

Westgate

317L

(UNS S31703) W. Nr. 1.4438

Chemical composition	Cu	Mo	Si	p	Fe	S	Mn	Cr	Ni
% Present (Max)	1.0-2.0	4.00-5.00	1.00	0.045	Bal	0.035	2.00	19.0-23.0	23.0-28.0

Alloy 317L (UNS S31703) is a low carbon corrosion resistant austenitic chromium-nickel-molybdenum stainless steel. The high levels of these elements assure the alloy has superior chloride pitting and general corrosion resistance to the conventional 304/304L and 316/316L grades. The alloy provides improved resistance relative to 316L in strongly corrosive environments containing sulphurous media, chlorides, and other halides. The low carbon content of Alloy 317L enables it to be welded without intergranular corrosion resulting from chromium carbide precipitation enabling it to be used in the as-welded condition. With the addition of nitrogen as a strengthening agent, the alloy can be dual certified as Alloy 317 (UNS S31700). Alloy 317L is non-magnetic in the annealed condition. It cannot be hardened by heat treatment, however the material will harden due to cold working. Alloy 317L can be easily welded and processed by standard shop fabrication practices

Note: Values are in accordance with EN 10088 specifications. Actual mill certs available upon request.

