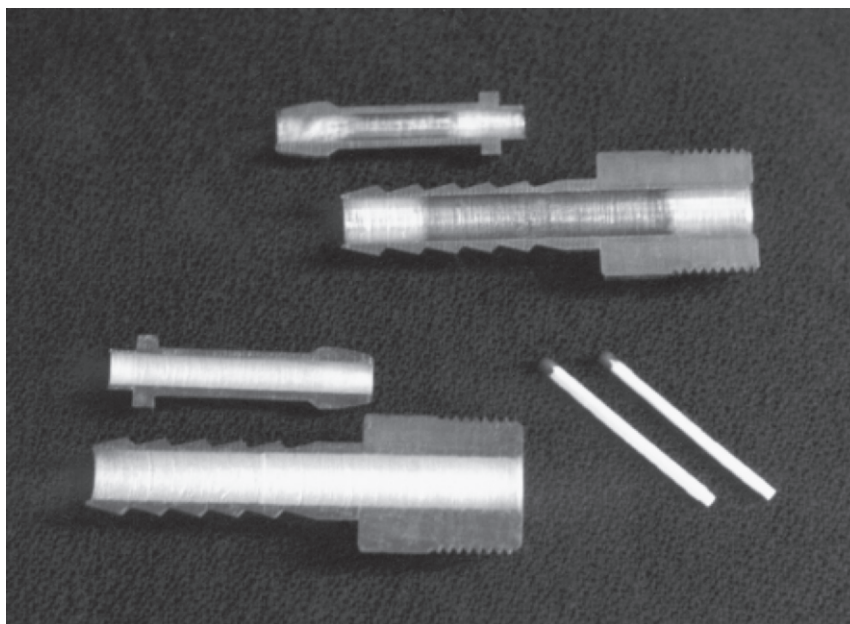


A clean process, developed as the alternative to galvanic coatings

Pore-free precision coating is applied as a thin (3–10 µm) layer on intricately configured steel parts with narrow blind holes
Effectively protects against atmospheric and sea-water corrosion. Withstands the salt mist for more than 2000 hours



Samples with corrosion-protective coatings:
galvanic cadmium one (up) and diffusion zinc one (down)

The process of diffusion zinking can be arranged at any production facility, the only mandatory components being: a furnace ($T = 350\text{--}370^\circ\text{C}$), inert gas and zinc powder.

Advantages:

- absence of toxic components
- saturated mixture, with an easily performed correction, is practically unlimited as to its service life
- simplicity and durability
- economy
- hydrogen embrittlement of steel is absent

Collaboration options: production on a trial or small-series scale; commissioning of the technology into production

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