

Special Process Approvals

Process Code	Description	Limitations/Comments
N/A	Plating, Nickel General Purpose	Limitations: No ferrous alloys at 40 HRC or above and supplier is limited to only these part numbers. • 41367 • 40195 • 35110 • A07320031 • 40381 • 41033 • 41273 • 41492
N/A	Brazing, Aluminum and Aluminum Alloys Molten Flux (Dip)	
N/A	Brazing, Nickel Alloy Filler Metal	
N/A	Heat Treatment Precipitation-Hardening Corrosion-Resistant and Managing Steel Parts	
N/A	Heat Treatment of Steel Raw Materials	Customer P.O. shall state testing required, Customer shall supply test specimens, Vacuum furnace, Gas fan cool, Class D
N/A	Heat Treatment of Steel Raw Materials	
N/A	Heat Treatment of Steel Raw Materials	
N/A	Heat Treatment of Steel Raw Materials	Customer P.O. shall state testing required, Customer shall supply test specimens, Vacuum furnace, Gas fan cool, Class D
N/A	Heat Treatment of Steel Raw Materials	
N/A	BRAZING, HIGH TEMPERATURE (ABOVE 1500F)	
N/A	PLASMA SPRAYING OF METAL BASE COATS	Shock test only.
N/A	PLASMA SPRAYING OF CERAMIC OXIDES	Shock test only.
N/A	PLASMA SPRAYING OF CERAMIC-METAL COMPOSITES	Shock test only.
N/A	CLEANING & PASSIVATING OF CORROSION & HEAT RESISTANT ALY NICKEL & NICKEL BASE ALY; & COBALT BASE ALY	Limited to cleaning prior to plating only. Simple geometries without recessed surfaces only 1.1 347 CRES 1.2 A-286 1.3 Alloy 188 1.4 Nickel Based Alloy 718 1.5 Nickel Based Alloy 625 1.6 JBK-75
N/A	HEAT TREATMENT OF IRON AND NICKEL BASE AGE HARDENABLE ALLOYS	
N/A	IRON AND NICKEL BASE AGE HARDENABLE ALLOYS, HEAT TREATMENT OF	Customer P.O. shall state testing required, Customer shall supply test specimens, Solvent clean only, Vacuum furnace, Gas fan cool, Solution treat and age, Stress relief
N/A	DUCTILE NICKEL PLATING (ELECTRODEPOSITED) FOR BRAZING APPLICATIONS	347, A-286 CRES, Inconel 625, 718, Haynes 188.
N/A	DUCTILE NICKEL PLATING (ELECTRODEPOSITED), FOR BRAZING APPLICATIONS, ON A-286 THIN WALL THRUST CHAMB	Cannot perform stylus type plating.
N/A	PROCESS FOR APPLYING SILICIDE COATING TO NIOBIUM ALLOYS	R512E Coating
N/A	BRAZING SSME PREBURNER INJECTION ELEMENTS, REQUIREMENTS FOR	
N/A	BRAZING RS-25 PREBURNER INJECTION ELEMENTS, REQUIREMENTS FOR	
N/A	Soldering, Silver, Gold, Nickel and Titanium Brazing	Approval limited to Method V braze operation only
425B	Brazing	TYPE II - Excluding Aluminum Alloys
426A	Brazing	
N/A	Heat Treatment of Titanium Alloy Parts	Vacuum Heat Treating only
N/A	Heat Treatment of Titanium and Titanium Alloys	Vacuum Heat Treating only
N/A	Heat Treatment of Titanium Parts	Vacuum Heat Treating only
N/A	Heat Treatment of Nickel & Cobalt Base Alloy	
N/A	Fabricating and Forming Titanium Parts	Limited to Stress Relieve Only.
N/A	Heat Treatment of Wrought Copper Beryllium Alloy Parts	Precipitation Hardening and Stress Relief Only
N/A	Heat Treatment of Titanium Alloy Parts	No water or polymer quench
N/A	Heat Treatment of Wrought Copper-Beryllium Alloys	
N/A	Heat Treatment of Titanium and Titanium Alloys	Precipitation Hardening Only
N/A	Brazing: Torch, Furnace, Induction, Resistance and Dip Methods	Limited to PR3-51-2-X Furnace Brazing Only
N/A	Heat Treatment of Titanium Alloy Parts	
N/A	Heat Treatment of Titanium and Titanium Alloys	
BA	HeatTreat, Vacuum	
BH	Heat Treat, Titanium	No surface contamination removal
N/A	HARDNESS TEST OF METALS	
N/A	HEAT TREAT-TITANIUM & TI ALLOYS	
N/A	HEAT TREATING - STEEL	
N/A	AQUEOUS DEGREASING	
B058	BRAZING	
B059	BRAZING	
H003	HEAT TREAT	
H004	HEAT TREAT	
H005	HEAT TREAT	
H012	HEAT TREAT	LIMITED TO HEAT TREATMENT IN CONJUNCTION WITH BRAZING ONLY.
H017	HEAT TREAT	LIMITED TO HEAT TREATMENT IN CONJUNCTION WITH BRAZING ONLY.
H024	HEAT TREAT	
H033	HEAT TREAT	
H038	HEAT TREAT	
H061	HEAT TREAT	
H080	HEAT TREAT	LIMITED FOR SUPPORT OF INTERNAL MANUFACTURING.
H087	HEAT TREAT	
H106	HEAT TREAT	
T145	TESTING	LIMITED FOR SUPPORT OF INTERNAL MANUFACTURING.
N/A	Brazing, Silver for Use up to 400 °F (204 °C)	
N/A	Brazing, Aluminum and Aluminum Alloys Molten Flux (Dip)	
N/A	Specification for Aluminum Brazing - 4th Edition	
N/A	Aluminum Brazing	
N/A	Dip Brazing of Aluminum Alloy Assemblies (Grimes)	
N/A	SALT BATH BRAZING OF ALUMINIUM ALLOYS	
N/A	Brazing, Aluminum Dip, Process for	
N/A	BRAZING OF ALUMINUM - TORCH, SALT BATH, AND FLUXLESS	
N/A	GENERAL HEAT TREAT	
N/A	Heat Treatment of Wrought Aluminum Alloy Parts	Limited to Age only for PN 63508199-1,63508200-1, 63508370-1.

N/A	HEAT TREATMENT, WELDED 6061/356.0 AND 6061/A356.0 ALUMINUM ALLOY PARTS	
N/A	HEAT TREATMENT, 6061 ALUMINUM ALLOY, WELDED TO 356 ALUMINUM CASTINGS	
N/A	LIQUID NITROGEN QUENCHING OF HEAT TREATABLE ALUMINUM ALLOYS FOR DISTORTION CONTROL	
N/A	HEAT TREATMENT OF ALUMINUM	
N/A	Manufacturing Specification for the Heat Treatment of Wrought Aluminum Alloys	
N/A	Manufacturing Specification for Stabilization of Aluminum Alloys	
N/A	HEAT TREATMENT OF ALUMINIUM ALLOYS	
N/A	STRESS RELIEVING HEAT TREATMENTS	
N/A	GENERAL HEAT TREAT	
N/A	REQUIREMENTS FOR THE HEAT TREATMENT OF ALUMINUM ALLOYS	
N/A	MACHINING AND STRESS RELIEF OF 6061-T652 OR 6061-T651 ALUMINUM	
N/A	GENERAL HEAT TREAT	
N/A	Heat Treatment Austenitic Corrosion-Resistant Steel Parts	
N/A	Heat Treatment of Parts in a Vacuum	
N/A	STABILIZATION HEAT TREATMENT, SPRINGS	
N/A	HEAT TREATMENT, AUSTENITIC CORROSION-RESISTANT STEEL PARTS	
N/A	HEAT TREAT, SPRINGS (F-18)	
N/A	HEAT TREATMENT OF HEAT AND CORROSION RESISTANT ALLOYS	
N/A	HEAT TREATMENT OF AUSTENITIC STEELS	
N/A	MANUFACTURE AND TESTING OF CASTINGS	
N/A	HEAT TREATMENT AND STRESS RELIEVING OF SPRINGS AFTER COLD FORMING	
N/A	HEAT TREATMENT OF STEELS	
N/A	STRESS RELIEVING HEAT TREATMENTS	
N/A	GENERAL HEAT TREAT	
N/A	Bright Heat Treatment of Martensitic and Austenitic Corrosion Resistant Steel Parts	
N/A	Plating, Nickel General Purpose	
N/A	Plating, Copper	
N/A	Plating, Nickel Low-Stressed Deposit	
N/A	SELECTIVE, BRUSH PLATING, ELECTRO-DESPOSITION	
N/A	Q-FLEX BELLYBAND HEAT TREATMENT SPEC	
N/A	MAGNETIC ANNEALING OF NICKEL-IRON ALLOYS FOR OPTIMUM MAGNETIC	
N/A	Process Specification for Hydrogen Annealing Of Magnetic Materials	
N/A	ANNEALING OF HIGH PERMEABILITY IRON-NICKEL ALLOYS	
N/A	STRESS RELIEF ANNEALING OF FULLY PROCESSED STEEL LAMINATIONS	
N/A	Manufacturing Specification for Annealing of High Permeability Nickel-Iron Alloys	
N/A	MANUFACTURING SPECIFICATION FOR ANNEALING, ELECTRICAL IRON AND COLD DRAWN STEEL	
N/A	Manufacturing Specification for Annealing Electrical Iron and Cold Drawn Steel	
N/A	Manufacturing Specification for Annealing High Permeability Nickel-Iron Alloys	
N/A	ANNEALING OF IRON AND NICKEL-IRON SOFT MAGNETIC ALLOYS FOR OPTIMUM MAGNETIC PROPERTIES	
N/A	ANNEALING OF RADIOMETAL 50 AND MUMETAL FOR OPTIMUM MAGNETIC PROPERTIES	
N/A	VACUUM HEAT TREATING OF MAGNETIC ALLOYS	
N/A	HYDROGEN ANNEALING OF MAGNETIC MATERIALS	
N/A	INSTRUCTIONS FOR THE ANNEALING OF ARMCO INGOT IRON	
N/A	HEAT TREATMENT OF 50% COBALT - 50% IRON SOFT MAGNETIC ALLOY	
N/A	HEAT TREATMENT OF COBALT-IRON PERMANENT MAGNET ALLOY (FOR MPLS USE ONLY)	
N/A	STRESS RELIEF ANNEALING OF NON-ORIENTED FULLY PROCESSED ELECTRICAL STEEL PARTS	
N/A	GENERAL HEAT TREAT	
N/A	Heat Treatment Martensitic Corrosion-Resistant Steel Parts	
N/A	Heat Treatment of Parts in a Vacuum	
N/A	Bright Heat Treatment of Corrosion Resistant Steels	
N/A	Steel Castings, Precision Investment, Corrosion Resistant 12.5 Cr (SAE 60410)	
N/A	Bright Annealing of 430 & 430F Solenoid Quality Stainless Steel	
N/A	HEAT TREATMENT, MARTENSITIC CORROSION-RESISTANT STEEL PARTS	
N/A	HEAT TREAT, AISI 431 CASTINGS	
N/A	HEAT TREATMENT, MARTENSITIC STAINLESS STEELS (GRIMES)	
N/A	HEAT TREATMENT OF CRES TYPE 431 INVESTMENT CASTINGS	
N/A	HEAT TREATMENT OF HEAT AND CORROSION RESISTANT ALLOYS	
N/A	TYPES 440C, 440C MOD, AND 440F STEELS, HEAT TREATMENT OF	
N/A	BRIGHT HARDENING TYPES 440C AND 440F FOR DIMENSIONAL STABILITY	
N/A	PROCESS SPECIFICATION HEAT TREATMENT HEAT TREATMENT OF HEAT AND CORROSION RESISTANT ALLOYS	
N/A	Manufacturing Specification for Heat Treatment of Wrought Steels	
N/A	MANUFACTURE AND TESTING OF CASTINGS	
N/A	HEAT TREATMENT AND STRESS RELIEVING OF SPRINGS AFTER COLD FORMING	
N/A	HEAT TREATMENT OF AISI 440C STAINLESS STEEL	
N/A	HEAT TREATMENT OF STEELS	
N/A	STRESS RELIEVING HEAT TREATMENTS	
N/A	GENERAL HEAT TREAT	
N/A	STEEL, CORROSION RESISTANT, MARTENSITIC, HEAT TREATMENT OF	
N/A	Bright Heat Treatment of Martensitic and Austenitic Corrosion Resistant Steel Parts	
N/A	GENERAL HEAT TREAT	
N/A	Heat Treatment of Parts in a Vacuum	
N/A	Heat Treatment Cast Nickel Alloy and Cobalt Alloy Parts	
N/A	Heat Treatment Nickel Alloy and Cobalt Alloy Parts	
N/A	STABILIZATION HEAT TREATMENT, SPRINGS	
N/A	HEAT TREAT, HIGH TEMPERATURE ALLOYS	

N/A	HEAT TREATMENT, SPRINGS, INCONEL ALLOY X750 AND INCONEL ALLOY 718	
N/A	HEAT TREATMENT, INCONEL ALLOY 718	
N/A	HEAT TREAT, SPRINGS (F-18)	
N/A	HEAT TREATMENT, INCONEL ALLOY 718 (F-18)	
N/A	HEAT TREAT, HIGH TEMPERATURE ALLOYS (F-18)	
N/A	Secured Technology Document	
N/A	HEAT TREATMENT OF HEAT AND CORROSION RESISTANT ALLOYS	
N/A	ALLOY 718, HEAT TREATMENT OF	
N/A	Heat Treatment of High-Temperature, Directionally Solidified, and Single Crystal Alloy Castings	
N/A	HEAT TREATMENT, HIGH-TEMPERATURE ALLOYS, FORGINGS, CASTINGS, BAR, SHEET, AND PLATE	
N/A	PROCESS SPECIFICATION HEAT TREATMENT HEAT TREATMENT OF HEAT AND CORROSION RESISTANT ALLOYS	
N/A	HEAT TREATMENT OF INCONEL 718	
N/A	HEAT TREATMENT OF INCONEL 706	
N/A	MANUFACTURE AND TESTING OF CASTINGS	
N/A	HEAT TREATMENT AND STRESS RELIEVING OF SPRINGS AFTER COLD FORMING	
N/A	STRESS RELIEVING HEAT TREATMENTS	
N/A	GENERAL HEAT TREAT	
N/A	HEAT TREATMENT OF PRECIPITATION HARDENING NICKEL ALLOYS	
N/A	GENERAL HEAT TREAT	
N/A	Heat Treatment Precipitation-Hardening Corrosion-Resistant, Maraging, and Secondary Hardening Steel Parts	
N/A	Heat Treatment of Parts in a Vacuum	
N/A	Springs, Steel Wire, Corrosion Resistant, 17 CF, 7.1 Ni, 1.1 A1, Precipitation Hardened	
N/A	Heat Treatment and Copper Brazing of 17-4 PH Precipitation Hardening Corrosion Resistant Steel	
N/A	STABILIZATION HEAT TREATMENT, SPRINGS	
N/A	HEAT TREATMENT, PRECIPITATION-HARDENING CORROSION-RESISTANT STEELS	
N/A	HEAT TREAT, SPRINGS (F-18)	
N/A	HEAT TREAT, STAINLESS STEELS (F-18)	
N/A	Secured Technology Document	
N/A	Secured Technology Document	
N/A	HEAT TREATMENT OF HEAT AND CORROSION RESISTANT ALLOYS	
N/A	STEELS, PRECIPITATION-HARDENING, HEAT TREATMENT OF	
N/A	PROCESS SPECIFICATION HEAT TREATMENT HEAT TREATMENT OF HEAT AND CORROSION RESISTANT ALLOYS	
N/A	Manufacturing Specification for Heat Treatment of Wrought Steels	
N/A	MANUFACTURE AND TESTING OF CASTINGS	
N/A	HEAT TREATMENT AND STRESS RELIEVING OF SPRINGS AFTER COLD FORMING	
N/A	HEAT TREATMENT OF STEELS	
N/A	STRESS RELIEVING HEAT TREATMENTS	
N/A	HEAT TREATMENT OF NI SPAN C DIAPHRAGM ASSEMBLIES AND CAPSULE ASSEMBLIES	
N/A	GENERAL HEAT TREAT	
N/A	HEAT TREATMENT OF PRECIPITATION HARDENING STEELS	
N/A	Precipitation Hardening of 17-4PH Cres	
N/A	Precipitation Hardening of 15-5PH Cres	
N/A	GENERAL HEAT TREAT	
N/A	SPECIAL PROCESS REQUIREMENTS FOR PARTS HEAT TREATED TO 50 TO 53 HRC	
N/A	HEAT TREATMENT OF STEEL ROTOR SEGMENTS	
N/A	HEAT TREATMENT OF ADJUSTER BUSHINGS	
N/A	Heat Treatment of Carbon and Low-Alloy Steel Parts Minimum Tensile Strength Below 220 ksi (1517 MPa)	
N/A	Heat Treatment of Low-Alloy Steel Parts Minimum Tensile Strength 220 ksi (1517 MPa) and Higher	
N/A	Carburizing and Heat Treatment of Carburizing Grade Steel Parts	
N/A	Heat Treatment of Parts in a Vacuum	
N/A	CARBURIZING AND HEAT TREATMENT OF STEEL PARTS	
N/A	STABILIZATION HEAT TREATMENT, SPRINGS	
N/A	AUSTEMPERING OF AISI TYPE 6150 STEEL	
N/A	PROCESS FOR CARBURIZING AND HARDENING	
N/A	MARTEMPERING	
N/A	HEAT TREATMENT OF BEARING CARRIERS	
N/A	HEAT TREATMENT OF HP 9-4-30 STEEL	
N/A	Manufacturing Specification for Heat Treatment of Wrought Steels	
N/A	MANUFACTURE AND TESTING OF CASTINGS	
N/A	HEAT TREATMENT OF AMS 6431 (D6AC)	
N/A	HEAT TREATMENT AND STRESS RELIEVING OF SPRINGS AFTER COLD FORMING	
N/A	HEAT TREATMENT OF STEELS	
N/A	STRESS RELIEVING HEAT TREATMENTS	
N/A	STABILISATION HEAT TREATMENT OF NILO SERIES ALLOYS	
N/A	GENERAL HEAT TREAT	
N/A	Heat Treatment of 17-22 A (V) Low Alloy	
N/A	Heat Treatment of 17-22A(S) Low Alloy Steel	
N/A	Heat Treatment of Carbon and Low Alloy Steel Parts Minimum Tensile Strength Below 220 ksi (1517 MPa)	
N/A	Heat Treatment of 17-22 A (V) Low Alloy	
N/A	GENERAL HEAT TREAT	
N/A	Heat Treatment of Titanium and Titanium Alloys	
N/A	Heat Treatment of Parts in a Vacuum	
N/A	Heat Treatment of Titanium Alloy Parts	
N/A	Stress Relief, Alpha-Beta Titanium Alloys	
N/A	Engineering Bulletin for the Heat Treatment of Titanium and Titanium Alloy Parts	

N/A	HEAT TREATMENT AND STRESS RELIEVING OF SPRINGS AFTER COLD FORMING	
N/A	STRESS RELIEVING HEAT TREATMENTS	
N/A	GENERAL HEAT TREAT	
N/A	Brazing, Nickel, High Temperature, Vacuum, Process for	
N/A	BRAZING, SILVER For Use Up to 800 DEGREES F (427 DEGREES C)	
N/A	Brazing, Silver for Use up to 400 °F (204 °C)	
N/A	Brazing, Copper	
N/A	Brazing, Nickel Alloy Filler Metal	
N/A	Furnace Brazing of Parts in a Vacuum Atmosphere	
N/A	Specification for Furnace Brazing - 4th Edition	
N/A	Copper Brazing of Corrosion and Heat Resistant Steels and Alloys	
N/A	Heat Treatment and Copper Brazing of 17-4 PH Precipitation Hardening Corrosion Resistant Steel	
N/A	HIGH TEMPERATURE NICKEL BRAZING	
N/A	GOLD NICKEL PALLADIUM ALLOY BRAZING	
N/A	FEEDBACK SPRING BRAZING AND HEAT TREATING PROCEDURE	
N/A	FEEDBACK SPRING BRAZE INSPECTION AND HEAT TREATING PROCEDURE	
N/A	PROCESS SPECIFICATION FOR NICKEL ALLOY BRAZING	
N/A	GOLD NICKEL ALLOY BRAZING	
N/A	SILVER BRAZING OF CARBIDE AND STELLITE OR HOWMET	
N/A	BRAZING, CONTROLLED ATMOSPHERE	
N/A	BRAZING, WIDE GAP JOINTS	
N/A	BRAZING, NICKEL ALLOY (GRIMES)	
N/A	Brazing Specification for High Temperature/High Pressure Heat Exchangers and Other Components	
N/A	High Temperature Controlled Atmosphere Brazing	
N/A	VACUUM FURNACE BRAZING USING COPPER BASED FILLER MATERIALS	
N/A	VACUUM FURNACE BRAZING USING NICKEL BASED FILLER MATERIALS	
N/A	Brazing, High Temperature Vacuum, Process for	
N/A	Brazing, Silver, General Process for	
N/A	TFE731 Fuel Nozzle Bodies, Brazing Process, Qualification for	
N/A	BRAZING, GENERAL	
N/A	BRAZING, SPACE STATION FREEDOM	
N/A	HIGH-TEMPERATURE CONTROLLED-ATMOSPHERE BRAZING	
N/A	BRAZING GENERAL	
N/A	BRAZING, GEN (GR B), STEELS, CORR & HT RST NI-BASED CU & SUPERALLOYS	
N/A	PROCESS SPECIFICATION WELDING, BRAZING AND SOLDERING TITANIUM BRAZING	
N/A	TITANIUM BRAZING	
111	Heat Treat of Aluminum Alloys	
252B	Dip Brazing - Aluminum	
252G	Brazing of Steel Copper Nickel - Aluminum - Furnace- Dip	
252J	Aluminum Brazing - Furnace- Dip	
253A	Aluminum Brazing of Aluminum - Furnace- Dip	
SL-HK	Furnace Brazing	
HK-HK	Furnace Brazing	
N/A	Eaton Specifications - Vacuum Heat Treating	Nadcap Scope
N/A	Industry Specifications - Vacuum Heat Treating	Nadcap Scope
N/A	Eaton Specifications - Vacuum Brazing	Nadcap Scope
N/A	Industry Specifications - Vacuum Brazing	Nadcap Scope