

# HARD ANODISING

## RELIABLE PROTECTION AGAINST CORROSION AND ABRASION

Hard anodising produces particularly durable protective coatings that are much harder and denser than conventional anodized coatings.

Hard anodising ensures high corrosion resistance, good electrical insulation and withstands increased wear stress with layer thicknesses of 25 to 100 µm. Hard anodising has good sliding properties that can be further improved by PTFE impregnation.



## ADVANTAGES

- Surface hardness up to 550 HV
- Very good abrasion resistance
- Heat resistance up to 200 °C
- Good electrical insulation
- High corrosion resistance
- Coating thicknesses from 25 µm to 100 µm
- Good sliding properties
- Dark grey inherent colouring
- Continuous black colouring possible

## APPLICATIONS

Hard anodising is used for parts that have to withstand particularly high stresses:

- Mechanical engineering
- Aerospace
- Medical technology
- Food technology
- Electrical engineering

Maximum component sizes:

- 7500 x 1200 x 2200 mm (Permalux)
- 3100 x 400 x 1100 mm (GSX hard anodised)