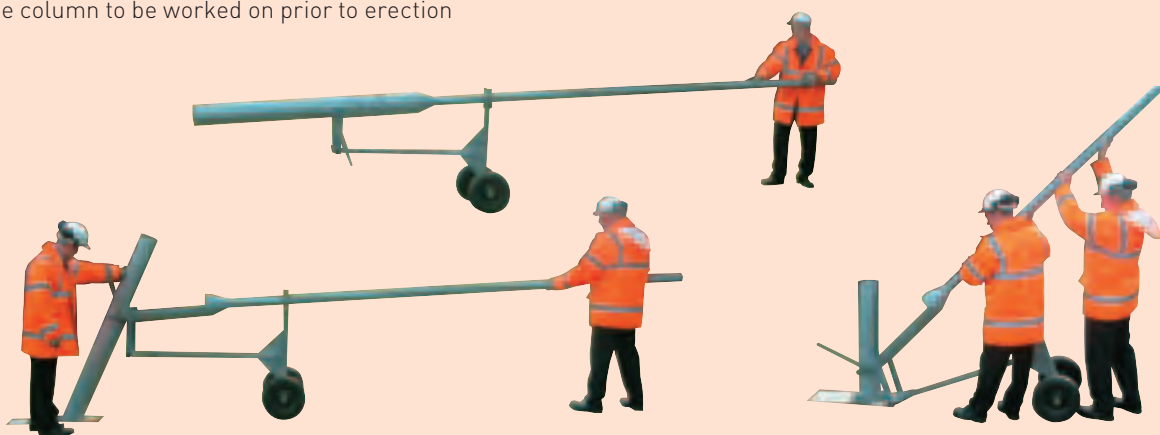
## Column Carrier – RL900M

### Features

The Abacus Column Carrier System has been designed to move base hinged columns safely and conveniently and guide them into position for installation with the minimum of effort.

- Designed specifically for the root mounted base hinged column up to 168Ø and a maximum 6m mounting height
- Enables a column to be transported safely to its installation location and provides a stable platform for the column to be worked on prior to erection

- The column carrier can be used by one man for moving columns to the installation site
- The column can be lifted into place safely and easily by two men



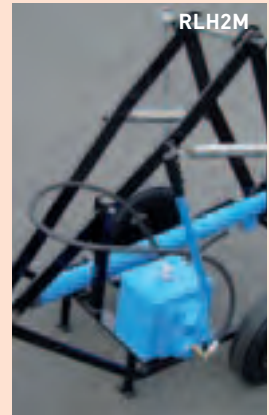
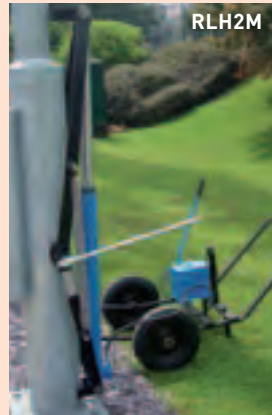
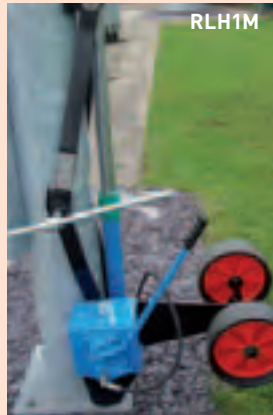
# COUNTERBALANCE UNITS

TO OPERATE HEAVY DUTY BASE HINGED RANGE

## Manual Units - RLH1M and RLH2M

The two manually operated units, RLH1M (light loads only) and RLH2M, lower and raise the columns in a straightforward way.

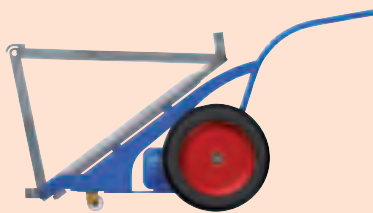
The operating instructions for the units can be found on the Abacus website, in conjunction with a video of the column operation.



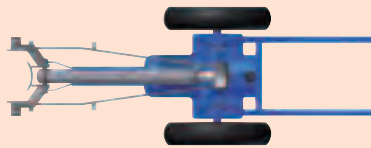
Counterbalance Product Code	Column Height	Safe Working Load (kg) up to 12m	Counterbalance Weights (kg)*
<b>RLH1M</b>	6m, 8m, 10m, 12m	62, 62, 32, 11kg†	49
<b>RLH2M</b>	6m, 8m, 10m, 12m	105, 105, 64, 36kg†	90

\*Weight excludes the operating lever, 3kg independently  
 †Post top applications only

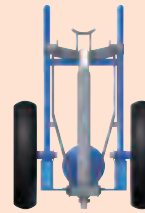
## Motorised Unit - RLH219



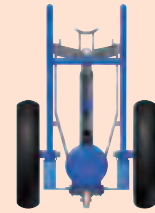
1.



2.



3.



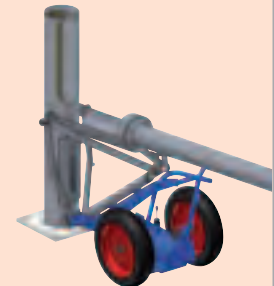
4.

The new RLH219 motorised unit, available from early 2009, offers an improved, faster way to raise the column, by means of an electric pump mounted on the chassis.

The RLH219's design allows the cylinder to be brought up to the column in a simple and practical manner.



5.



6.

Counterbalance Product Code	Column Height	Safe Working Load (kg) up to 12m	Counterbalance Weights (kg)*
<b>RLH219</b>	6m, 8m, 10m, 12m	105, 105, 64, 36kg	90kg (tbc)

\*Weight excludes the operating lever, 3kg independently