

# Helicopter Rotor Machining

## DATASHEET

High Quality Parts is a precision machine shop that specializes in machining helicopter rotor hubs. The main rotor or rotor system is a mission-critical assembly that generates the aerodynamic lift and thrust force to power a helicopter, which consists of a mast, hub, and rotor blades. While the tail rotor provides maneuvering function and stability. High Quality Parts has the expertise to machine helicopter rotor hubs and assemblies constructed from standard and exotic metals with complex geometry to meet or exceed the most demanding tolerances. We are a trusted Tier 1 supplier of high-quality prototypes and high volume precision metal components to leading OEMs across many industry sectors.

### Helicopter Rotor Hub Types:

- Main
- Tail

**Industry Applications:** Aerospace, Defense, and Military

**Material Types:** castings, forgings, fabricated weldments, billets, bar stock, and plate

**Metal Construction:** aluminum, armor plate, beryllium, brass, bronze, chromium, copper, gammalloy, Hastelloy, Incoloy, Inconel, Invar, manganese, molybdenum, Monel, nickel, Nitralloy, platinum, powdered metals, stainless steel, Stellite, titanium, Waspaloy, zinc, and many other superalloys

**Services:** Multi-Axis Machining, 5-Axis Machining, CNC Milling | Vertical and Horizontal, CNC Turning | Vertical and Horizontal, CNC Engineering, CNC Inspection, and Special Processes Integration - Nadcap Accredited

**Certifications:** AS 9100D | ISO 9001:2015 and an ITAR Registered Manufacturer



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