

L-STEPS

- Highly cost-effective method of stairway construction.
- Can be used in virtually all types of industrial, commercial and domestic closed stairway applications, including buildings for the disabled.
- Adaptable rise and going.
- All-weather construction.
- No shuttering required.
- Quick to install.
- Light to handle.
- Strong, durable.
- Natural stone finishes include Portland stone, Ham stone, Bath stone and Red sandstone. Variations can be achieved with precise pigmentation control. Exposed aggregate finishes available in natural granite and limestone. Units can also be polished to reveal the beauty of natural stone.
- Special variations and one-off steps can easily be produced.

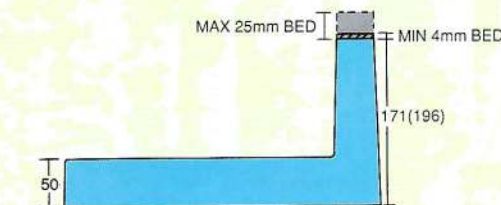
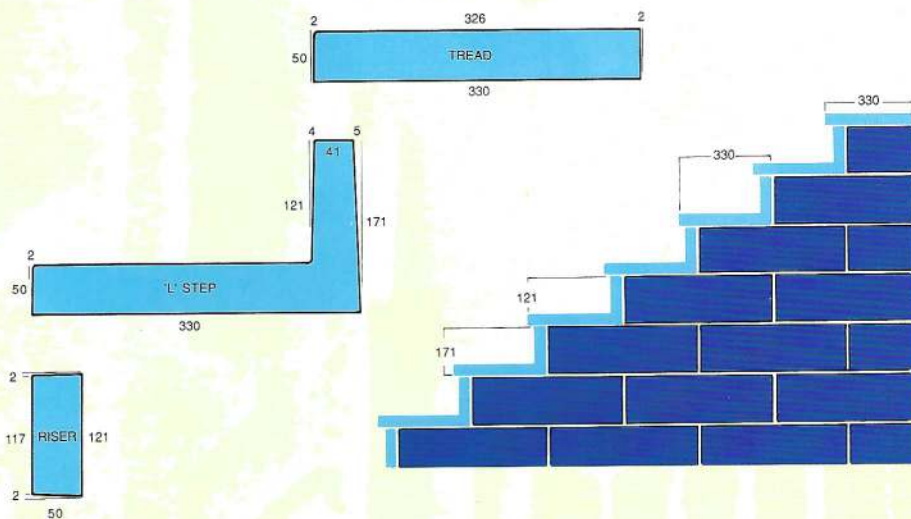


APPLICATION

The rise can be varied simply by varying the amount of bedding from a minimum of 4mm to a maximum of 25mm in certain applications. By projecting one unit over another, the going can be varied from 250mm to 280mm. The joint between the steps is to be fully bedded in mortar to a minimum of 4mm, and a 100mm solid bearing is to be provided as support to each end.

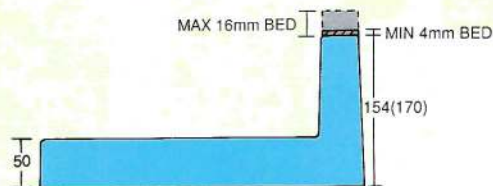
DESIGN

All steps are designed generally in accordance with BS 8110 1985. General and Disabled L-Steps are designed for a distributed load of 4kN/m² or a point load of 4.5kN as loadings specified in BS 6399 Part 1:1984. Industrial L-steps are designed for a distributed load of 5kN/m² or a point load of 4.5kN as loadings specified in BS 6399 Part 1:1984.



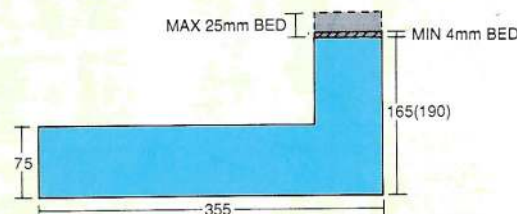
| GENERAL STEPS | |
|---------------|---------------------|
| MIN RISE | 175 (incl 4mm BED) |
| MAX RISE | 196 (incl 25mm BED) |
| MIN GONG | 250 |
| MAX GONG | 280 |

DESIGN LOADING 4. KN LOADING WITH 4.5 KN CONCENTRATED LOAD TO A 2.000 METRE SPAN



| DISABLED STEPS | |
|----------------|---------------------|
| MIN RISE | 158 (incl 4mm BED) |
| MAX RISE | 170 (incl 16mm BED) |
| MIN GONG | 250 |
| MAX GONG | 280 |

DESIGN LOADING 4. KN LOADING WITH 4.5 KN CONCENTRATED LOAD TO A 2.000 METRE SPAN



| INDUSTRIAL STEPS | |
|------------------|---------------------|
| MIN RISE | 169 (incl 4mm BED) |
| MAX RISE | 190 (incl 25mm BED) |
| MIN GONG | 250 |
| MAX GONG | 280 |

DESIGN LOADING 5. KN LOADING WITH 4.5 KN CONCENTRATED LOAD TO A 2.000 METRE SPAN

USEFUL INFORMATION

| Staircase Type | Private Giving Single Access | Common Giving Joint or Multit Access | Disabled | Institutional and Assembly Buildings | Any Type not Described |
|----------------|------------------------------|--------------------------------------|----------|--------------------------------------|------------------------|
| Rise (max.) | 220 | 190 | 170 | 180 | 190 |
| Going (min.) | 220 | 240 | 250 | 250 | 250 |

The above information has been abstracted from Building Regulations Documents K: 1985, M: 1987 and amendment 1: 1988