

# Zinc phosphating

## Use

Zinc phosphating is applied when demands on corrosion protection are high.

## Advantages

- Extra protection against corrosion
- Good adhesion.



*Clamb being phoshated*



*Coated clamb*

## Technical information

Phosphating is a treatment of steel, galvanized steel or aluminium with a diluted solution of phosphoric acid, if necessary mixed with additives. Most frequently steel is exposed to the zinc phosphating process. The treatment of the items with phosphate produces fine phosphate crystals on the surface. The actual layer of the crystalline phosphate is created due to the chemical reaction taking place when phosphate and steel are combined. The fine layer of phosphate crystals boosts the protective capacities of the metallic surface and enhances adhesion. Zinc phosphate processes are carried out prior to the following protective coating treatment. The phosphating process is applied via immersion.

## Capability at Accoat

Maximum size on items for zinc phosphating:

<b>Length</b>	<b>1200 mm</b>
<b>Width</b>	<b>800 mm</b>
<b>Height</b>	<b>800 mm</b>
<b>Weight</b>	<b>2000 kilo</b>



*Zinc phosphating facility at Accoat*



*Zinc phosphating facility at Accoat*