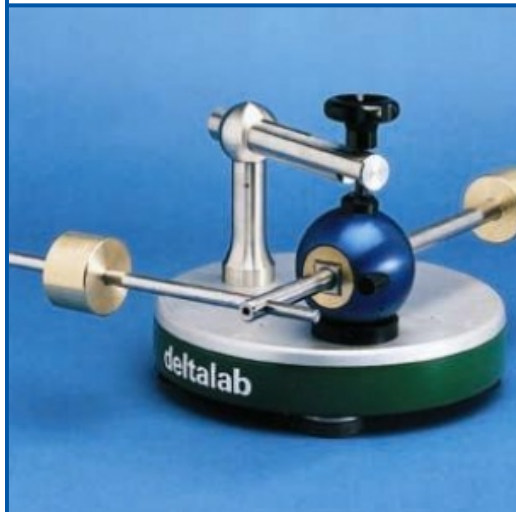


# APPARATUS FOR STUDYING ELEMENTARY MECHANICAL LINKS AND



*Non contractual photo*

**SERVICE : EI616 EXTENSOMETRY BRIDGE**

**PC TYPE COMPUTER**

**DIMENSIONS : 400 X 400 X 300 MM**

**WEIGHT : 10KG**

## REFERENCE : EX200

The apparatus of study of the elementary mechanical connections and the associated 3D torsors is intended for the technical and scientific trainings for the fundamental study of the torsor representation. The direct contact links studied, close to those used in mechanical engineering, are: straight linear, linear annular, pivot, sliding pivot, slide, ball joint.

### Technical specifications :

#### Proposed TP Themes :

- Experimental analysis of the mechanical connection in all its aspects:
- Perfect link: search for the ideal reference point and determination of the torsor of the corresponding transmissible forces
- Real connection: effects of friction on mechanical behavior, buttressing, reversibility, efficiency

#### Composition :

- Measuring plate, connecting sphere, ball holder, positioning pin
- Set of links and accessories
- Acquisition card with connection cables
- Software
- Educational and technical file

### OPTIONS :

Supplement for the study of single and compound bonds EX200C2  
EX200C3 Loading System Supplement for the study of friction and bracing EX200C4