



*Non contractual photo*

**SERVICE :**

**DIMENSIONS : 680 X 395 X 310 MM**

**WEIGHT : 60KG**

## REFERENCE : ROULEAULAB

**ROULEAULAB is a system intended for mechanical maintenance training. This system is a set of two rollers clamps whose function in industry is to entrain a material in a band or in sheet, strip of steel, aluminum, paper.**

### Educational Objectives :

- Analysis of constructive solutions.
- Preventive Maintenance:
  - Handling with lifting device.
  - Lubrication (two lubricators).
  - Lubricating rings, bearings.
- Curative Maintenance:
  - Internal and external circlip change.
  - Replacement of defective rings.
  - Change of bearings, bearings, guides.
- Settings: dimensional, parallelism, level, perpendicularity, tightening torque.
- Production: Controlled paper web feed.
- Check: Dimensional, parallelism, level, perpendicularity, tightening torque.

### Technical specifications :

Pinch rollers are thus more generally found in the iron and steel industry and stationery: finishing lines, paper production. The raw material for the use of ROULEAULAB in the educational field is sheet paper, A4 or A3 format. ROULEAULAB is a bench machine requiring multiple mechanical adjustments to obtain a correct feed of the sheet of paper. The final state of the sheet of paper reflects the adjustment faults. Various components: bronze rings, bearings, bearings, guide bars allow the operation of ROULEAULAB within the framework of preventive and curative maintenance.

ROULEAULAB is a reproduction with reduced dimensions of an industrial machine called ROLLS PINCEURS. It is used to guide and drive steel, aluminum or paper strips on production lines. ROULEAULAB essentially consists of a support table, an upper roller, a lower roller, two input and output paper guiding systems, a manual drive system.

ROULEAULAB has been designed in a particularly robust way, rigid mechanically welded parts, components from the industrial environment, large screws. This particularity allows multiple assembly and disassembly of the equipment without risk of destruction or loss of components.

The supplied system includes:

- Pinch roller set
- Two defective guide rings.
- Two defective bearings.
- A defective bearing.
- A file of complete plans (nomenclature, assembly and details) under SOLIDWORK.
- Technical and educational documentation on CD

### **OPTIONS :**

All measurement and control equipment: Torque wrench, circlip pliers, level, square, depth foot, dial gauge, vee, common tools.