PINET®
Hinges and hardware

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

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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.

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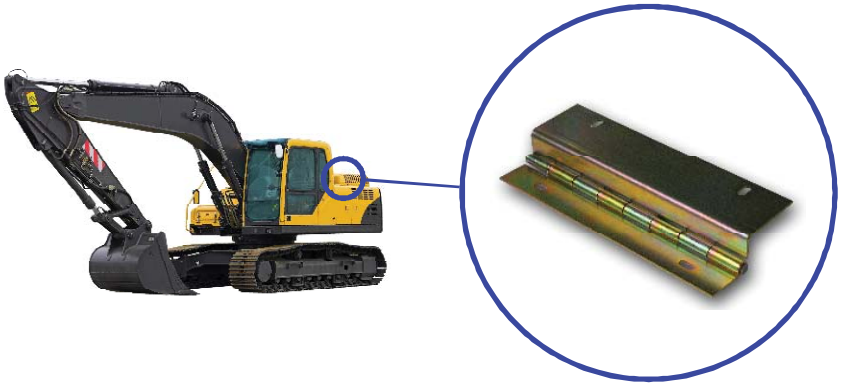
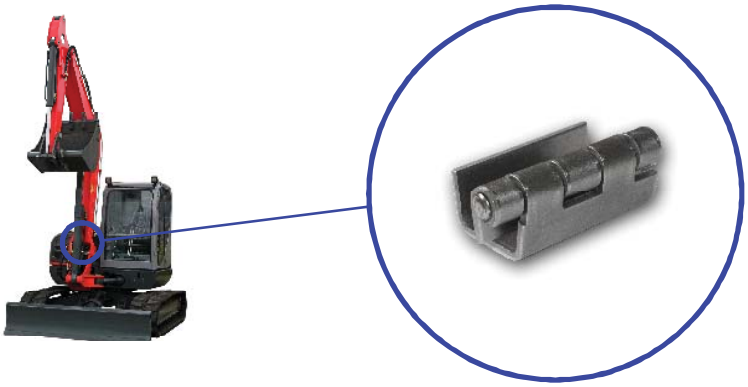
Manufacture according to customer drawings



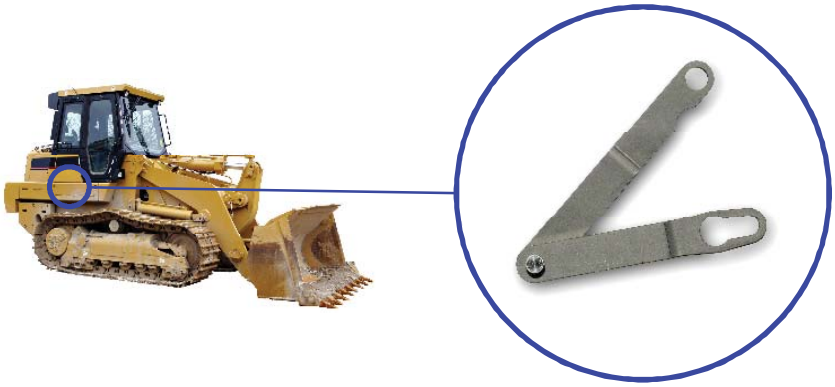
Application
Excavator

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.

PINET®
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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

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