

Fabrication

Welding

Type J4 can be welded by all conventional methods applied to 18/8 type of austenitic stainless steel. Filler wire or electrodes of the conventional chromium-nickel 300 series stainless steel can be used. Type J4 is sensitive to Intergranular corrosion in weld heat affected zone.

Hot working

Can be readily rolled or forged. Because of the presence of nitrogen, more power for a given reduction is required than with AISI 304 Stainless steel but lesser compared to AISI 316.

Cold Working

Very tough and ductile and readily emanable to deep drawing, bending, stretch forming and spinning. After heavy cold working, it is only mildly magnetic like 304.