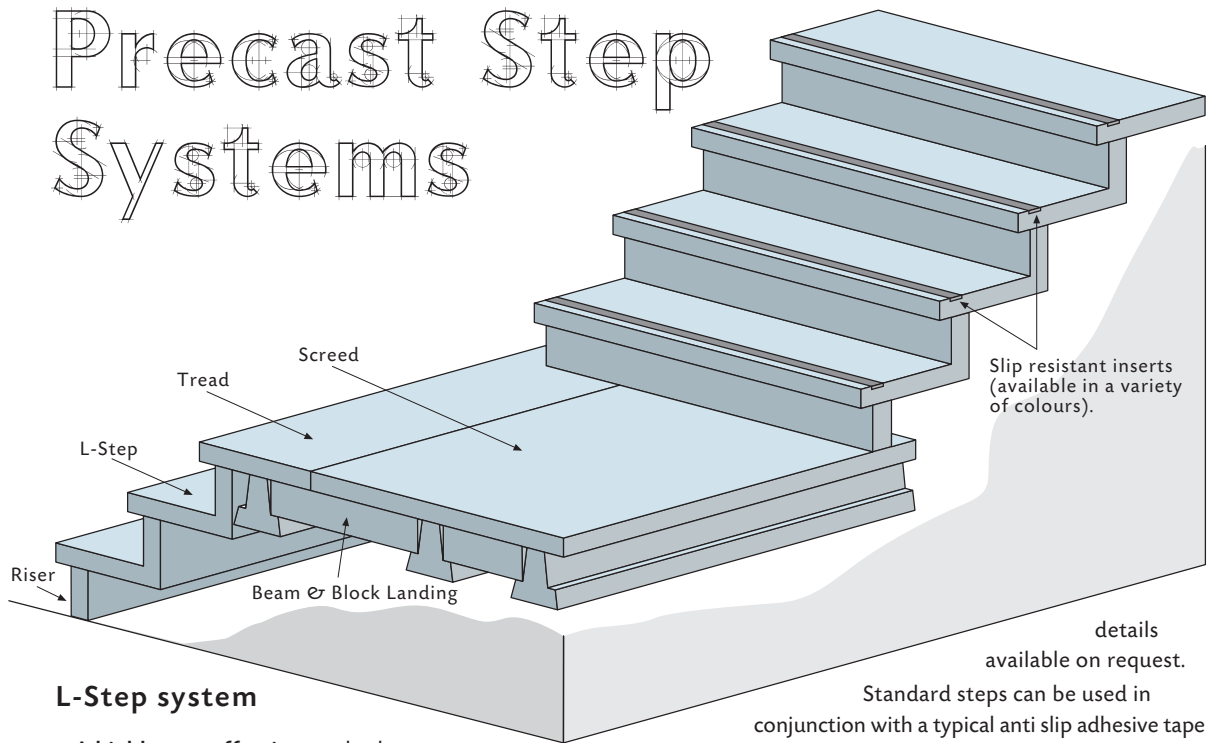


# Precast Step Systems



**MEXBORO**  
THE CAST MASTERS

# Precast Step Systems



## L-Step system

- **A highly cost effective** method of stairway construction being both quick to install and easy to handle.

Due to its component form there is no need for costly craneage or on site shuttering.

- **Greater flexibility** due to the steps adaptable rise and going suiting both general or disabled requirements in virtually all types of closed stairway applications.

- **Strong and durable** with L-Steps supplied in standard lengths from 1.000 metres up to 2.000 metres for a corresponding clear span of 0.800 metres to 1.800 metres between bearing support walls.

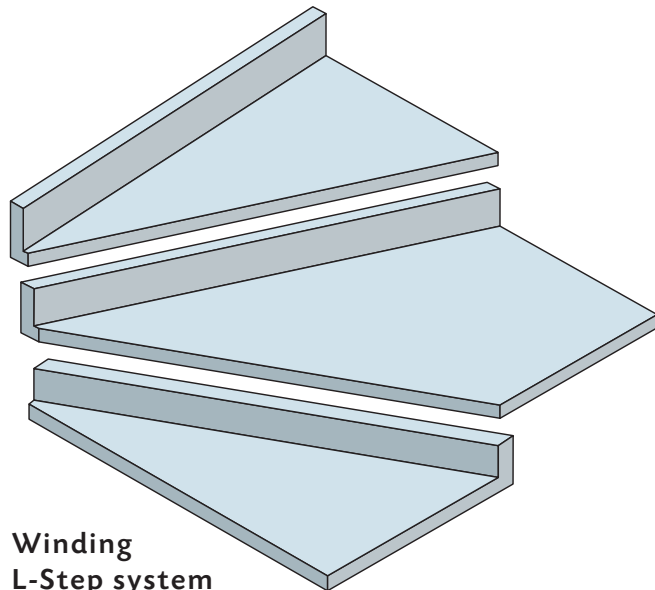
Top treads and riser units are supplied in standard lengths from 1.000 metres to 1.200 metres. Where the overall span for the top tread or riser is required to exceed 1.200 metres then these units can be supplied as two sections. Where a Tread is unsupported by an L-Step then the Tread unit is to be fully bedded onto a beam and block floor or insitu landing.

- **Design performance** generally in accordance with BS.8110 1985 and for a distributed load of 4kn/m<sup>2</sup> or a point load of 4.5kn as loadings specified in BS.6399 Pt.1. The step system is designed for moderate exposure conditions as defined by BS.8110. Step units to comply with more severe conditions can be manufactured as a special.

- **Additional slip resistance** can be achieved for external use by providing an acid etch or exposed aggregate finish to the units.

Furthermore, slip resistant inserts containing high friction additives can be cast into the step making it ideal for areas where wet or greasy conditions are likely to be a problem. Slip resistant inserts are available in different colours with

details available on request. Standard steps can be used in conjunction with a typical anti slip adhesive tape or proprietary anti slip coating available from most builders merchants.



## Winding L-Step system

- **Save on valuable floor space** by using the Mexboro Winding L-Step system.

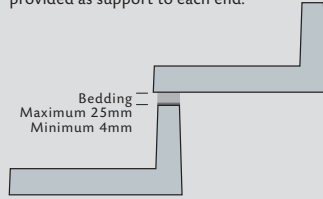
Used in conjunction with the general or disabled L-Step system, winding L-Steps provide an ideal way of constructing a 90 degree return within the stair where a half landing is not required.

The winding steps are supplied in a standard length to suit a maximum opening of 1.200 metres and the projecting overhang is cut off on site to suit.

To order, simply tell us whether the return is left or right handed and whether they are being used in conjunction with the general or disabled L-Step system.

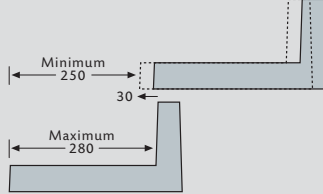
**To vary the rise.**

Simply by varying the amount of bedding from a minimum of 4mm to a maximum of 25mm in certain applications. The joint between the step is to be fully bedded in mortar and a 100mm solid bearing is to be provided as support to each end.



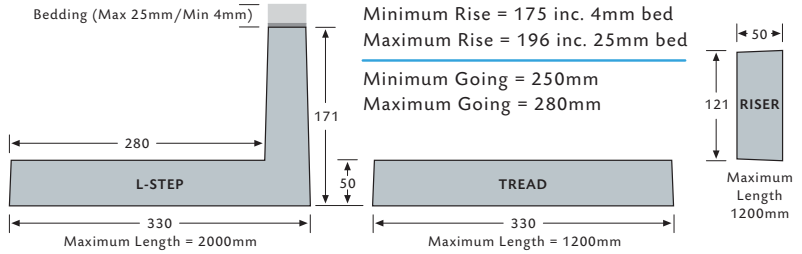
**To vary the going.**

Simply by projecting one unit over another to a maximum of 30mm. The going can be varied from 250mm to 280mm.

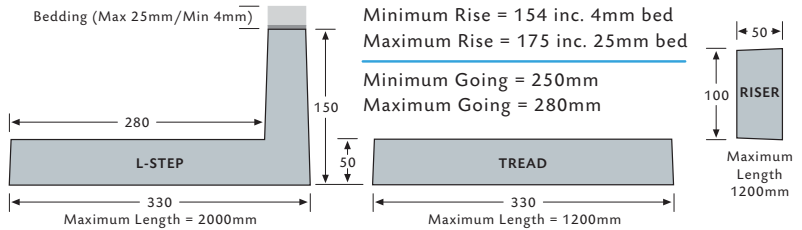


• A wide range of finishes are available from standard grey ex-stock, cast stone Portland or Bathstone, exposed aggregate or a beautiful polished face.

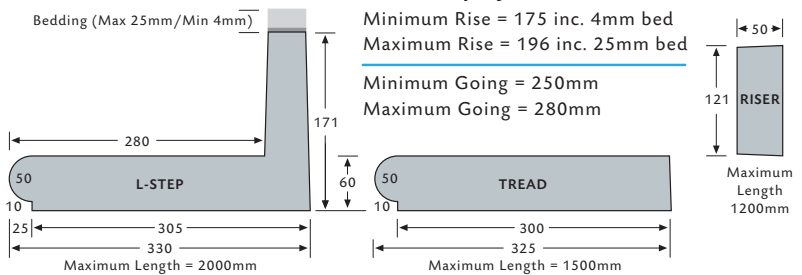
**General L-Step System**



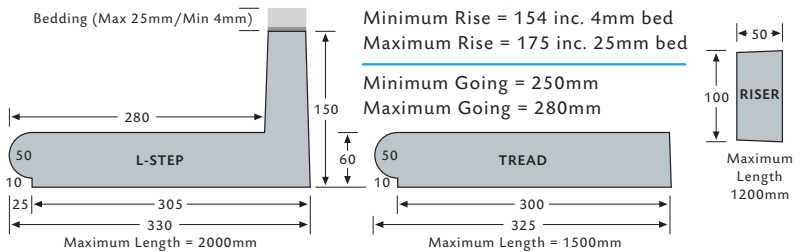
**Disabled L-Step System**



**General Architectural Bull Nosed L-Step System**



**Disabled Architectural Bull Nosed L-Step System**

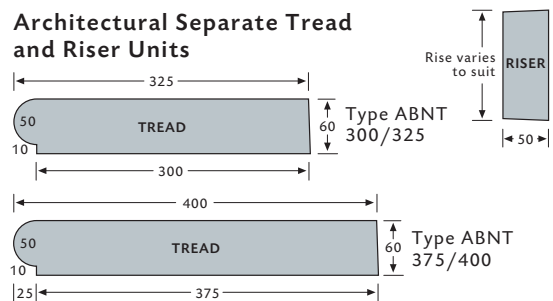


**Building Regulations**

The required and approved dimensions for stairs as set out in 'Document K' are as follows :

Category	Max Rise	Min Going	Notes
Private Single Dwelling	220mm	220mm	Maximum pitch is 42°
Institutional and Assembly	180mm	280mm	Max no. of risers in a flight is 16 if used in a shop or assembly area. Going may be 250mm for buildings of less than 100m² floor area.
Others	190mm	250mm	
Disabled	170mm	250mm	Max rise between landings of 1800mm and clear flight width of 1000mm.

**Architectural Separate Tread and Riser Units**



Mexboro also design and manufacture a range of standard as well as special solid flights for open staircase applications. For further information on solid stairs please refer to our Precast Stairs System brochure.

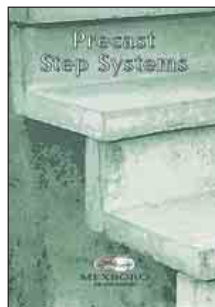
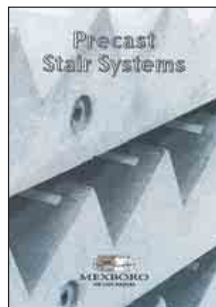


**Talk to us about your projects and requirements.**

Our technical and sales team will be happy to visit sites, supply quotations, and give structural and technical advice.

**Other Products.**

For further information or brochures on any of the following products please contact us or visit our website: [www.mexboroconcrete.co.uk](http://www.mexboroconcrete.co.uk)



**Structural**

- Beam & Block Flooring • Lintels • Staircases & Landings • Step & Riser Units • Ground Beams • Duct Covers • Retaining Walls • Frames, Columns & Beams • Bollards • Polished Face Units • Specialist Work

**Architectural**

- Urns • Ball Finials • Coping & Pier Caps • Columns • Porticos • Door Surrounds • Quoin Stones • Window Cills & Surrounds • Gate Piers • Lintels & Gable Vents • Fireplace Surrounds • Plinth/String Courses • Faced 'Ashlar' Blockwork

For over thirty years Mexboro has specialized in the manufacture of high quality architectural cast stone and structural precast concrete and it is now one of the largest precast specialists in the South West of England.

Our portfolio of products spans the building industry from quality architectural stonework to precision structural concrete, and from individually designed one-off units to an extensive range of standard lines.

Mexboro is proud to have been associated with the supply of cast stone to numerous prestigious developments including projects for English Heritage, The National Trust, P.S.A. and the Ministry of Defence.



**MEXBORO CONCRETE LIMITED**

*'Manufacturers of Architectural & Structural Precast Concrete'*  
Yalberton Industrial Estate • Alders Way • Paignton  
Devon • TQ4 7QQ

Telephone: 01803 558025 • Facsimile: 01803 524717

Email: [sales@mexboroconcrete.com](mailto:sales@mexboroconcrete.com)

Web: [www.mexboroconcrete.com](http://www.mexboroconcrete.com)

We strongly recommend that when using our products in any application professional advice is sought to confirm compliance with building regulations. The Company's continual development of new products means that the information in this brochure is subject to change without prior notification. Colours shown are only for illustration due to the printing process involved.