SFT 300

BENDING BENCH - SIMPLE TORSION

SPECIFICATIONS	Pedagogical activities

- Certificate of conformity CE.
- ISO 9001 Certification.
- Manufacturing by our workshops.
- Anodized aluminum chassis mounted on 4 adjustable feet for perfect stability

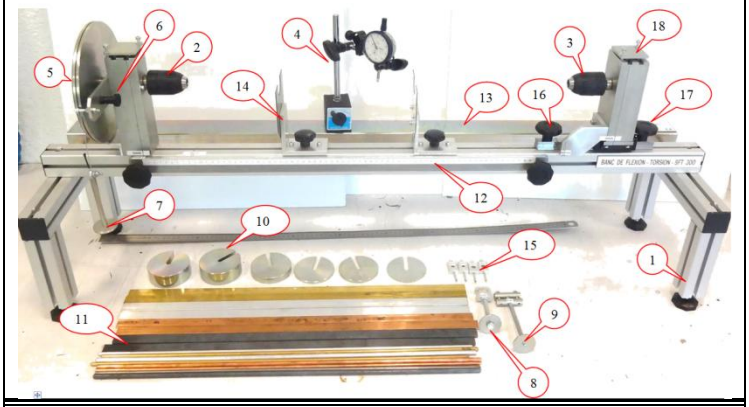
Description

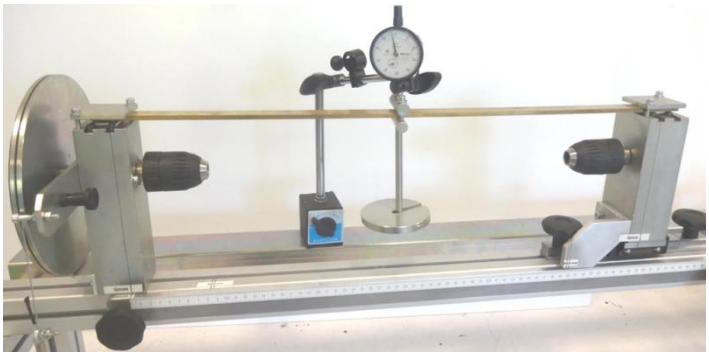
- The SFT 300 bench allows to study the flat profiles flexion as well as the torsion of round profiles
- Demonstration of the unitary torsion angle.
- Measuring the total torsion angle
- Measurement of the deformed in flexion
- Influence of the types of connections (embedded or point)
- Educational manual provided.
- Design, manufacturing and industrial equipment
- The didactic interest of SFT 300 is directed to the IUT, engineering schools and universities in mechanical sections

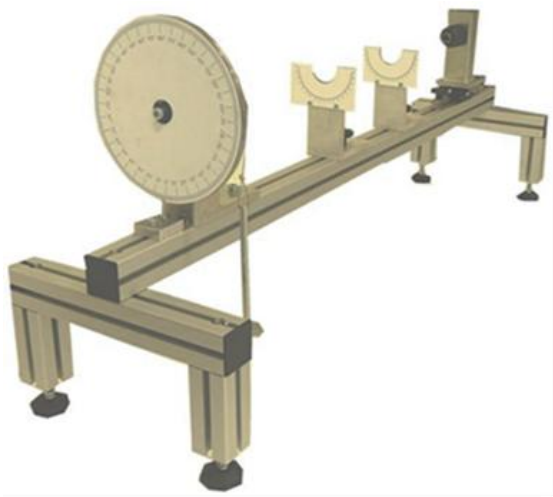
- **Determination of the unitary torsion angle**
- **Determination of total torsion angle**
- **Study of the flat profiles bending**
- **Comparison of theoretical and practical approaches of the deformations**
- **Measurement of the deformed (in bending and torsion)**

SFT 300

Technical characteristics







Technical specifications

1. Structure aluminum on 4 feet adjustable for perfect stability
2. Fixed support equipped with rotatable mobile chuck
3. Translating mobile support equipped with the fixed chuck
4. Comparison on adjustable magnetic support, for measuring the bending beam deformation
5. Dial + end pulley for measuring the torsion.
6. Locking bolts at the angular position 0° of the end pulley for torsion testing.
7. Weight support for application of torsion torque on the test tube
8. Load support for bending tests on round test tubes
9. Load support for bending tests on flat test tubes
10. Set of weights 1kg, 500g, 200g and 100g
11. Assortment of 8 test tubes in steel, brass, copper and aluminum for torsion (diameters 6 and 8 mm), and 8 test tubes of rectangular section of steel, aluminum, copper and brass for bending tests
12. Mobile ruler for determination of the length of the test tube
13. Steel support for maintaining the magnetic base
14. Mobile dials (positionable along the beam) indicating the angular deviation at any point of the beam
15. Torsion measuring needles on movable disk to be placed on round Ø6 & 8mm
16. A tightening screw A of the mobile support rail
17. Screw B for tightening of the mobile support rail
18. Support test tube in flexion for point connection or embedding

Utilities :

- Dimensions (L x W x H in mm) : 1200 x 300 x 420
- Weight (in Kg): 25 approx

Documentation:

- Notice technique
- Travaux pratiques
- Certificat de conformité CE
- Technical Information
- Practical work
- Certificate of conformity EC

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