

# Nitrowear<sup>®</sup>

## Rock Hard Protection Against Wear and Corrosion

- High Wear Resistance – 70+ Rockwell “C” Surface
- Reduce Scrap Dramatically
- Minimal Distortion
- Dimensional Control
- Increased Tensile, Yield and Fatigue Strength
- Corrosion Resistant
- Attractive Black Finish
- Patent (#4,461,656)

High quality manufacturing of automotive, aircraft, and machine components depends on controlled tolerances and geometry. Because of the low temperature used, NITROWEAR<sup>®</sup> Ferritic Nitrocarburizing reduces distortion and scrap while maintaining dimensional control, making it the heat treating process of choice for many component manufacturers. Nitrowear is used in place of, or in conjunction with carbonitriding, carburizing, induction hardening,

conventional hardening, flame hardening, tuffriding, melonizing and/or chrome plating. NITROWEAR<sup>®</sup> eliminates post treatments such as painting, galvanizing or black oxidizing. More corrosion resistant than electroless nickel, Nitrowear can withstand 60–1000 hours of salt spray.

The NITROWEAR<sup>®</sup> Ferritic Nitrocarburizing process meets or exceeds: G.M. spec #TPH-AA001, Chrysler spec #PS-4TN, Ford spec for Nitriding and Ferritic Nitrocarburizing, AMS 2757, Rockwell spec #352-B and 352-C, Borg Warner spec for Ferritic Nitrocarburizing and Stream Blueing, Bendix spec #BW-265-p, Caterpillar spec #1E0548.

With those specifications, just think of what Nitrowear can do for your components' life and extended warranty period. Quality Assurance through Statistical Process Control.



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Shown Below – Automotive and Aircraft Gears, Clutch Fork, U-joint, Ball Joint, Valve Guide, Nitrogen Die Cylinder and Cutting Tool Holder.

