

AMS / NADCAP specifications

Codes, process and material specifications:

AMS 2750E	Covers pyrometric requirements for thermal processing equipment used for heat treatment. It covers temperature sensors, instrumentation, thermal processing equipment, system accuracy tests and temperature uniformity surveys.
BAC 5621	Establishes equipment classifications and instrumentation types for processes requiring controlled temperatures. (similar to AMS 2750E) Boeing process specification title: "temperature control for processing materials"
RPS953	Rolls Royce specifications for "laboratory control procedure for heating furnaces and Associated equipment and the thermal processing of materials". Equipment shall meet AMS 2750E Class 2 for temperatures <1380degF
NADCAP AS7102	This aerospace standard (AS) establishes the requirements for heat treating accreditation by the National Aerospace and Defense Contractors Accreditation Program (NADCAP)

Specifications for materials:

AMS 4439G	This specification covers magnesium alloy in the form of castings
AMS 2759E	Establishes general requirements for heat treating of steel parts
MS 2759/11	Establishes general requirements for thermal stress relief treatments of steel parts. <ul style="list-style-type: none">• Carbon and low alloy steels• Tool steels• Precipitation hardening, corrosion-resistant and maraging steel• Austenitic corrosion-resistant steels• Martensitic corrosion-resistant steels
AMS 2770J	Heat treatment of wrought aluminum alloys parts
AMS 2771E	Heat treatment of aluminum alloy castings
AMS 2772F	Heat treatment of aluminum alloys raw materials

Read the following article to learn more about [AMS2750E specifications](#).