

**Product Name :**  
Basic Roof Truss**Product Code :**  
ELABHTOOLSUK450003 LAB ENGINEERING**Description :**

Basic Roof Truss

**Technical Specification :**

The basic roof truss consists of two rafters or struts and a restraining tie. Both rafters are pivoted at their apex. The other end of one of the rafters is pivoted to a free standing base, whilst the remaining rafter end runs on ball bearings along a track.

When a load is hung from the apex, the free end of the rafter moves sideways, restrained by a spring balance tie.

Both rafters also include spring balances so that all internal loads can be directly measured.

Table-top experiment for resolving forces and analysing their distribution in simple frameworks

Number of nodes and members: 3

Dial gauge

Set of weights.

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