

**Solutions for hinges and locking devices for construction equipment**



**PINET is specialised in designing and manufacturing hinges made of rolled metal sheet**

**ADVANTAGES OF ROLLED METAL SHEET**

- Reduced **cost** compared to stamped and/or machined parts
- **Aesthetic** preferred to welded parts
- Good **vibration resistance** against **severe conditions** of service
- Offers the possibility to incorporate a plastic **cover** hiding screw heads
- Available material: **steel** and **stainless steel** for harsher environment
- Capability to roll a hinge up to **6 mm thick**
- Various **surface** treatments available (zinc plating, cataphoresis, painting,...)
- Easily affixed by **screws** or **welding**
- Production available in **small, medium** and **large batch runs**
- **Simple tools** for production
- **Rapid prototypes** for evaluation purposes

**Manufacture according  
to customer drawings**



**Application  
Telehandler**

Door cab hinge



**Application  
Backhoe**

Door cab hinge



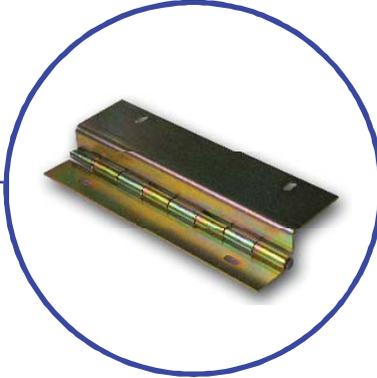
**Application  
Excavator**

Door cab hinge  
for plastic cover

**The PINET solution**

Hinges made from 5 mm rolled sheet steel (raw).  
Semi-automated manufacture by cutting, forming and rolling sheet metal.  
The hinges are affixed by screws on the side of the frame; the door is then assembled on the hinges.  
The hinges are painted along with the cabin.

**Manufacture according  
to customer drawings**



**Application  
Excavator**

Engine cowling hinge



**Application  
Mini-excavator**

Engine cowling hinge



**Application  
Track loader**

Support stay  
with stop for footboard

**The PINET solution**

Hinges made from 3 mm thick rolled sheet steel (raw or zinc plated).  
Semi-automated manufacture by cutting, forming and rolling sheet steel.

Support stay made from 5 mm thick stainless steel for a strong mechanical  
resistance and corrosion free with riveted pin and oblong hole for fast disassembly.

## Standard products



### Locking devices

Locking devices for doors and hoods

## Design to meet customer requirements



### Study of a locking bolt: your case

Bolt to position the driver's seat

#### Constraints:

Reinforcement of an existing bolt to ensure the specific constraints of construction machinery. Offers precise positioning without play of the seat by using a conical part engaging in a round hole.

#### Material and surface treatment:

- bracket made from 4 mm thick steel with reinforced zinc plating
- bolt made from 16 mm square steel with reinforced zinc plating
- return spring made of stainless steel

