

## Stainless steel

### Properties

Stainless steel is a strong and relatively hard material that can be given different surface structures by grinding or glassblowing.

Our products are made of either stainless steel AISI 304 or acid-proof stainless steel AISI 316. Common to the two types is that they consist of iron alloys with mainly chromium and nickel, which gives them an invisible film of oxides on the surface. The oxide barrier protects the material against corrosion and makes stainless steel a very durable material which, under ideal conditions and with maintenance, can achieve a lifespan of at least 30 years.

Salt, sea air, industrial air and exhaust gases can lead to brown spots on stainless steel. In addition, iron particles that land on the surface will set in motion a rusting process despite the alloy. For example, angle grinding in the vicinity or a touch with a Stanley knife could quickly lead to visible rust on the product. Therefore, regular cleaning is necessary.

### Operation and maintenance

#### *Operations*

- As much as possible, avoid the steel coming into contact with iron
- If possible, clean the product immediately if it has been in contact with iron

#### *Cleaning*

- Wash with water, a soft brush (not used for other iron products) and a mild detergent (acidic or alkaline depending on the dirt)
- Any rust stains can be removed with a sponge, which is intended for stainless steel, e.g. Scotch-Brite
- Apply a thin layer of steel oil with a cloth
- Cleaning should be done every 3-12 months depending on the environment and surroundings