MJ-2.1.1 Stainless Steels
(a) Austenitic Stainless Steels. Only the austenitic stainless steel grades listed in Table MM-2.1-1 or Table MM-2.1-3 may be used for welded components, except as permitted in MM-5.1.

All tubing, fittings, and weld ends made of austenitic stainless steel grades, except UNS S31703 and EN1.4438, that are to be autogenously welded (without filler metal or consumable inserts) shall have a chemical composition conforming to the requirements of MM-5.1.1.

However, a process component or tube of one of the above alloys with a sulfur content either below the lower limit or above the upper limit for sulfur in MM-5.1.1 may be used in a welded connection, provided that all of the following conditions are met:
(1) Use of the process component or tube is agreed to by the owner/user.
(2) The process component or tube meets the 0.030 wt. % maximum sulfur limit.
(3) All welds on the component or tube are internally inspected and meet the requirements of MJ-8.4.

MM-5.1.1 Austenitic Stainless Steel Weld Ends.
Weld ends that are to be autogenously welded shall have a sulfur content between 0.005 wt. % and 0.017 wt. %. This requirement applies to the common austenitic stainless steels listed in Table MM-2.1-1 with the exception of UNS S31703, UNS N08904, and their comparable alloys. For fittings and process components employing welds, this requirement does not apply to welds made in the construction of the fitting or component.