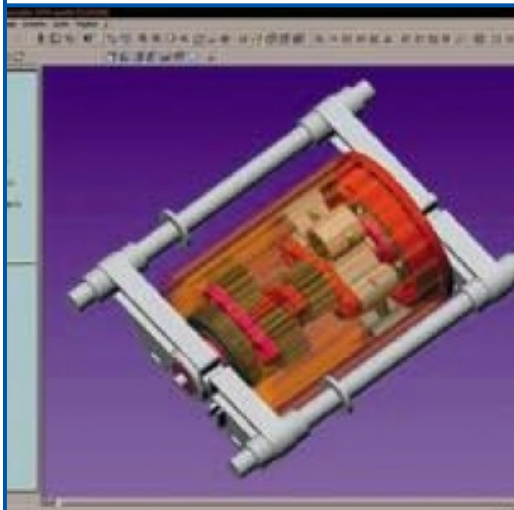


## BRAKING ROLLER

**REFERENCE : EX1110**



*Non contractual photo*

**SERVICE : MASS GAME (5 KG) SOFTWARE:**  
**SOLIDWORKS®, MECHANICAL DESKTOP®,**  
**SOLIDDYNAMICS®, LE MANS® RDM,**  
**COSMOS®**  
**DIMENSIONS : 505 X 305 X 230 MM**

**WEIGHT : 6,5KG**

A braking roller is an industrial product that fits into a dynamic storage chain to brake the pallets before their locking in the final position and their grip by a machine. The student analyzes the constructive solutions from the brake roller in spare parts and 3D CAD files. It verifies the regulation of the speed with the braking roller mounted on its support and the set of masses. Activities in mechanics and resistance of materials are also proposed with the use of software.

### Technical specifications :

#### Proposed TP Themes :

- Analyze constructive solutions from a volume representation and a real product
- Identify the mechanical connections and check the speed regulation
- Study the product relationship - process - material
- Check the elastic resistance of a piece of complex shape (no beam)

#### Composition :

- Braking roller complete and brake roller in parts
- Situational support and mass support
- CD Rom with educational and technical resources (3D - SW, SDS)