

**Product Name :**  
Truss Beam Warren Girder**Product Code :**  
ALABS-A167-041**Description :****Truss Beam Warren Girder**

Warren truss beams are frequently used on steel constructions. Experiments with the truss Warren Girder are mounted on the frame of the unit. The mechanical construction of the truss ensures that only tensile or compressive forces are active in the bars. The connection between the bars by means of node discs is "hinged". So this can be described as an ideal truss. The force in the bars is measured using strain gauges. Owing to the symmetrical construction, only half of the bars have strain gauges on them. All strain gauge connections are housed together in the strain gauge box.

**Specification:**

1. Investigation of bar forces in a single plane, statically determinate truss
2. Ready assembled Warren truss beam
3. Influence of dead-weight minimised by horizontal experiment layout
4. Any straight and inclined load cases possible

## 5. Pre-balanced strain gauge connection box

### Technical Data:

*Truss beam: Warren type*

- bar cross-section: 10x3mm, stainless steel
- bar lengths: 270mm, 186,5mm
- tensile force: max. 600N
- bars: 13, of which 7 with strain gauge measuring points Node discs: 8



## Equipments Exporters

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