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## 204668 Wingnut Technical Data Sheet

**X-7216-0**



**Thermoplastic Over - Mold Wingnut with Metal Insert design for manways, handholes and other holdowns used in a clean manufacturing environment:**



- **Designed for Cleanability:**
  - No exposed threads
  - Smooth, curved and completely drainable surfaces with radius transitions
- **Thermoplastic Over-Mold Handle features:**
  - FDA approved grey material, certificate of conformance available
  - Wide operating temperature range of -60°F to +400°F to meet operating conditions of cryogenics, steaming, and autoclaves
  - Durable: Chip and splinter resistant, impact tested by third-party
  - Light weight (approximately 9 ounces) with smooth profile for best ergonomics and safety
  - Virtually eliminates possible damage to components during any incidental contact
  - Resistant to most acids and caustics
  - Molded-in DCI part number for easy part identification
- **Metal Insert features:**
  - UNS# S21800, Nitronic-60®, Austenitic Stainless Steel
  - SA-193 B8S Class 1C and/or SA-194 8S ASME specifications to meet ASME Section VIII, Division 1 requirements; mill certification available
  - Each insert is individually heat number marked in a viewable location for full traceability
  - For use on stainless steel and nickel alloy threads, superior anti-galling and anti-wear resistance to other stainless steels and even compared to Cu-Ni Alloys such as N04400
  - Superior strength compared to 304 and 316 stainless steels, and most nickel alloys
  - Superior stress chloride, pitting and crevice corrosion resistance compared to 316L SS
- Thermoplastic Design Torque rating of 50 ft-lbs. for torque application temperature range of -60°F to +200°F; multiple proof tests performed at -60°F, +70°F, +150°F and +200°F temperatures by third-party
- Insert meets ASME Section VIII, Division 1 Requirements for “Nuts of Special Design”, designed for 7/8” clearance hole maximum, design compressive/tensile load rating of 6,500 lbs. maximum; third-party proof tested to 49,000 lbs. minimum.
- Wingnut can be incorporated into PED 97/23/EC pressure containing designs without modification or further testing for CE marking; documentation and mill certification meeting EN10204 and PED requirements can be provided upon request



- Standard, in-stock design with 3/4”-10 UNC 2B threads; other thread sizes and designations available upon request
- Other insert and over-mold materials are available upon request
- Standard wingnut provided on the DCI PV-1000 Manway assembly