

Data sheet UE
How to handle stainless steel

Correct handling of stainless steel products

Huber stainless steel products are carefully manufactured under precisely the right conditions for the material. The final pickling bath treatment and subsequent passivation ensures that each product receives the best possible protection against corrosion. It is however essential that this protection is not damaged by improper storage or handling in transit or on site.

Do not's

Stainless steel must not come into contact with other metal. Do not ...

- store with other metals (storage platforms, scaffolding, tools)
- fix stainless steel with fixings of dissimilar materials (galvanised nuts, brackets)
- attach stainless steel products with other metals directly (pipelines)

Stainless steel must not be treated improperly. Do not ...

- clean stainless steel with carbon steel brushes
 - expose stainless steel to high concentrations of chlorine
 - allow stainless steel to be 'sprayed' when grinding (always cover up)!
 - use grinding discs containing iron
 - carry out thermal or mechanical treatment without subsequent pickling and passivation
- Do's

Avoid 'cold welding', caused by fixing stainless steel of the same grade. Do ...

- use screws made of 1.4301 (304) and nuts made of 1.4571
- use suitable lubricants (i.e. approved for drinking water)

Separate stainless steel from other materials electrically. Do ...

- use synthetic gaskets, washers and sleeves
 - Connections on site should be preferably bolted. If on site welding cannot be avoided, it should be carried out correctly. Do ...
 - use the correct welding supplements
 - use only TIG welding with filler rod for one sided butt welding
 - use MIG or electric arc welding only for two sided butt welding
 - always pickle the surface with a suitable compound after welding
 - allow passivation by rinsing the surface with water after pickling
 - When setting in concrete. Do ...
 - use stainless steel wall dusts
 - allow for different rates of thermal expansion
 - Careful treatment of the surface. Do ...
 - use only suitable cleaning materials and always flush afterwards
 - use a protective covering when burying stainless steel in ground containing iron
 - Properly treated stainless steel does not require any further corrosion protection. However, if the surface must be painted for aesthetic reasons, do ...
 - use a suitable primer
- Only with your cooperation, to ensure correct storage and installation, can we guarantee you the best from our stainless steel products. In doing so, you will also promise the operator maintenance and trouble free operation for years.

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