

# Zinc-Nickel

## SLOTOLLOY ZN 310

Zinc-Nickel SLOTOLLOY ZN 310 is a **weakly acidic, ammonium-free** electrolyte for the deposition of semi-bright or bright zinc-nickel coatings with a nickel content of 12 - 15 %. The achievable corrosion protection is equal to the one from alkaline zinc-nickel processes.

Zinc-Nickel SLOTOLLOY ZN 310 is suitable for both rack (particularly die-cast !) and barrel application.

The metal content of the electrolyte is sustained by the application of separate zinc- and nickel anodes in the correct ratio. The electric circuit is separated on the anode side, that means separate rectifiers are used for the particular anode type.

The electrolyte is characterized by a constant alloy composition over a wide current density range.

By a corresponding passivation (Cr(III)) and chromating (Cr(VI)) from our SLOTOPAS series, yellow, transparent and black conversion layers with high corrosion protection can be produced. For a possible subsequent sealing, products of our SLOTOFIN series are available.

The information in this data sheet is based on laboratory as well as practical experience. Figures quoted for operating limits and replenishment quantities are for guidance. Actual values necessary will depend on the components being plated (material and geometry), their application and plating plant conditions.

### Important:

Please read this instruction carefully prior to the use of the process and carefully follow all the parameters that have a direct influence on the operation. We reserve the right to make technical changes. In the interest of safety, please pay attention to the hazard warnings on the labels of the containers. The minimum shelf life of the products is included on the labels and is also available in the appropriate Quality Assurance (QA03).

The current IMDS number of the layer deposited from the process is available on the internet at [www.schloetter.com/downloads](http://www.schloetter.com/downloads).

For the storage of chemical products the TRGS 510 must be followed.

