

Your Source for Quality Assurance

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Heat Treating

- Case hardening of screws. 1022 or 10b21 steel. Core hardness 28-38 HRC, Case hardness 45 HRC minimum. Diameters #2 through 1/2".
- Neutral hardening of machine screws, bolts and other threaded fasteners. Diameters #4 through 1/2". 1022, 10b21, 10b35, 1038, 1050, 4037 steel. Limited hardness ranges for 4140 steel.

Zinc Electroplating *(Barrel Plating Process)*

- Commercial, 0.00015", 0.0002", 0.0003", and 0.0005" thickness
- Baking for hydrogen embrittlement relief
- Regular clear, high corrosion resistant clear, Yellow and Black RoHS compliant passivates
- Yellow, Olive Drab and Black Hexavalent chromates
- Green, Blue and Red dye
- TNT-08, TNT-12, TNT-15 and TNT-18 Integral Torque Control Lubricant
- Wax and Wax with UV tracer
- JS-500 finish *(500 hours to red when salt spray tested)*
- Threaded fasteners as small as #00 can be plated
- Two RoHS compliant plating lines
- Hexavalent processes run on a separate plating line
- Accredited to measure plating thickness, salt spray corrosion resistance and torque tension evaluation.

Zinc-Nickel Electroplating *(Barrel Plating Process)*

- 0.0002", 0.0003", and 0.0005" thickness
- Baking for hydrogen embrittlement relief
- High corrosion resistant clear and Black RoHS compliant passivates
- TNT-08, TNT-12, TNT-15 and TNT-18 Integral Torque Control Lubricant
- Threaded fasteners as small as #4 can be plated
- Accredited to measure plating thickness, salt spray corrosion resistance and torque tension evaluation.