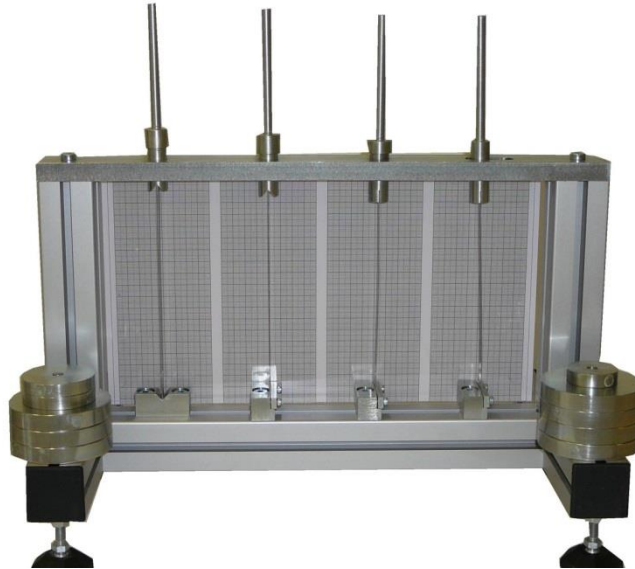


STUDY OF EULER BUCKLING



Experimental capabilities

- **Articulated buckling mode / articulated**
- **Articulated buckling mode / embedded**
- **Embedded buckling mode / embedded**
- **Embedded buckling mode / Free**

SFB100



Operating principle

The SFB 100 bench allows to study the various cases of Euler buckling

Demonstration of the effect of articulated linkages, embedded or free of the beams

Evaluation of various critical efforts

Visualization of the different deformed

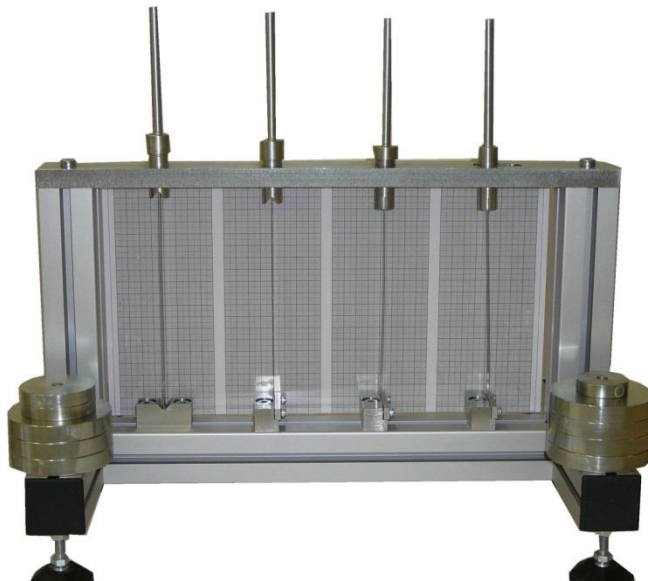
.The robust design of this device makes it suitable for use in schools.

The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.

The manufacture of this equipment complies with the European standard for machinery manufacturing.

This equipment can be used alone or with other compatible equipment from our range (see last section of this document).

Illustrations



Technical details

Structure :

1 anodized aluminum structure on legs
Rear millimeter plane inserted between 2 polycarbonate plates.
2 weight brackets

Beams:

4 beams ep 0.5mm mounted respectively on linkage brackets

- articulated / articulated
- Embedded / articulated
- Embedded / embedded
- Embedded / free

Each beam is equipped in upper part with weight bracket for carrying axial loading until the buckling

These brackets provide a distorted limiting function in order to avoid plasticization of beams and thus authorizing their reusing prolonged

Weight :

- 7 weight of 500g
- 2 weight of 200g
- 1 Weight of 100g

Services required

- Dimensions: (LxWxH mm): 460 x 175 x 380
- weight (Kg): 10

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

Documentation

- User's manual
- Technical documentation of the components
- Certificate of conformity CE

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Dans le cadre de l'amélioration permanente de nos produits, ce descriptif technique est susceptible d'être modifié sans préavis
As part of the continuous improvement of our products, this technical specification may be modified without previous notifying

Illustrations non contractuelles / Illustrations not contractual

version : FT-SFB100-STD-A