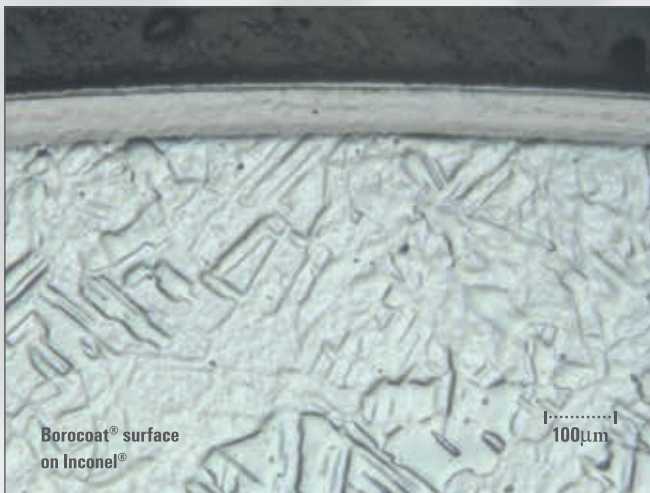


# Borocoat<sup>®</sup>- Diffusion surface treatment for nickel-based alloys

## PROPERTIES

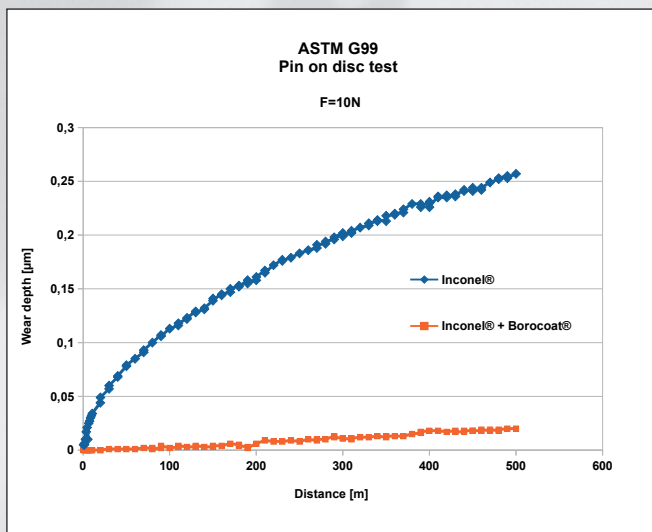
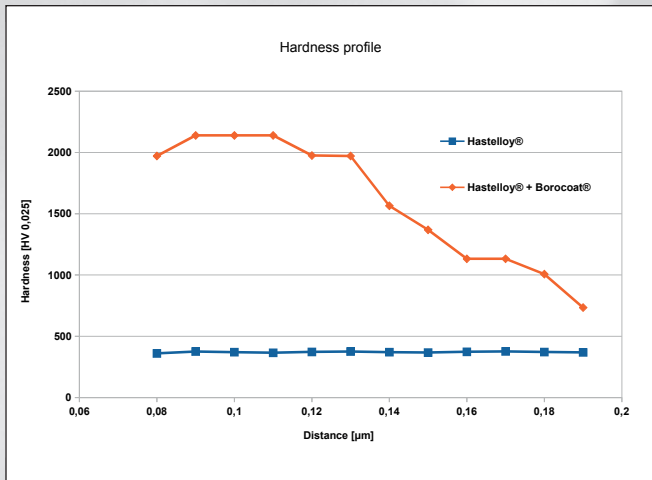
- High surface hardness > 2000HV0,025
- Coating thickness 10-60µm
- Extreme wear resistance in highly abrasive applications
- Extreme consistency when experiencing adhesive wear
- High thermal resistance up to 1000°C
- Distinct self-lubricating effect with high temperatures
- Consistent to hot corrosion



## APPLICATIONS

- Turbocharger production
- Jet engine technology
- Turbine production
- Power plant technology
- Valve technology
- Oil & gas industry  
Onshore/Offshore/Subsea
- Chemical industry
- Polymer processing
- Aviation and space technology

# Borocoat® - Diffusion surface treatment for nickel-based alloys



## YOUR BENEFIT

Reliable operation of security-relevant components, improvement in efficiency, higher cost effectiveness and extended value-added processes are achieved when using nickel-based alloys in connection with Borocoat®-Diffusion surface treatments. No other case-hardening diffusion process enables suchlike improvement of the mechanical properties as to the hardness and wear protection in connection with an excellent high temperature resistance. Corrosion-resistant Borocoat®-Diffusion surface treatments for nickel-based alloys. We can show you how to decisively extend the durability of your components.

## MATERIALS

Nickel-based alloys such as Inconel®, Hastelloy®, Haynes®, Nimonic® etc.\*

## DID YOU KNOW...?

Borocoat®-Diffusion treatment is also applicable to unalloyed, low-alloyed and high-alloyed steels; also to tool-steels for cold and warm work, powder-metallurgical steels, stainless steels and Stellite®.\*

\* Borocoat® is a trademark registered by BorTec GmbH & Co. KG & Co. KG. Hastelloy®, Inconel®, Stellite®, Haynes® are trademarks registered by different companies.