



MATERIAL SPECIFICATION STAINLESS PIPE & TUBING

SCOPE: This specification covers Stainless Steel Pipe and Tubing purchased by ASA Alloys Inc.

- ASTM A213** - Standard specification for seamless ferritic and austenitic alloy-steel boiler, super heater and heat exchanger tubes.
- ASTM A249** - Standard specification for welded austenitic steel boiler, super heater, heat exchanger and condenser tubes.
- ASTM A269** - Standard specification for seamless and welded austenitic stainless steel tubing for general services.
- ASTM A270** - Standard specification for seamless and welded austenitic stainless steel sanitary tubing.
- ASTM A312/ASME SA312** - Standard specification for seamless and welded austenitic stainless steel pipes.
- ASTM A554** - Standard specification for welded stainless steel mechanical tubing.

MILITARY SPECIFICATIONS

- MIL-T-5695D** - 304 cold drawn seamless or welded corrosion resistant steel tubing, 1/4 and 1/2 hard.
- MIL-T-6737B** - Welded stainless steel tubing (347 and 321) stabilized, corrosion resistant, heat resistant.



MATERIAL SPECIFICATION STAINLESS SHEET & PLATE

SCOPE: This specification covers Stainless Steel Sheet and Plate purchased by ASA Alloys Inc. for the stainless grades in series 200, 300, and 400.

- ASTM A167** - Specification for stainless and heat resisting chromium nickel steel plate, sheet and strip. All stainless steel grades.
- ASTM A240** - Specification for stainless and heat resisting chromium nickel steel plate, sheet and strip for pressure vessels. All stainless steel grades.
- ASTM A262** - Practices for detecting susceptibility to intergranular attack in austenitic stainless steels. All stainless steel grades.
- ASTM A480/A480M** - Specification for general requirements for flat rolled stainless and heat resisting steel plate, sheet and strip. All stainless steel grades.
- MIL-S-4043** - Specification for steel: corrosion resisting for plate, sheet and strip (grain size for plate shall be aim 5 max). -304L
- MIL-S-5059** - Amendment 4 (except product analysis), military specification for steel, corrosion resistant (18-8) plate, sheet and strip. -301, 302, 304, 316.
- AMS-5507E** - Specification for steel sheet, strip and plate, corrosion and heat resistant. -316L
- AMS-5511E** - Specification for steel sheet, strip and plate, corrosion resistant. -304L
- AMS-5513D** - Specification for steel sheet, strip and plate corrosion resistant. -304
- AMS-5524H** - Specification for steel sheet, and plate corrosion resistant. -316
- ASME-SA240** - Specification for heat resisting chromium and chromium nickel steel plate, sheet and strip for pressure vessels. All stainless steel grades.
- ASTM-A666** - Specification for austenitic stainless steel strip, plate and flat bar for structural application. All austenitic stainless steel grades.
- QQS-766** - Specification for steel sheet, strip and plate corrosion resistant. All stainless steel grades.