



## Stainless Steel Technical Data

Type	Obsolete EN No	Description	Description
<b>Austenitic:</b>		Non magnetic, chromium/nickel steels, good weldability. Good general corrosion resistance.	
301S21		17% chromium, 7% nickel. High work hardening rate. Formability.	Structural, springs, wheel covers, wear plates.
302	58A	18% chromium, 12% nickel. Good formability.	Similar to 304.
303	58AM	Free machining form of 302. Available in bar form only.	Similar to 304.
304	58E	18% chromium, 9% nickel. Good formability.	Sinks, architecture, automotive exhausts, cutlery, holloware and flatware, water tubing.
304L		Low carbon form of 304.	Brewery, dairy, food and pharmaceutical production plant.
304DDQ		Deep drawing quality 304.	Sinks, holloware.
305		18% chromium, 12% nickel. Good formability.	Eyelets, spun parts.
309		23% chromium, 14% nickel. High oxidation resistance.	Similar to 310.
310		25% chromium, 20% nickel. Very high oxidation resistance.	Furnaces, heat exchangers, metallurgical plant. Service temp. up to 1100°C.
316	58J	17% chromium, 11% nickel, 2.5% molybdenum. High corrosion resistance.	Chemical and petrochemical process plant architecture, brewery plant.
316L		Low carbon form of 316	
317		17% chromium, 11% nickel, 2.5% molybdenum plus titanium. Very high corrosion resistance.	Chemical and petrochemical process plant acetic acid distillation.
317L		Low carbon form of 317.	
321	58B + C	18% chromium, 10% nickel plus titanium.	Heating elements, aircraft parts, chemical and petrochemical process plant.
325	58BM	Free machining form of 321. Sulphur bearing. Available in bar form only	Similar to 321.
347	58F + G	18% chromium, 10% nickel plus niobium. Resistant to sensitisation and hot concentrated nitric acid.	Process plant, aircraft.
<b>Martensitic:</b>		Magnetic, hardenable, moderate corrosion resistance	
410	56A	12% chromium Free machining form of 410.	Pump and gas turbine parts, general engineering. Knife blades, valves.
416	56AM	Sulphur bearing. Available in bar form only	
420	56B	Heat resistant	
431	57	17% chromium. 21% nickel. Available in bar form only.	
<b>Ferritic:</b>		Magnetic, chromium steels. Immune to chloride, stress, corrosion, cracking.	
403		Modified form of 409 weldable in heavy section.	Structural, bulk handling chutes and hoppers, bulk railway wagons, transport, mining.
409		12% chromium plus titanium. Weldable up to 2.5mm thick.	Automotive exhaust systems.
430	60	12% chromium	Sinks, decoration, automotive trim, washing machine drums.
434	61	17% chromium, 1% molybdenum. Resistant to atmospheric and pitting corrosion.	Automotive trim-below the waist and wiper blades.